# APPENDIX G

## Phase I Environmental Site Assessment

# Phase I Environmental Site Assessment

**Proposed Solar Facility**

**11506 Shank Road**

**Clear Spring, Maryland**

**November 19, 2015**

Terracon Project No. J2157171

**Prepared for:**
Big Spring Solar, LLC
Radnor, Pennsylvania

**Prepared by:**
Terracon Consultants, Inc.
Rocky Hill, Connecticut

terracon.com

Terracon

Environmental ■ Facilities ■ Geotechnical ■ Materials

November 19, 2015

Terracon

Big Spring Solar, LLC
Three Radnor Corporate Center, Suite 300
100 Matsonford Road
Radnor, PA 19087

Attn: Mr. Thomas Anderson
P: (505) 490-9877
E: tom.anderson@communityenergyinc.com

Re: Phase I Environmental Site Assessment
Proposed Solar Facility
11506 Shank Road
Clear Spring, Maryland
Terracon Project No. J2157171

Dear Mr. Anderson:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in general accordance with Terracon proposal number PJ2150334, dated September 8, 2015.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
**Terracon Consultants, Inc.**

Frank X Kehoe
Senior Project Manager

Jeffrey S. Day, CTLEP
Environmental Department Manager

Attachments

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# EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in general accordance with our proposal number PJ2150334, and was conducted consistent with the procedures included in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Frank X. Kehoe, Environmental Professional. Robert Madore performed the site reconnaissance on September 10, 2015.

## Findings

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located on real property identified as at 11506 Shank Road, in Clear Spring, Washington County, Maryland. The site is an approximately 60-acre portion of land located within an approximately 180-acre parent parcel. The site is unimproved land and consists of farmed soy bean fields.

Historical Information

Based on a review of the historical information, the parent parcel has historically been and is currently used for agricultural activities for growing and harvesting of soy bean, wheat, hay, corn, barley, and alfalfa. Recognized Environmental Conditions (RECs) were not identified based on the historical use of the site.

Records Review

Selected federal and state environmental regulatory databases, as well as responses from state and local regulatory agencies were reviewed. The site was not identified in the regulatory databases. Database listings were not identified within the specified radii. As such, RECs were not identified.

Site Reconnaissance

The site consists of farmed soy bean fields, the perimeters of which can be navigated by truck. The fields are surrounded by either additional fields, sparse residential development or forested land. RECs were not identified during the site reconnaissance.

Adjoining Properties

The adjoining properties are primarily either developed for agricultural use as farm fields, sparsely developed for residential use, or wooded and unimproved. Indications of RECs were not observed on the adjoining properties.

## Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 at the proposed solar facility located at 11506 Shank Road (Map: 0046, Grid: 0011, Parcel: 0036) in Clear Spring, Maryland. Recognized Environmental Conditions were not identified in connection with the site.

## Recommendations

Based on the scope of services, limitations, and findings of this assessment, Terracon does not recommend additional investigation at the site at this time.

# PHASE I ENVIRONMENTAL SITE ASSESSMENT
# PROPOSED SOLAR FACILITY
# 11506 SHANK ROAD
# CLEAR SPRING, WASHINGTON COUNTY, MARYLAND

Terracon Project No. J2157171

November 19, 2015

## 1.0 INTRODUCTION

### 1.1 Site Description

| | |
|---|---|
| **Site Name** | Proposed Solar Facility |
| **Site Location/Address** | 11506 Shank Road, Clear Spring, Washington County, Maryland |
| **Land Area** | The site consists of approximately 60 acres of land located within an approximately 180-acre parent parcel. |
| **Site Improvements** | The site is unimproved land and consists of farmed soy bean fields. |

The site is located at 11506 Shank Road, in Clear Spring, Washington County, Maryland. The site is an approximately 60-acre portion of land located within an approximately 180-acre parent parcel identified on tax map 0046, grid: 0011, parcel: 0036. The site is unimproved land and consists of farmed soy bean fields.

The site location is depicted in Exhibit A-1 of Appendix A, which was reproduced from a portion of the United States Geological Survey (USGS) 7.5-minute series topographic map. A Site Diagram of the site and adjoining properties is included as Exhibit A-2 of Appendix A. Acronyms and terms used in this report are described in Appendix B.

### 1.2 Scope of Services

This Phase I ESA was performed in general accordance with our proposal number PJ2150334, dated September 8, 2015 and was conducted consistent with the procedures included in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, user-provided information, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

## 1.3 Standard of Care

This ESA was performed in general accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

## 1.4 Additional Scope Limitations, ASTM Deviations and Significant Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e., evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and

from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

## 1.5 Reliance

This ESA Report is prepared for the exclusive use and reliance of Big Spring Solar, LLC, and each of its financing partners (the "Client'), and Community Energy, Inc. and its affiliates.

Reliance on the Report is subject to all of the terms, limitations, restrictions, conditions, and caveats expressed in the Report, and the Proposal and Standard Terms and Conditions (PSTC) between the Client and Terracon. The limitation of liability defined in the PSTC is the maximum aggregate limit of Terracon's liability (and its related corporations and employees) to the Client and all other relying parties. Terracon is not responsible for allocating any amount among relying parties, or any other persons or entities to whom we may be liable. Terracon is not liable for any consequential or liquidated damages. Use or reliance by any other party is prohibited without the written authorization of the Client and Terracon Consultants, Inc. (Terracon).

Continued viability of this report is subject to ASTM E 1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E 1527-13.

## 1.6 Client Provided Information

Prior to the site visit, the client's representative, was asked to provide the following user questionnaire information as described in ASTM E 1527-13 Section 6.

**Client Questionnaire Responses**

| Client Questionnaire Item | Client Did Not Respond | Client's Response | |
|---|---|---|---|
| | | Yes | No |
| Aware of any Environmental Cleanup Liens against the site. | X | | |
| Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site. | X | | |
| Aware of any Specialized Knowledge or Experience related to the site or nearby properties. | X | | |

| Client Questionnaire Item | Client Did Not Respond | Client's Response | |
|---|---|---|---|
| | | Yes | No |
| Actual Knowledge of a Significantly Lower Purchase Price because of hazardous substances or petroleum products. | X | | |
| Commonly Known or Reasonably Ascertainable Information that is material to a release in connection with the site. | X | | |
| Obvious Indicators of Contamination at the site. | X | | |

The client did not provide the requested User's information as of the issuance date of the report, Terracon assumes the client is evaluating the questionnaire information outside the context of the Terracon's Phase I ESA scope of work and report.

## 2.0 PHYSICAL SETTING

| Physical Setting Information | | Source |
|---|---|---|
| **Topography** (Refer to Appendix A for an excerpt of the Topographic Map) | | |
| Site Elevation | Approximately 585 feet above mean sea level | USGS Topographic Map, Hedgesville, Maryland, 1997 |
| Surface Runoff/ Topographic Gradient | Downward to the south based on site observations. | |
| Closest Surface Water | Tom's Run, western portion of site. | |
| **Soil Characteristics** | | |
| Soil Type | Dryrun Gravelly Loam<br>Hagerstown silty loam | USDA Web Soil Survey accessed September 21, 2015 |
| Description | Gravelly old alluvium derived from limestone-sandstone-shale<br>Clayey residuum weathered from limestone, unspecified | |

| Physical Setting Information | | Source |
|---|---|---|
| **Geology/Hydrogeology** | | |
| Formation | Conococheague Limestone | USGS Mineral Resources On-Line Spatial Data, accessed September 21, 2015 |
| Description | Dark blue, laminated, oolitic, argillaceaous, and siliceous limestone, algal limestone, and flat-pebble conglomerate; siliceous shale partings; some sandstone and dolomite; thickness 1,600 to 1,900 feet. | |
| Estimated Depth to First Occurrence of Groundwater | Unknown, but inferred to be less than 20 feet bgs. | USGS Topographic Map, Hedgesville, Maryland, 1997 |
| *Hydrogeologic Gradient | Not known - may be inferred to be parallel to topographic gradient (primarily to the south/southwest. | |

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

# 3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify past uses for indications of RECs. Copies of selected historical documents are included in Appendix C.

## 3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10 to 15 year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn Maps are summarized below.

- Topographic map: Williamsport, Maryland, published in **1912** (1:62,500); Williamsport, Maryland, published in **1944**, (1:25,500); Clear Spring, Maryland, published in **1944**, (1:31,680); Clear Spring, Maryland, published in **1955**, (1:24,000); Clear Spring, Maryland, published in **1971**, (1:24,000); Hedgesville, Maryland, published in **1944**, (1:25,000); Hedgesville, Maryland, published in **1955** (1:24,000); Hedgesville, Maryland, published in **1971**, (1:24,000); Hedgesville, Maryland, published in **1979**, (1:24,000); Hedgesville, Maryland, published in **1997**, (1:24,000)
- Aerial photograph: EDR, **1959**, 1”=1,000’; EDR, **1960**, 1”=1,000’; EDR, **1974**, 1”=500’; EDR, **1980**, 1”=1,000’; USGS/DOQQ, **1989**, 1”=500’; EDR, **1994**,

1”=500’; EDR, **1999**, 1”=750’; EDR, **2002**, 1”=750’; USDA/NAIP, **2005**, **2007**, **2009, 2011,** 1”=500’

- Sanborn Fire Insurance Map(s): Coverage not available

**Historical Topographic Maps, Aerial Photographs and Sanborn Maps**

| Direction | Description |
|---|---|
| Site | The site has historically been unimproved land. Based on review of aerial photographs, agricultural activities (crop farming) appears to have been conducted on the site between 1959 and 2011. |
| North | A railroad passes to the north of the site. Agricultural farmland is located further to the north. |
| East | Unimproved farmland (fields) and sparse residential development and wooded areas. |
| South | Unimproved farmland (fields) and sparse wooded areas. |
| West | Unimproved farmland (grass fields). |

## 3.2 Historical City Directories

The Cole Information Services and Polk’s City Directories used in this study were made available through EDR (selected years reviewed: 1992, 1995, 1999, 2003, 2008, and 2013).

**Historical City Directories**

| Direction | Description |
|---|---|
| Site | **11506 Shank Road**<br>(1992, 1995, 1999, 2003, 2008) The site address was not listed<br>(2013) Occupant Unknown |
| North | City directories for listings to the north of the site were not provided. |
| East | **11621 Shank Road**<br>(1992, 2003, 2013) Residential Listing<br>**11626 Shank Road**<br>(2008) Appraisals, Etc., Residential Listing<br>(1999, 2003, 2013) Residential Listing. |
| South | City directories for listings to the south of the site were not provided. |
| West | City directories for listings to the west of the site were not provided. |

## 3.3 Historical Fire Insurance Maps

Historical fire insurance maps produced by the Sanborn Map Company were requested from Environmental Data Resources (EDR), a contract information services company, to evaluate

past uses and relevant characteristics of the site and surrounding properties. Based on information provided by EDR, Sanborn map coverage for the site is not available.

## 3.4 Site Ownership

Based on a review of information obtained from the Washington County assessor's records, the current site owner is recorded as Charles A Shirk Trustee, Residuary Trust of Charles E. Shirk, which has owned the property since October 1993.

## 3.5 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

## 3.6 Environmental Liens

Terracon conducted an environmental lien and activity use limitation (AUL) assessment of the parcel identified as Map 0046, grid: 0011, parcel: 0036. The records research was performed by Texas Environmental Research of Rockwall, Texas. Based on review of the reports, no environmental liens or AULS have been filed of public record for the parcel. A copy of the report is included in Appendix C.

## 3.7 Interviews Regarding Current and Historical Uses

The following individuals were interviewed regarding the current and historical use of the site.

**Interviewees**

| Interviewer | Interviewee/Phone # | Title | Date/Time |
|---|---|---|---|
| Mr. Frank Kehoe | Mildred Shirk / (301) 842-2131 | Property Owner | November 4, 2015/ 1300 |

Ms. Mildred Shirk, owner of the site was interviewed by telephone on November 4, 2015. Ms. Shirk stated that the site and parent parcel have been owned by her family since the 1960s and the site has historically been used to plant and harvest either corn, soy bean, alfalfa, hay, wheat and/or barley. Ms. Shirk stated that pesticides are not stored or mixed on site, but purchased and applied on an "as needed" basis per the manufactures instructions. Ms. Shirk had no evidence or knowledge of past or present aboveground chemical or waste storage, underground chemical, waste storage, drainage and collection systems, electrical transformers or other items of potential environmental concern.

Ms. Shirk was not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site.

### 3.8 Prior Report Review

Previous environmental reports, permits, registrations, and geotechnical reports for the site were not provided by the client to Terracon for review.

### 3.9 Historical Use Information Summary

Based on a review of the historical information, the parent parcel has historically been and is currently used for agricultural activities for growing and harvesting of soy bean, wheat, hay, corn, barley, and alfalfa. RECs were not identified based on the historical use of the site.

## 4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

### 4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

## Federal Databases

| Database | Description | Radius (miles) | Listings |
|---|---|---|---|
| CERCLIS | Comprehensive Environmental Response, Compensation, & Liability Information System | 0.5 | 0 |
| CERCLIS / NFRAP | Comprehensive Environmental Response, Compensation, & Liability Information System/No Further Remedial Action Planned | 0.5 | 0 |
| ERNS | Emergency Response Notification System | Site | 0 |
| IC / EC | Institutional Control/Engineering Control | Site | 0 |
| NPL | National Priorities List | 1 | 0 |
| NPL (Delisted) | National Priorities Delisted List | 0.5 | 0 |
| RCRA CORRACTS/ TSD | RCRA Corrective Action Activity | 1 | 0 |
| RCRA Generators | Resource Conservation and Recovery Act | Site and adjoining properties | 0 |
| RCRA Non-CORRACTS/ TSD | RCRA Non-Corrective Action Activity | 0.5 | 0 |

## State/Tribal Databases

| Database | Description | Radius (miles) | Listings |
|---|---|---|---|
| Brownfields | Eligible Brownfields Properties | 0.5 | 0 |
| IC | Institutional Controls Sites | Site | 0 |
| LUST | Leaking Underground Storage Tanks | 0.5 | 0 |
| SHWS | State Hazardous Waste Site | 0.5 | 0 |
| SWF/LF | Solid Waste Facilities/Landfills | 0.5 | 0 |
| UST | Underground Storage Tank | Site and adjoining properties | 0 |
| VCP | Voluntary Cleanup Program | 0.5 | 0 |

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report provided in Appendix D. Database listings were not identified within the specified radii.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report did not list facilities in the unmapped section.

## 4.2 Local Agency Inquiries

### 4.2.1 Board of Assessors

The Washington County Assessor's database was accessed to review environmental records or information indicating environmental concerns for the site. The parent parcel was identified as tax map 46, grid 0011 and parcel 36 and is comprised of 181.9 acres. The parent parcel is owned by Shirk Charles A. Trustee, Residuary Trust of Charles E. Shirk which has owned the property since October 1993.

### 4.2.2 Fire Department

Terracon contacted the Clear Spring Fire Department by electronic mail to request environmental records or information indicating environmental concerns for the site. At the completion of this report, a response has not been received from the Clear Spring Fire Department. Terracon will forward any pertinent information upon receipt. Considering the site has historically been undeveloped, the lack of response from the Fire Marshal is not considered a significant data gap.

### 4.2.3 Planning, Building Permit/Inspection Department

Terracon submitted a Freedom of Information Request to Washington County municipal departments, including the Health Department and Building/Permit Department to request environmental records or information indicating environmental concerns for the site. The County provided a certificate of occupancy (CO) dated 12/18/1991 for the residence on the parent parcel and a CO dated 1/29/1992 for a storage shed located on the parent parcel. The County also provided the following additional information:

- S-97-115 – Subdivision entitled Charles A. & Wendy D. Shirk – A development plat for lot previously approved by simplified plat SI-94-053.
- AP2015-025 – An appeal for a special exception to establish a solar energy generating system. The appeal request was granted at the 9/23/2015 Board of Appeals hearing with conditions.

## 4.3 Records Review Summary

Selected federal and state environmental regulatory databases, as well as responses from state and local regulatory agencies were reviewed. The site was not identified in the regulatory databases. Database listings were not identified within the specified radii. As such, RECs were not identified.

# 5.0 SITE RECONNAISSANCE

## 5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Exhibit A-2 in Appendix A is a Site Diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix E. Credentials of the individuals planning and conducting the site visit are included in Appendix F.

**General Site Information**

| **Site Reconnaissance** | | | | |
|---|---|---|---|---|
| Field Personnel | Robert Madore | | | |
| Reconnaissance Date | September , 2015 | | | |
| Weather Conditions | Partly Sunny, 70 degrees Fahrenheit | | | |
| Site Contact/Title | Ms. Mildred Shirk / Property Owner | | | |
| **Building Description** | | | | |
| **Building Identification** | **Building Use** | **Approx. Construction Date** | **Number of Stories** | **Approx. Size (ft²)** |
| NA | NA | NA | NA | NA |
| **Site Utilities** | | | | |
| Drinking Water | Unknown – Site is unimproved | | | |
| Wastewater | Unknown – Site is unimproved | | | |
| Electricity | Unknown – Site is unimproved | | | |
| Natural Gas | Unknown – Site is unimproved | | | |

## 5.2 Overview of Current Site Occupants and Operations

The site is an approximately 60-acre portion of land, consisting of farm fields located within an approximately 180-acre parent parcel. The site is unimproved land and consists of farmed soy bean fields.

## 5.3 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an “X”) are discussed in more detail following the table.

## Site Characteristics

| Category | Item or Feature | Observed or Otherwise Identified |
|---|---|---|
| Site Operations, Processes, and Equipment | Emergency generators | |
| | Elevators | |
| | Air compressors | |
| | Hydraulic lifts | |
| | Dry cleaning | |
| | Photo processing | |
| | Ventilation hoods and/or incinerators | |
| | Waste treatment systems and/or water treatment systems | |
| | Heating and/or cooling systems | |
| | Other processes or equipment | |
| Aboveground Chemical or Waste Storage | Aboveground storage tanks | |
| | Drums, barrels and/or containers ≥ 5 gallons | |
| | MSDS | |
| Underground Chemical or Waste Storage, Drainage or Collection Systems | Underground storage tanks or ancillary UST equipment | |
| | Sumps, cisterns, catch basins and/or dry wells | |
| | Grease traps | |
| | Septic tanks and/or leach fields | |
| | Oil/water separators | |
| | Pipeline markers | |
| | Interior floor drains | |
| Electrical Transformers/ PCBs | Transformers and/or capacitors | |
| | Other equipment | |

| Category | Item or Feature | Observed or Otherwise Identified |
|---|---|---|
| Releases or Potential Releases | Stressed vegetation | |
| | Stained soil | |
| | Stained pavement or similar surface | |
| | Leachate and/or waste seeps | |
| | Trash, debris and/or other waste materials | |
| | Dumping or disposal areas | |
| | Construction/demolition debris and/or dumped fill dirt | |
| | Surface water discoloration, odor, sheen, and/or free floating product | |
| | Strong, pungent or noxious odors | |
| | Exterior pipe discharges and/or other effluent discharges | |
| Other Notable Site Features | Surface water bodies | |
| | Quarries or pits | |
| | Wells | |

### 5.4 Site Reconnaissance Summary

The site consists of farmed fields. The fields are surrounded by additional fields or sparse residential development. A railroad passes to the north of the site boundary. RECs were not identified during the site reconnaissance.

## 6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

**Adjoining Properties**

| Direction | Description |
|---|---|
| North | A railroad passes to the north of the site. Further north are farm fields. |
| East | Farm fields, a residence and associated outbuildings are located to the east of the site on the parent parcel. Further east is a paved portion of Shank Road. |
| South | A dirt road passes to the south of the site. |
| West | Ashton Road passes to the west of the site. Further west are farm fields. |

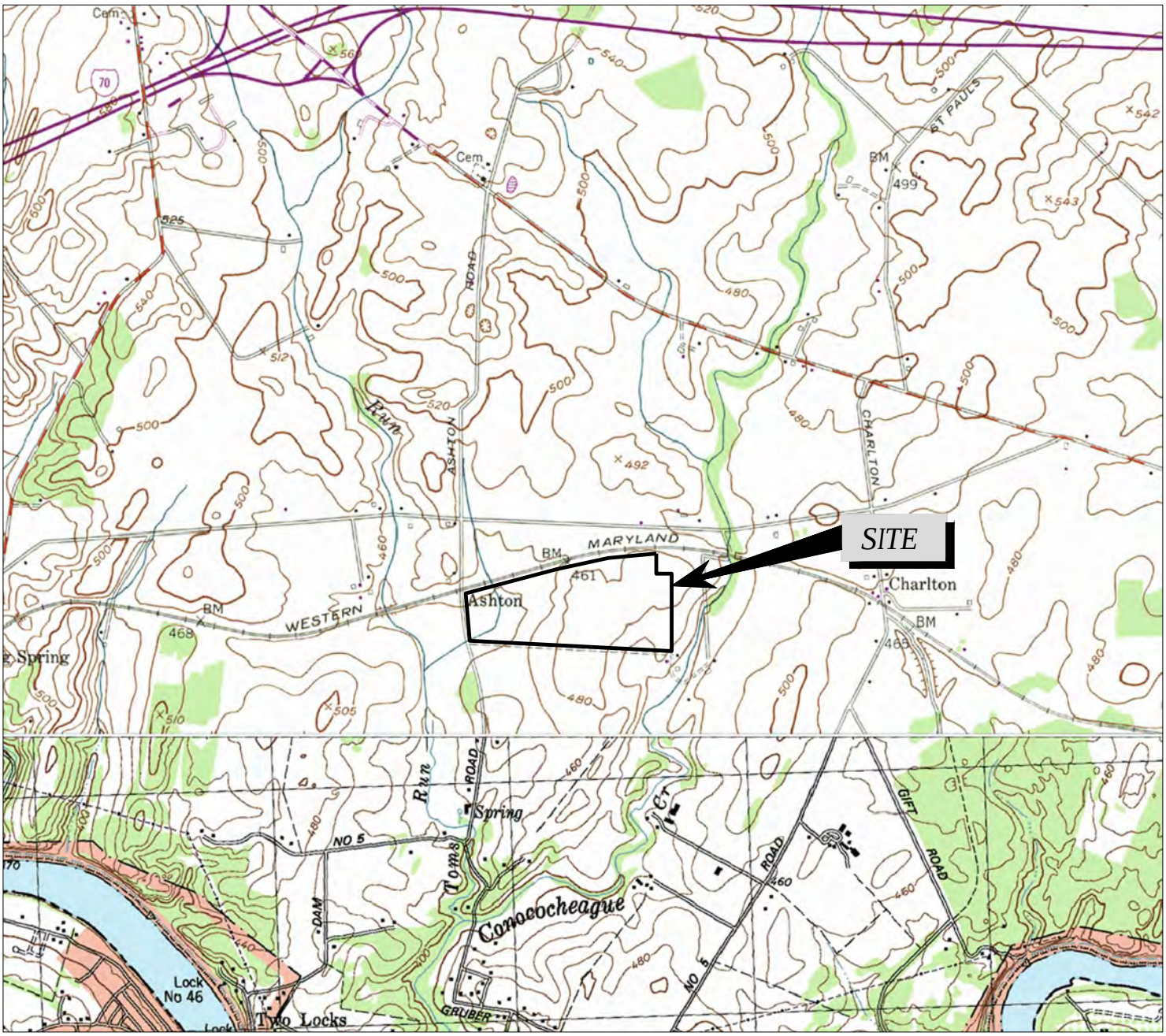
## 7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, additional services (e.g., asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

## 8.0 DECLARATION

I, Frank X. Kehoe, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

# APPENDIX A
# EXHIBIT A-1 – SITE LOCATION MAP
# EXHIBIT A-2 – SITE DIAGRAM




SCALE: 1:24 000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

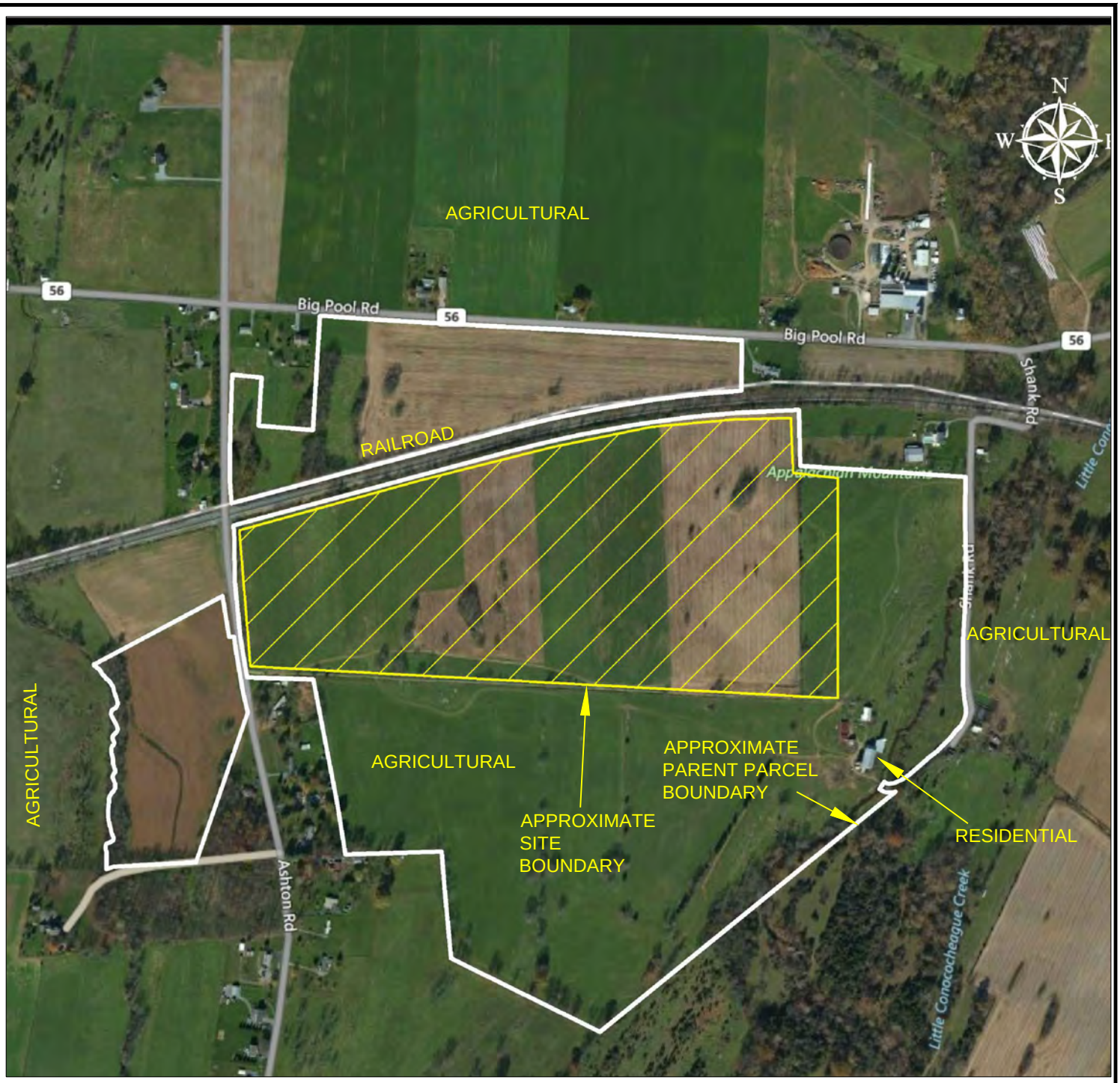
CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

N

QUADRANGLE LOCATION

SOURCE:
USGS CLEAR SPRING, MD
1971

| | | | |
|---|---|---|---|
| Project Mngr: FXK | Project No. J2157171 | Terracon | SITE LOCATION MAP |
| Drawn By: MCR | Scale: AS SHOWN | | PHASE I ENVIRONMENTAL SITE ASSESSMENT<br>PROPOSED SOLAR FACILITY<br>11506 SHANK RD<br>CLEAR SPRING, MD |
| Checked By: FXK | File No. J2157171.dwg | | EXHIBIT |
| Approved By: JSD | Date: November 2015 | 201 Hammer Mill Road Rocky Hill, CT 06067<br>PH. (860)721-1900 Fax. (860)721-1939 | A-1 |




N

NOTES:

1. THIS EXHIBIT WAS BASED ON AVAILABLE AERIAL PHOTOGRAPHY, AND TERRACON OBSERVATIONS.

2. USE OF THIS EXHIBIT WITHOUT PERMISSION FROM TERRACON IS PROHIBITED.

| | | | |
|---|---|---|---|
| Project Mngr: FXK | Project No. J2157171 | Terracon | SITE DIAGRAM |
| Drawn By: MCR | Scale: Not to scale | | PHASE I ENVIRONMENTAL SITE ASSESSMENT<br>PROPOSED SOLAR FACILITY<br>11506 SHANK RD<br>CLEAR SPRING, MD |
| Checked By: FXK | File No. J2157171.dwg | | |
| Approved By: JSD | Date: November 2015 | 201 Hammer Mill Road Rocky Hill, CT 06067<br>PH. (860)721-1900 Fax. (860)721-1939 | EXHIBIT<br>A-2 |

# APPENDIX B
# DESCRIPTION OF TERMS AND ACRONYMS

## Description of Selected General Terms and Acronyms

| *Term/Acronym* | *Description* |
|---|---|
| ACM | Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, and crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).<br><br>Regulatory agencies have generally defined ACM as a material containing greater that one (1) percent asbestos, however some states (e.g., California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.<br><br>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply. |
| AHERA | Asbestos Hazard Emergency Response Act |
| AST | Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location. |
| BGS | Below Ground Surface |
| BTEX | Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release. |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liabilities may be imposed on potentially responsible parties for cleanup-related costs. |
| CERCLIS | Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103. |
| CESQG | Conditionally exempt small quantity generators. |
| CFR | Code of Federal Regulations |

## Description of Selected General Terms and Acronyms

| *Term/Acronym* | *Description* |
|---|---|
| CREC | Controlled Recognized Environmental Condition is defined in ASTM E 1527-13 as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report." |
| DOT | U.S. Department of Transportation |
| ERNS | Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center. |
| ESA | Environmental Site Assessment |
| FRP | Fiberglass Reinforced Plastic |
| Hazardous Substance | As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). |
| Hazardous Waste | This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed." |
| HREC | Historical Recognized Environmental Condition is defined in ASTM E 1527-13 as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition." |
| ILP | Innocent Landowner/Operator Program |
| LQG | Large quantity generators. |
| LUST | Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term. |

## Description of Selected General Terms and Acronyms

| *Term/Acronym* | *Description* |
|---|---|
| MCL | Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment. |
| PCB | Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today. |
| pCi/L | Pico Curies per Liter of Air. Unit of measurement for Radon and similar radioactive materials. |
| PLM | Polarized Light Microscopy (see ACM section of the report, if included in the scope of services) |
| PST | Petroleum Storage Tank. An AST or UST that contains a petroleum product. |
| Radon | A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in Pico Curies per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor “action level” concentration for residential structures is 4.0 pCi/l. |
| RCRA | Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal (‘cradle to grave”). 42 U.S.C. 6901 et seq. |
| RCRA Generators | The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 4.1 of this report. |
| RCRA CORRACTS/TSDs | The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing “corrective action”. A “corrective action” order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility. |
| RCRA Non-CORRACTS/TSDs | The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required. |
| RCRA Violators List | RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance. |
| RCRIS | Resource Conservation and Recovery Information System, as defined in the Records Review section of this report. |
| REC | Recognized Environmental Conditions are defined by ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment. *De minimis* conditions are not recognized environmental conditions.” |
| SCL | State “CERCLIS” List (see SPL /State Priority List, below). |

## Description of Selected General Terms and Acronyms

| *Term/Acronym* | *Description* |
|---|---|
| MSDS | Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard. |
| NESHAP | National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants. |
| NFRAP | Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report. |
| NOV | Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified. |
| NPDES | National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water. |
| NPL | National Priorities List, as more particularly described under the Records Review section of this report. |
| OSHA | Occupational Safety and Health Administration or Occupational Safety and Health Act |
| PACM | Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos. |
| SPCC | Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements. |
| SPL | State Priority List. State list of confirmed sites having contamination in which the state is actively involved in cleanup activities or is actively pursuing potentially responsible parties for cleanup. Sometimes referred to as a State "CERCLIS" List. |
| SQG | Small quantity generator. |
| SWF | Solid Waste Facility |
| TPH | Total Petroleum Hydrocarbons |
| TRI | Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act. |
| TSCA | Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq. |
| USACE | United States Army Corps of Engineers |
| USC | United States Code |
| USGS | United States Geological Survey |
| USNRCS | United States Department of Agriculture-Natural Resource Conservation Service |
| UST | Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-05, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried). |
| VCP | Voluntary Cleanup Program |
| VOC | Volatile Organic Compound |

## Description of Selected General Terms and Acronyms

| *Term/Acronym* | *Description* |
|---|---|
| Wetlands | Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.<br><br>The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination. |

# APPENDIX C
# HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

Washington County
MARYLAND

DIVISION OF
ENGINEERING & CONSTRUCTION MANAGEMENT
PLAN REVIEW | PERMITTING | ENGINEERING | CONSTRUCTION

September 23, 2015

Frank Kehoe
Terracon
201 Hammer Mill Road
Rocky Hill, CT 06067

RE: Certificates of Occupancy
11506 Shank Road CL

Dear Mr. Kehoe,

The original Certificates of Occupancy were issued as follows:

| | | |
|---|---|---|
| 91-2636 | One story single-family dwelling | 12/18/1991 |
| 91-0685 | 10 ft. x 12 ft. storage shed | 01/29/1992 |

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Sandy Schulte

Sandy Schulte
Office Manager
Permitting Department

Real Property Data Search ( w2) Guide to searching the database

Search Result for WASHINGTON COUNTY

View Map | View GroundRent Redemption | View GroundRent Registration

**Account Identifier:** District - **04** Account Number - **007867**

## Owner Information

| | | | |
|---|---|---|---|
| **Owner Name:** | SHIRK CHARLES A TRUSTEE RESIDUARY TRUST OF CHARLES E SHIRK | **Use:** | AGRICULTURAL |
| | | **Principal Residence:** | NO |
| **Mailing Address:** | 13028 BIG POOL RD CLEAR SPRING MD 21722-1912 | **Deed Reference:** | /01115/ 00761 |

## Location & Structure Information

| | | | |
|---|---|---|---|
| **Premises Address:** | 11506 SHANK RD CLEAR SPRING 21722-0000 | **Legal Description:** | 181.97 ACRES 11506 SHANK RD |

| Map: | Grid: | Parcel: | Sub District: | Subdivision: | Section: | Block: | Lot: | Assessment Year: | Plat No: |
|---|---|---|---|---|---|---|---|---|---|
| 0046 | 0011 | 0036 | | 0000 | | | | 2015 | Plat Ref: |

| | | |
|---|---|---|
| **Special Tax Areas:** | **Town:** | NONE |
| | **Ad Valorem:** | |
| | **Tax Class:** | |

| Primary Structure Built | Above Grade Enclosed Area | Finished Basement Area | Property Land Area | County Use |
|---|---|---|---|---|
| 1900 | 1,372 SF | | 181.9700 AC | |

| Stories | Basement | Type | Exterior | Full/Half Bath | Garage | Last Major Renovation |
|---|---|---|---|---|---|---|
| 1 | YES | STANDARD UNIT | BRICK | 1 full | | |

## Value Information

| | Base Value | Value As of 01/01/2015 | Phase-in Assessments As of 07/01/2015 | Phase-in Assessments As of 07/01/2016 |
|---|---|---|---|---|
| **Land:** | 136,500 | 141,000 | | |
| **Improvements** | 55,900 | 55,900 | | |
| **Total:** | 192,400 | 196,900 | 193,900 | 195,400 |
| **Preferential Land:** | 73,500 | | | 73,500 |

## Transfer Information

| | | |
|---|---|---|
| **Seller:** SHIRK CHARLES E & MILDRED M | **Date:** 10/04/1993 | **Price:** $0 |
| **Type:** NON-ARMS LENGTH OTHER | **Deed1:** /01115/ 00761 | **Deed2:** |
| **Seller:** SHIRK CHARLES E | **Date:** 09/19/1990 | **Price:** $0 |
| **Type:** NON-ARMS LENGTH OTHER | **Deed1:** /00969/ 00790 | **Deed2:** |
| **Seller:** | **Date:** | **Price:** |
| **Type:** | **Deed1:** | **Deed2:** |

## Exemption Information

| Partial Exempt Assessments: | Class | 07/01/2015 | 07/01/2016 |
|---|---|---|---|
| **County:** | 000 | 0.00 | |
| **State:** | 000 | 0.00 | |
| **Municipal:** | 000 | 0.00\|0.00 | 0.00\|0.00 |

| | |
|---|---|
| **Tax Exempt:** | **Special Tax Recapture:** |
| **Exempt Class:** | AGRICULTURAL TRANSFER TAX |

## Homestead Application Information

**Homestead Application Status:** No Application

DATE: 9-21-2015

FRANK KEHOE

TERRACON CONSULTANTS INCORPORATED

201 HAMMER MILL ROAD

ROCKY HILL, CONNECTICUT 06067

J2157171

TEXAS ENVIRONMENTAL RESEARCH

126 SCEPTRE DRIVE TEL: (972) 772-4283
ROCKWALL, TEXAS 75032 FAX: (972) 772-4283

# ENVIRONMENTAL LIEN AND OTHER ACTIVITY USE LIMITATIONS (AUL) SEARCH

THE ATTACHED REPORT IS BEING PROVIDED TO APPLICANT SOLELY FOR THE PURPOSE OF FACILITATING LANDOWNER OR PURCHASE DEFENSES WHICH MAY BE AVAILABLE UNDER THE LIABILITY ACT OF 1980. AS AMENDED IT IS PROVIDED FOR THE SOLE USE AND BENEFIT OF APPLICANT AND MAY NOT BE USED OR RELIED UPON BY ANY OTHER PARTY FOR ANY REASON.

NOTE: THIS SEARCH REPRESENTS SURFACE CONVEYANCES ONLY. TOTAL LIABILITY OF TEXAS ENVIRONMENTAL RESEARCH COMPANY IS LIMITED TO THE AMOUNT PAID FOR THIS REPORT.

THIS REPORT WAS PREPARED FOR THE PURPOSE OF ASSISTING IN AN ENVIRONMENTAL HAZARD INSPECTION OF THE FOLLOWING DESCRIBED PROPERTY.

## LEGAL DESCRIPTION

Parcel: 0036, Map 0046, 11506 Shank Road, Washington County, Clear Spring, Maryland.

## CURRENT OWNER

Charles A. Shirk, Trustee.

| DATE | GRANTOR | GRANTEE | DOCUMENT TYPE |
|---|---|---|---|
| 10-4-93 | Charles A. Shirk and spouse, Mildred Shirk | Charles A. Shirk, Trustee | Warranty Deed<br>File No. 1115761 |

Prepared by Texas Environmental Research on 9-21-2015.

ENVIRONMENTAL LIEN AND AUL SEARCH

AFTER COMPLETING AN ENVIRONMENTAL LIEN AND OTHER ACTIVITY AND USE LIMITATION SEARCH A FINDING THAT NO ENVIRONMENTAL LIENS OR AUL'S HAVE BEEN FILED OF PUBLIC RECORD AND THAT IT HAS BEEN DETERMINED THAT THE PROPERTY RESEARCHED IN THIS REPORT COMPLIES WITH ASTM E 1527-13-SEC. 8.3.4.4 AND SECTION 6.2

THIS REPORT MEETS OR EXCEEDS A.S.T.M. E 1527-13.

MARYLAND HISTORICAL TRUST

# PROJECT REVIEW FORM

Request for Comments from the Maryland Historical Trust/ MDSHPO on State and Federal Undertakings

**MHT USE ONLY**
Date Received: 10/15/15 JES\DLH S PSC
Log Number: 201504442

| | | | |
|---|---|---|---|
| Project Name | Big Spring Solar LLC | County | Washington |

**Primary Contact:**

| | | | |
|---|---|---|---|
| Contact Name | Tom Anderson | Company/Agency | Community Energy, Inc. |
| Mailing Address | 100 Matsonford Road, Suite 300 | | |
| City | Radnor | State | Pennsylvania |
| Zip | 19087 | | |
| Email | Tom.Anderson@communityenergyinc.com | Phone Number | +1 (505) 490-9877 |
| Ext. | | | |

**Project Location:**

| | | | |
|---|---|---|---|
| Address | 11506 Shank Road | City/Vicinity | Clear Spring |
| Coordinates (if known): Latitude | 39.629932 | Longitude | -77.907828 |
| Waterway | N/A | | |

**Project Description:**

| List federal and state sources of funding, permits, or other assistance (e.g. Bond Bill Loan of 2013, Chapter #; HUD/ CDBG; MDE/COE permit; etc.). | Agency Type | Agency/Program/Permit Name | Project/Permit/Tracking Number (if applicable) |
|---|---|---|---|
| | State | Certificate of Public Convenience and Necessity | |
| | | | |

This project includes (check all applicable): ☒ New Construction ☐ Demolition ☐ Remodeling/Rehabilitation
☐ State or Federal Rehabilitation Tax Credits ☐ Excavation/Ground Disturbance ☐ Shoreline/Waterways/Wetlands

Other\Additional Description:

**Known Historic Properties:**

This project involves properties (check all applicable): ☐ Listed in the National Register ☐ Subject to an easement held by MHT
☐ Included in the Maryland Inventory of Historic Properties ☐ Designated historic by a local government
☐ Previously subject to archeological investigations

Property\District\Report Name: WA-V-090

Clear Spring District

**Attachments:**

All attachments are required. Incomplete submittals may result in delays or be returned without comment.

☒ Aerial photograph or USGS Quad Map section with location and boundaries of project clearly marked.
☒ Project Description, Scope of Work, Site Plan, and\or Construction Drawings.
☒ Photographs (print or digital) showing the project site including images of all buildings and structures.
☒ Description of past and present land uses in project area (wooded, mined, developed, agricultural uses, etc).

**MHT Determination:**

☐ There are **NO HISTORIC PROPERTIES** in the area of potential effect
☐ The project will have **NO EFFECT** on historic properties
☒ The project will have **NO ADVERSE EFFECT** on historic properties
☐ The project will have **NO ADVERSE EFFECT WITH CONDITIONS**
☐ The project will have **ADVERSE EFFECTS** on historic properties
☐ **MHT REQUESTS ADDITIONAL INFORMATION**

MHT Reviewer: [signature] Date: 11/9/15

2nd JES 10/16/15

**Submit printed copy of form and all attachments by mail to: Beth Cole, MHT, 100 Community Place, Crownsville, MD 21032**

Revised 6/21/2013

**Proposed Solar Facility**
11506 Shank Road
Clear Spring, MD 21722

Inquiry Number: 4410069.3
September 14, 2015

# Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

9/14/15

| **Site Name:** | **Client Name:** |
|---|---|
| Proposed Solar Facility | Terracon Consultants, Inc. |
| 11506 Shank Road | 201 Hammer Mill Road |
| Clear Spring, MD 21722 | Rocky Hill, CT 06067 |
| EDR Inquiry # 4410069.3 | Contact: Frank Kehoe |

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Terracon Consultants, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## *Certified Sanborn Results:*

| | |
|---|---|
| **Site Name:** | Proposed Solar Facility |
| **Address:** | 11506 Shank Road |
| **City, State, Zip:** | Clear Spring, MD 21722 |
| **Cross Street:** | |
| **P.O. #** | J2157171 |
| **Project:** | J2157171 |
| **Certification #** | 6EF5-45BB-B6AF |

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results
Certification # 6EF5-45BB-B6AF

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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**Proposed Solar Facility**
11506 Shank Road
Clear Spring, MD 21722

Inquiry Number: 4410069.4
September 14, 2015

# EDR Historical Topographic Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: WILLIAMSPORT<br>MAP YEAR: 1912<br><br>SERIES: 15<br>SCALE: 1:62500 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

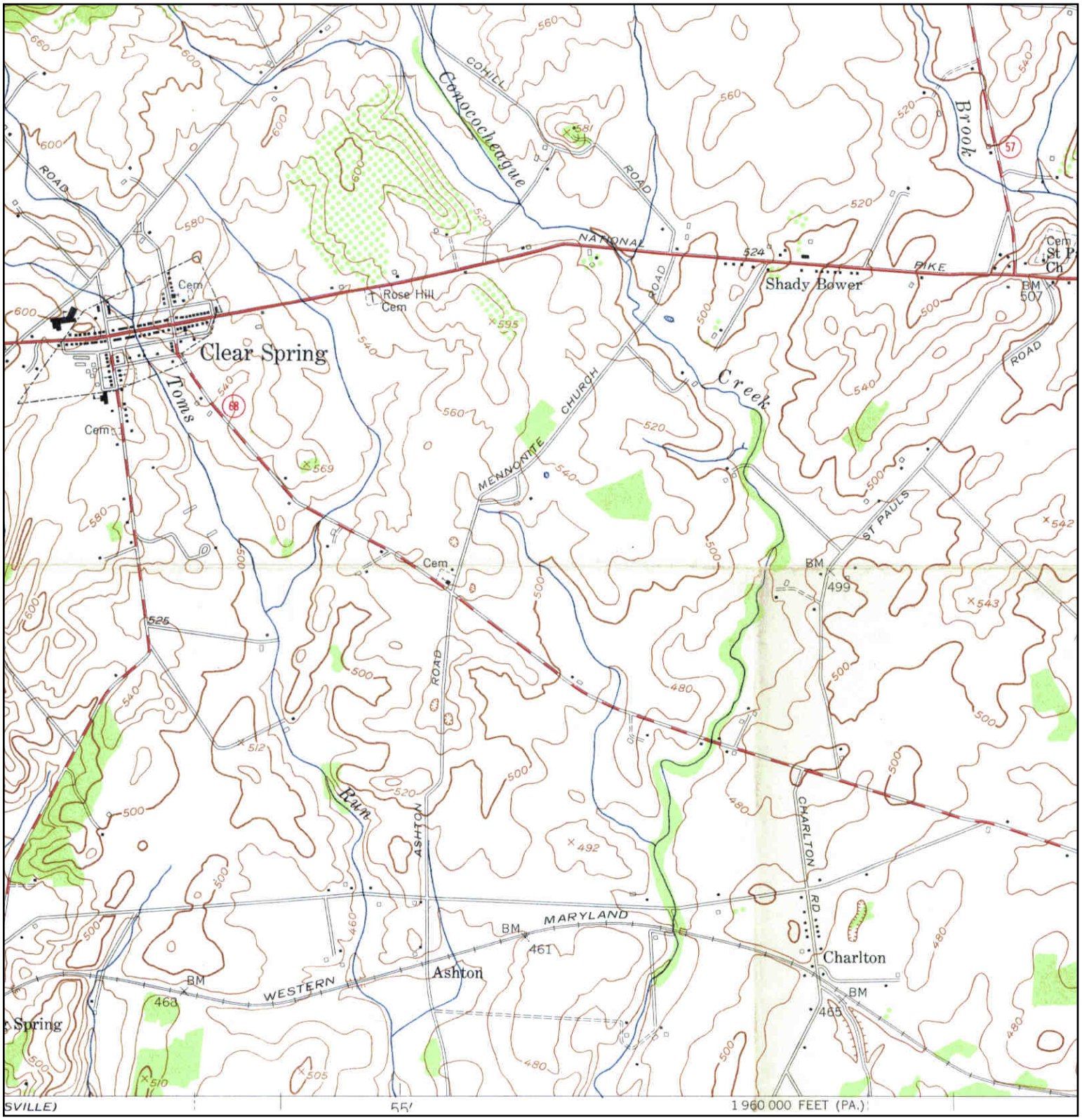
# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: WILLIAMSPORT<br>MAP YEAR: 1944<br><br>SERIES: 15<br>SCALE: 1:62500 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

# Historical Topographic Map

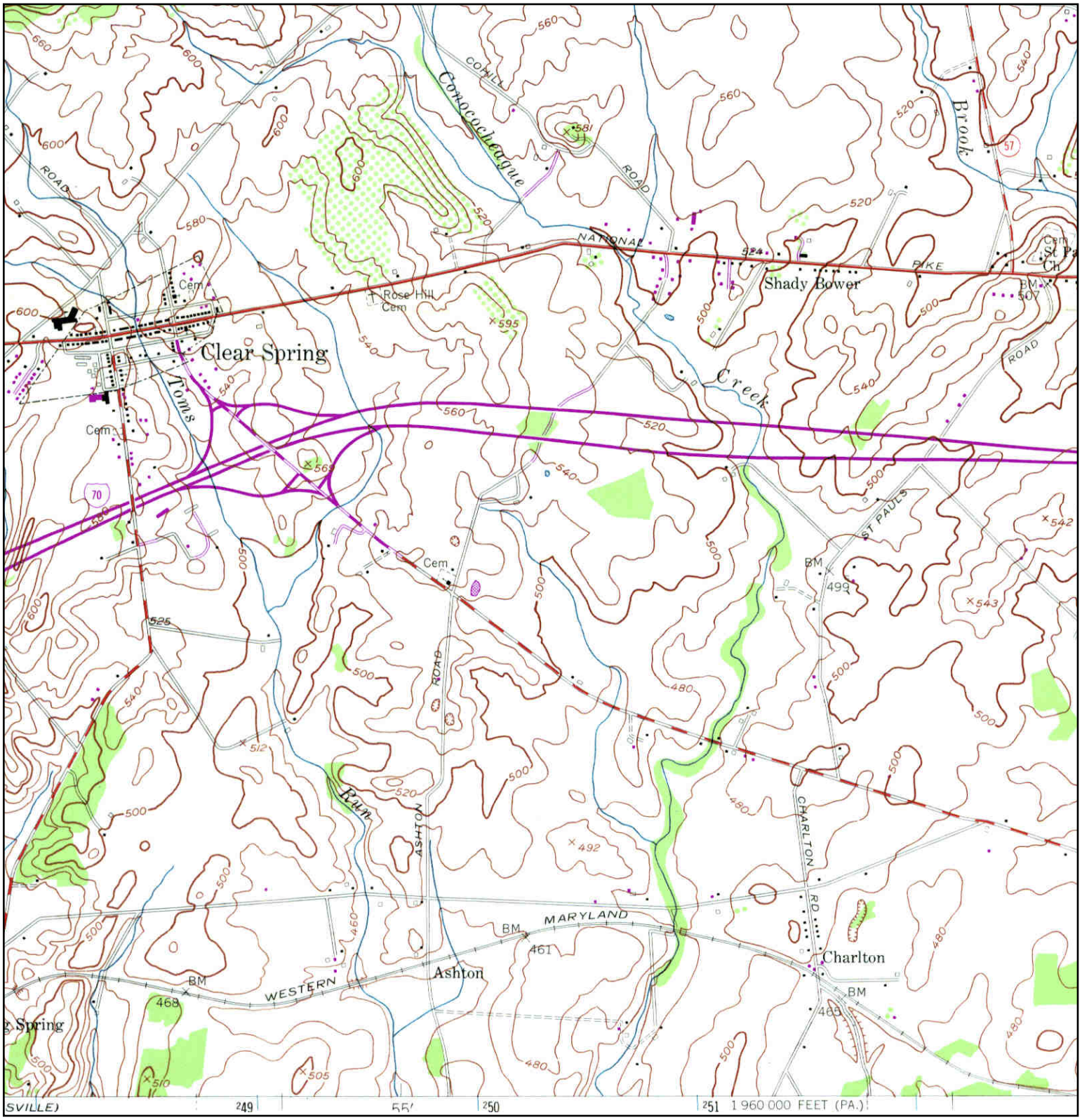
| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: CLEAR SPRING<br>MAP YEAR: 1944<br><br>SERIES: 7.5<br>SCALE: 1:31680 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

# Historical Topographic Map



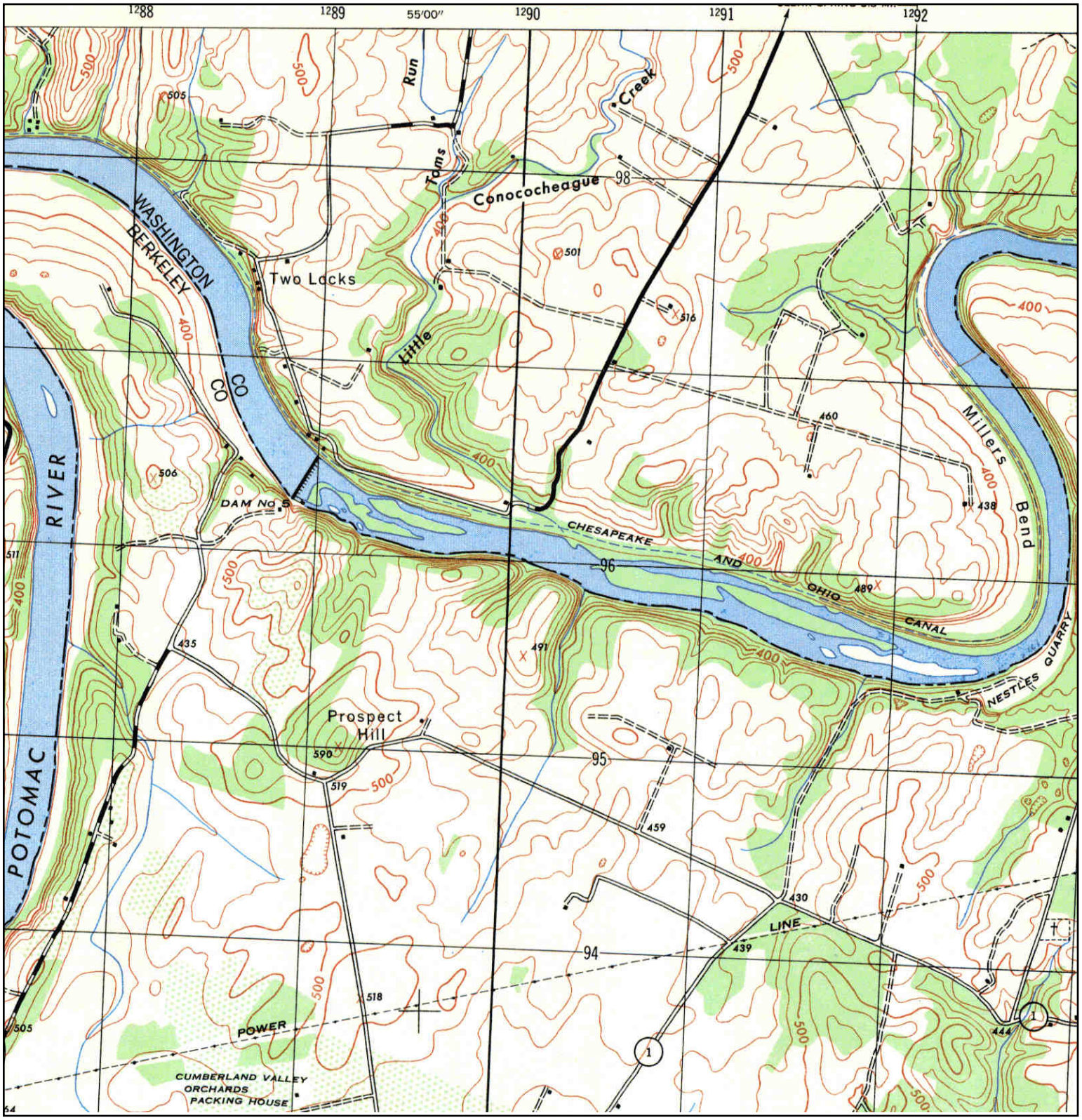

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: CLEAR SPRING<br>MAP YEAR: 1955<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

# Historical Topographic Map




| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: CLEAR SPRING<br>MAP YEAR: 1971<br>PHOTOREVISED FROM :1955<br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

# Historical Topographic Map

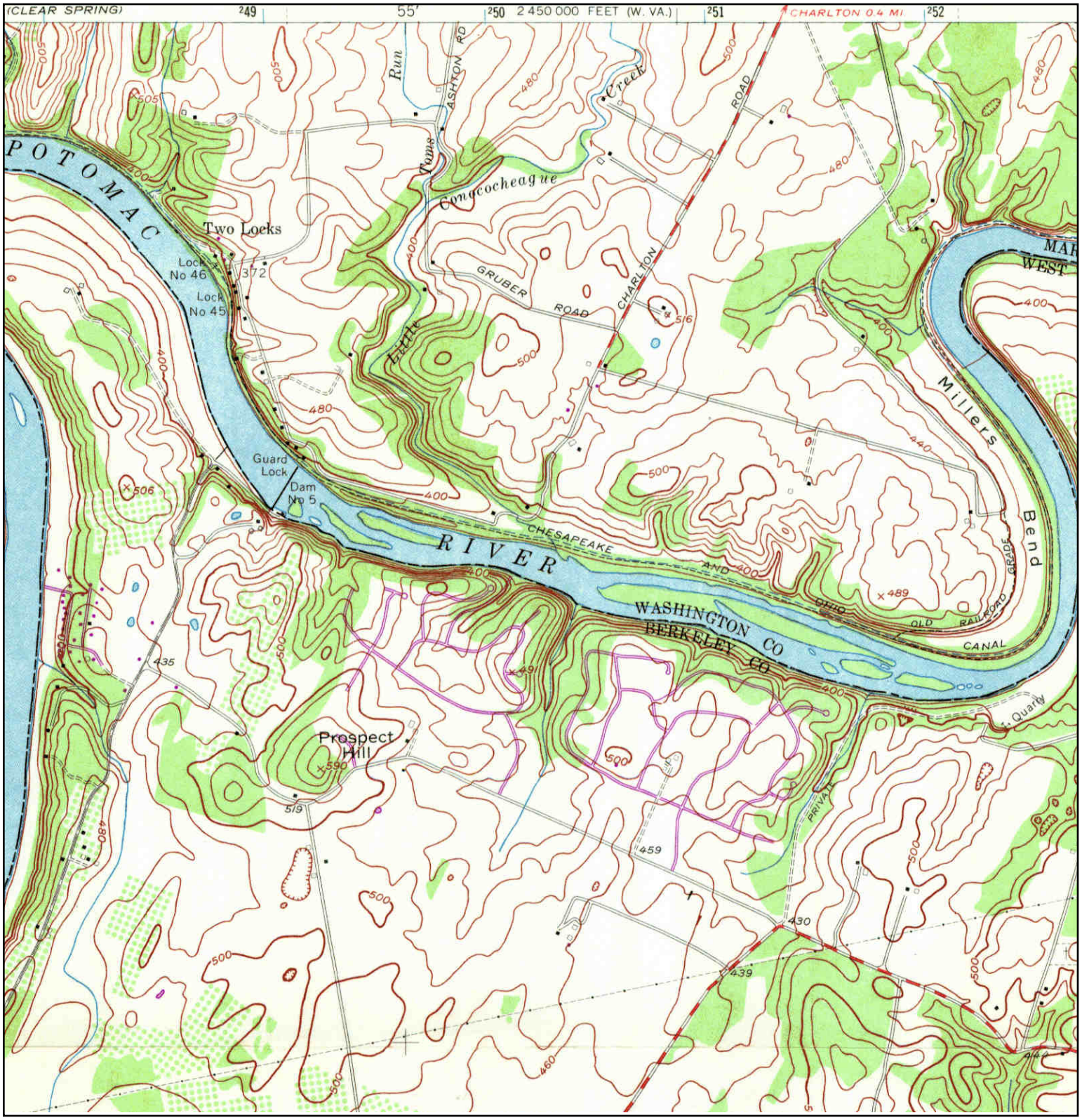



| | | | |
|---|---|---|---|
| N | ADJOINING QUAD<br>NAME: HEDGESVILLE<br>MAP YEAR: 1944<br><br>SERIES: 7.5<br>SCALE: 1:25000 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | ADJOINING QUAD<br>NAME: HEDGESVILLE<br>MAP YEAR: 1955<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

# Historical Topographic Map

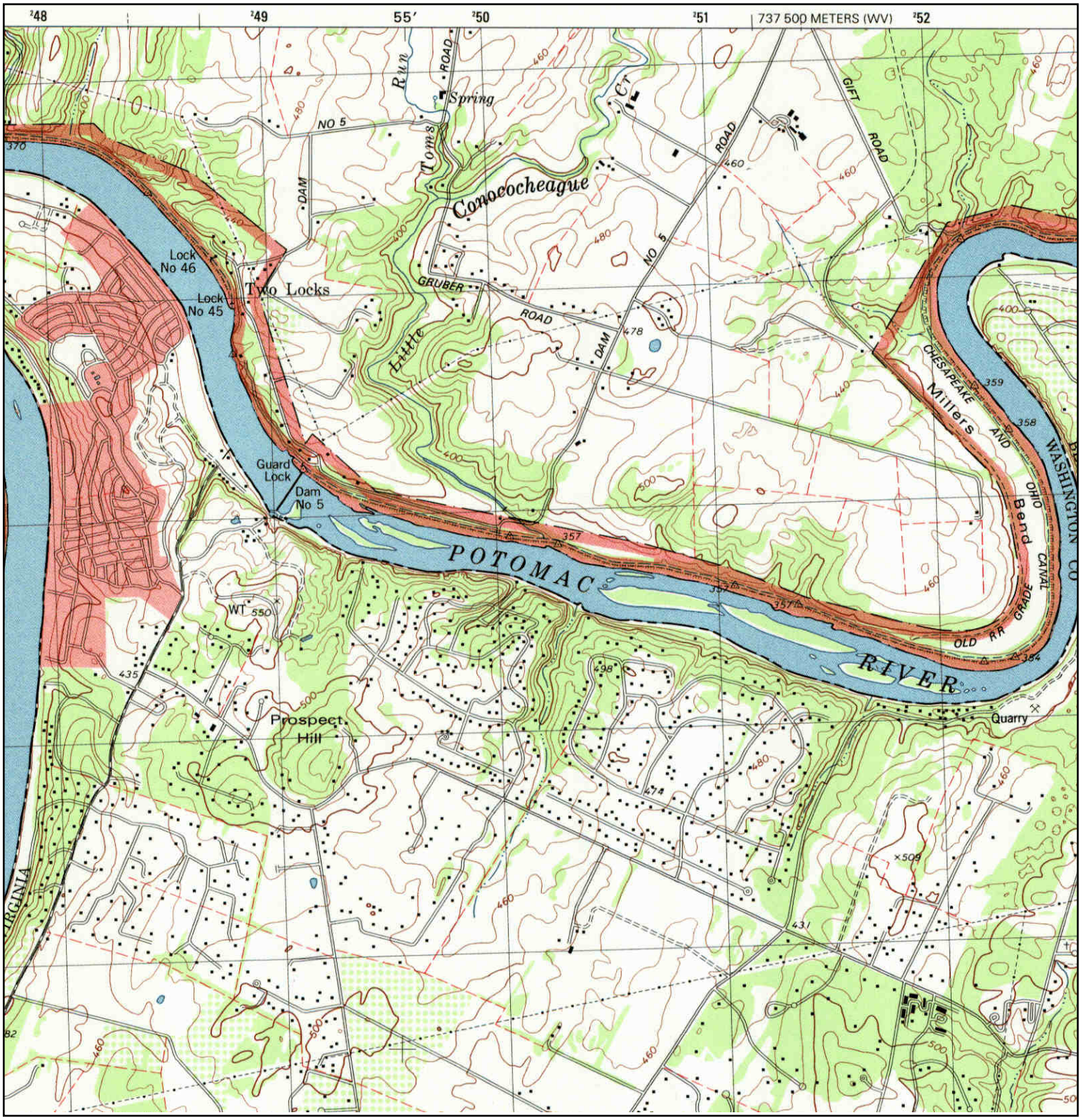



| | | | |
|---|---|---|---|
| N | ADJOINING QUAD<br>NAME: HEDGESVILLE<br>MAP YEAR: 1971<br>PHOTOREVISED FROM :1955<br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | ADJOINING QUAD<br>NAME: HEDGESVILLE<br>MAP YEAR: 1979<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

# Historical Topographic Map




| | | | |
|---|---|---|---|
| N | ADJOINING QUAD<br>NAME: HEDGESVILLE<br>MAP YEAR: 1997<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring, MD 21722<br>LAT/LONG: 39.63 / -77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY#: 4410069.4<br>RESEARCH DATE: 09/14/2015 |

**Proposed Solar Facility**
11506 Shank Road
Clear Spring, MD 21722

Inquiry Number: 4410069.9
September 15, 2015

# The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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## Date EDR Searched Historical Sources:

Aerial Photography September 15, 2015

## Target Property:

11506 Shank Road

Clear Spring, MD 21722

| ***Year*** | ***Scale*** | ***Details*** | ***Source*** |
|---|---|---|---|
| 1959 | Aerial Photograph. Scale: 1"=1000' | Flight Date: October 19, 1959 | EDR |
| 1960 | Aerial Photograph. Scale: 1"=1000' | Flight Date: June 26, 1960 | EDR |
| 1974 | Aerial Photograph. Scale: 1"=500' | Flight Date: March 14, 1974 | EDR |
| 1980 | Aerial Photograph. Scale: 1"=1000' | Flight Date: March 27, 1980 | EDR |
| 1989 | Aerial Photograph. Scale: 1"=500' | DOQQ - acquisition dates: May 28, 1989 | USGS/DOQQ |
| 1994 | Aerial Photograph. Scale: 1"=750' | Flight Date: April 15, 1994 | EDR |
| 1999 | Aerial Photograph. Scale: 1"=750' | Flight Date: March 20, 1999 | EDR |
| 2002 | Aerial Photograph. Scale: 1"=750' | Flight Date: April 24, 2002 | EDR |
| 2005 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2005 | USDA/NAIP |
| 2007 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2007 | USDA/NAIP |
| 2009 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2009 | USDA/NAIP |
| 2011 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2011 | USDA/NAIP |

INQUIRY #: 4410069.9
YEAR: 1959
= 1000'
N
EDR

INQUIRY #: 4410069.9
YEAR: 1960
= 1000'
N
EDR

INQUIRY #: 4410069.9
YEAR: 1974
= 500'
N
EDR

397601
INQUIRY #: 4410069.9
YEAR: 1980
= 1000'
N
EDR

INQUIRY #: 4410069.9
YEAR: 1989
= 500'
N
EDR

INQUIRY #: 4410069.9
YEAR: 1994
= 750'
N
EDR

INQUIRY #: 4410069.9
YEAR: 1999
= 750'
N
EDR

INQUIRY #: 4410069.9
YEAR: 2002
= 750'
N
EDR

INQUIRY #: 4410069.9
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 4410069.9
YEAR: 2007
= 500'
N
EDR

INQUIRY #: 4410069.9
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 4410069.9
YEAR: 2011
= 500'
N
EDR

**Proposed Solar Facility**
11506 Shank Road
Clear Spring, MD 21722

Inquiry Number: 4410069.5
September 15, 2015

# The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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## SECTION

**Executive Summary**

**Findings**

**City Directory Images**

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# EXECUTIVE SUMMARY

## DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

## RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| Year | Target Street | Cross Street | Source |
|---|---|---|---|
| 2013 | ☑ | ☐ | Cole Information Services |
| 2008 | ☑ | ☐ | Cole Information Services |
| 2003 | ☑ | ☐ | Cole Information Services |
| 1999 | ☑ | ☐ | Cole Information Services |
| 1995 | ☑ | ☐ | Cole Information Services |
| 1992 | ☑ | ☐ | Cole Information Services |

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# FINDINGS

## TARGET PROPERTY STREET

11506 Shank Road
Clear Spring, MD 21722

| ***Year*** | ***CD Image*** | ***Source*** |
|---|---|---|
| **SHANK RD** | | |
| 2013 | pg A1 | Cole Information Services |
| 2008 | pg A2 | Cole Information Services |
| 2003 | pg A3 | Cole Information Services |
| 1999 | pg A4 | Cole Information Services |
| 1995 | pg A5 | Cole Information Services |
| 1992 | pg A6 | Cole Information Services |

# FINDINGS

## CROSS STREETS

No Cross Streets Identified

# City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Cole Information Services |

# SHANK RD 2013

| | |
|---|---|
| 11506 | OCCUPANT UNKNOWN |
| 11621 | CINDY BOWERS |
| 11626 | EDWIN SHIRK |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Cole Information Services |

# SHANK RD 2008

11626 APPRAISALS ETC
EDWIN SHIRK

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Cole Information Services |

# SHANK RD 2003

11533 MILLARD SHANK
11621 DONNA GUESSFORD
11626 EDWIN SHIRK

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Cole Information Services |

## SHANK RD 1999

11626 EDWIN SHIRK

| Target Street | Cross Street | Source |
| --- | --- | --- |
| ✓ | - | Cole Information Services |

## SHANK RD 1995

11506 SHIRK, EDWIN P

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Cole Information Services |

# SHANK RD 1992

11506 SHIRK, EDWIN P
11621 GEHR, DONALD W

# APPENDIX D
# ENVIRONMENTAL DATABASE INFORMATION

**Proposed Solar Facility**
11506 Shank Road
Clear Spring, MD 21722

Inquiry Number: 4410069.2s
September 14, 2015

# The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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## GEOCHECK ADDENDUM

| | |
|---|---|
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| Physical Setting Source Records Searched | PSGR-1 |


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

**TARGET PROPERTY INFORMATION**

**ADDRESS**

11506 SHANK ROAD
CLEAR SPRING, MD 21722

**COORDINATES**

| | |
|---|---|
| Latitude (North): | 39.6300000 - 39˚ 37' 48.00'' |
| Longitude (West): | 77.9092000 - 77˚ 54' 33.12'' |
| Universal Tranverse Mercator: | Zone 18 |
| UTM X (Meters): | 250309.8 |
| UTM Y (Meters): | 4390528.0 |
| Elevation: | 486 ft. above sea level |

**USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY**

| | |
|---|---|
| Target Property Map: | 6049723 CLEAR SPRING, MD |
| Version Date: | 2014 |
| South Map: | 6035369 HEDGESVILLE, WV |
| Version Date: | 2014 |

**AERIAL PHOTOGRAPHY IN THIS REPORT**

| | |
|---|---|
| Portions of Photo from: | 20110714 |
| Source: | USDA |

## MAPPED SITES SUMMARY

Target Property Address:
11506 SHANK ROAD
CLEAR SPRING, MD 21722

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|

NO MAPPED SITES FOUND

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### *Federal NPL site list*

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

### *Federal Delisted NPL site list*

Delisted NPL ..... National Priority List Deletions

### *Federal CERCLIS list*

FEDERAL FACILITY ..... Federal Facility Site Information listing
CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System

### *Federal CERCLIS NFRAP site List*

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

### *Federal RCRA CORRACTS facilities list*

CORRACTS ..... Corrective Action Report

### *Federal RCRA non-CORRACTS TSD facilities list*

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

### *Federal RCRA generators list*

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

### *Federal institutional controls / engineering controls registries*

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List

# EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

***Federal ERNS list***

ERNS..... Emergency Response Notification System

***State- and tribal - equivalent CERCLIS***

SHWS..... Notice of Potential Hazardous Waste Sites

***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... Permitted Solid Waste Disposal Facilities

***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
OCPCASES..... Oil Control Program Cases
HIST LUST..... Recovery Sites

***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing
UST..... Registered Underground Storage Tank List
AST..... Permitted Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

***State and tribal institutional control / engineering control registries***

ENG CONTROLS..... Engineering Controls Site listing
INST CONTROL..... Voluntary Cleanup Program Applicants/Participants

***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Applicants/Participants

***State and tribal Brownfields sites***

BROWNFIELDS..... Eligible Brownfields Properties

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY..... Recycling Directory
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL..... National Clandestine Laboratory Register

US CDL ..... Clandestine Drug Labs

***Local Lists of Registered Storage Tanks***

HIST UST ..... Historical UST Registered Database

***Local Land Records***

LIENS 2 ..... CERCLA Lien Information

***Records of Emergency Release Reports***

HMIRS ..... Hazardous Materials Information Reporting System
SPILLS 90 ..... SPILLS 90 data from FirstSearch

***Other Ascertainable Records***

RCRA NonGen / NLR ..... RCRA - Non Generators / No Longer Regulated
FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV ..... Indian Reservations
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites
US AIRS ..... Aerometric Information Retrieval System Facility Subsystem
US MINES ..... Mines Master Index File
FINDS ..... Facility Index System/Facility Registry System
AIRS ..... Permit and Facility Information Listing
COAL ASH ..... Coal Ash Disposal Site Listing
DRYCLEANERS ..... Registered Drycleaning Facilities
Financial Assurance ..... Financial Assurance Information Listing
LEAD ..... Lead Inspection Database
LRP ..... Land Restoration Program

# EXECUTIVE SUMMARY

NPDES..... Wastewater Permit Listing
UIC..... Underground Injection Wells Database

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

**SURROUNDING SITES: SEARCH RESULTS**

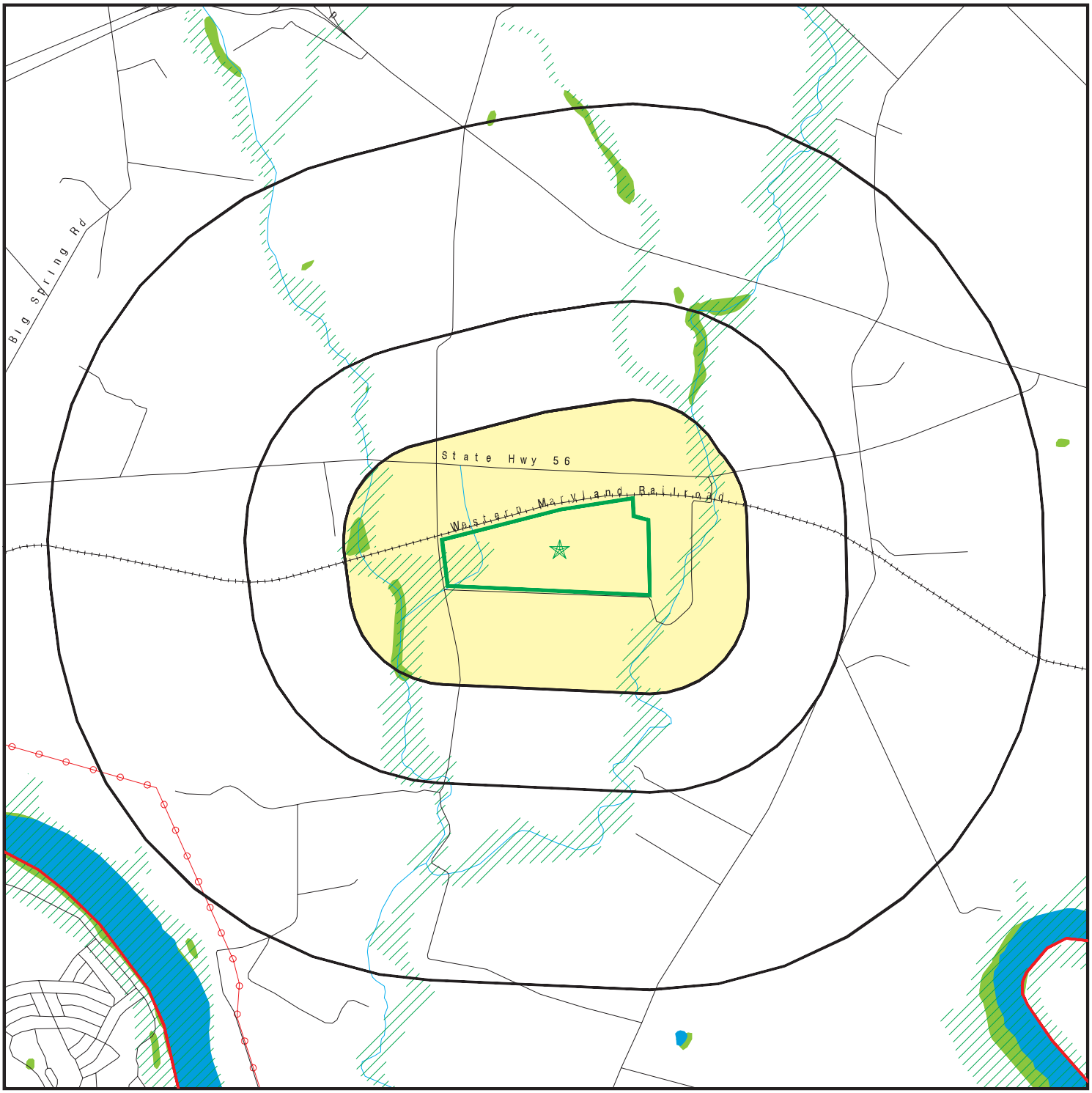
Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

# EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 4410069.2S




- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

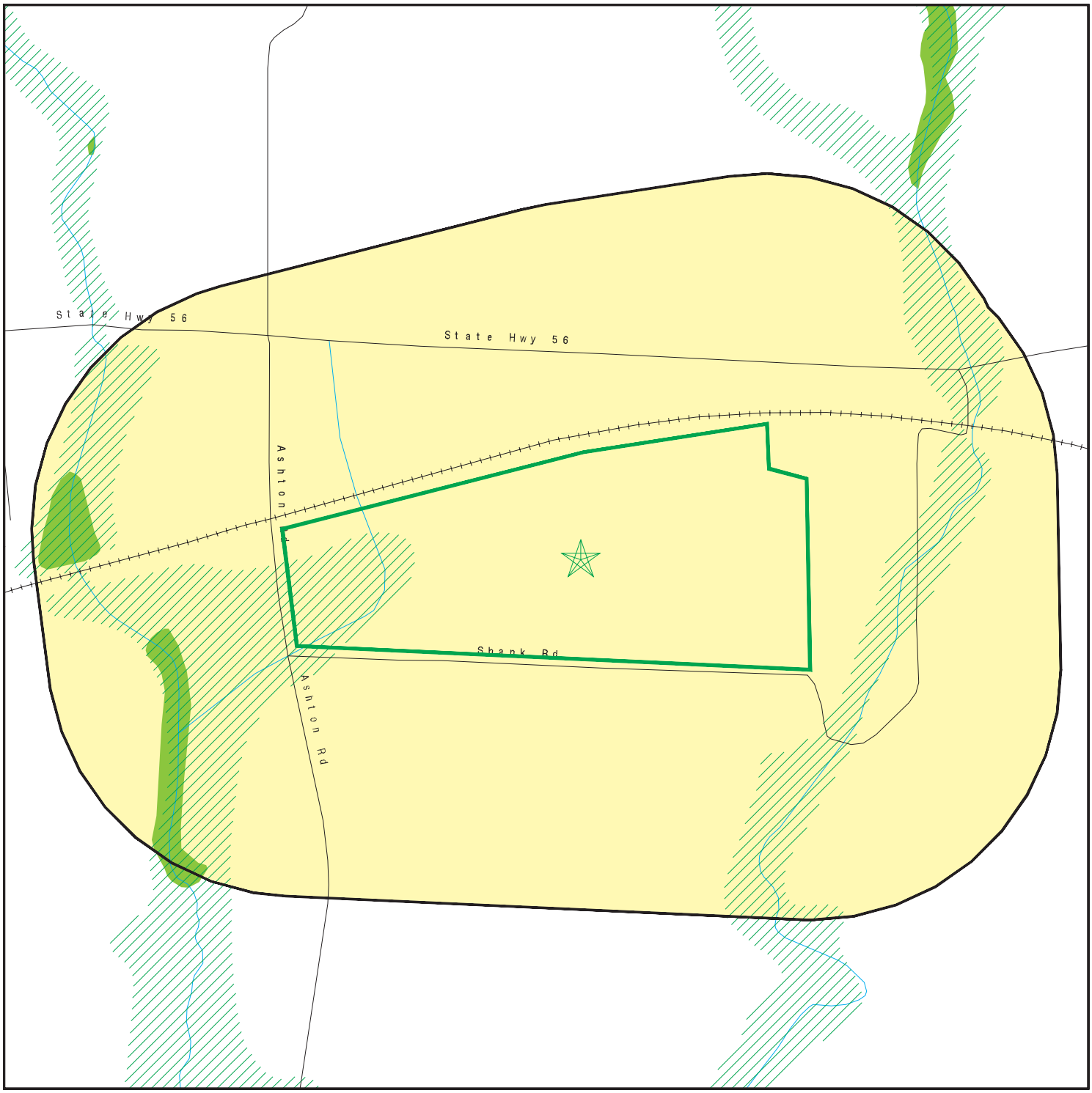
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Proposed Solar Facility | CLIENT: Terracon Consultants, Inc. |
| ADDRESS: 11506 Shank Road<br>Clear Spring MD 21722 | CONTACT: Frank Kehoe |
| LAT/LONG: 39.63 / 77.9092 | INQUIRY #: 4410069.2s |
| | DATE: September 14, 2015 12:37 pm |

Copyright © 2015 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

# DETAIL MAP - 4410069.2S




Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

100-year flood zone

500-year flood zone

National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Proposed Solar Facility | CLIENT: Terracon Consultants, Inc. |
| ADDRESS: 11506 Shank Road<br>Clear Spring MD 21722 | CONTACT: Frank Kehoe<br>INQUIRY #: 4410069.2s |
| LAT/LONG: 39.63 / 77.9092 | DATE: September 14, 2015 12:37 pm |

Copyright © 2015 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Federal NPL site list*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Federal Delisted NPL site list*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal CERCLIS list*** | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CERCLIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal CERCLIS NFRAP site List*** | | | | | | | | |
| CERC-NFRAP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA CORRACTS facilities list*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal RCRA non-CORRACTS TSD facilities list*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA generators list*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-CESQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| ***State- and tribal - equivalent CERCLIS*** | | | | | | | | |
| SHWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***State and tribal landfill and/or solid waste disposal site lists*** | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal leaking storage tank lists*** | | | | | | | | |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| OCPCASES | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HIST LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal registered storage tank lists*** | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***State and tribal institutional control / engineering control registries*** | | | | | | | | |
| ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal voluntary cleanup sites*** | | | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal Brownfields sites*** | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| ***Local Lists of Registered Storage Tanks*** | | | | | | | | |
| HIST UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Local Land Records*** | | | | | | | | |
| LIENS 2 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS 90 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| RAATS | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | TP | | NR | NR | NR | NR | NR | 0 |
| AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| LEAD | TP | | NR | NR | NR | NR | NR | 0 |
| LRP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| UIC | TP | | NR | NR | NR | NR | NR | 0 |
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR US Hist Auto Stat | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| EDR US Hist Cleaners | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| RGA HWS | TP | | NR | NR | NR | NR | NR | 0 |
| RGA LF | TP | | NR | NR | NR | NR | NR | 0 |
| RGA LUST | TP | | NR | NR | NR | NR | NR | 0 |
| - Totals -- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

| Map ID<br>Direction<br>Distance<br>Elevation | Site | Database(s) | EDR ID Number<br>EPA ID Number |
|---|---|---|---|

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| | | NO SITES FOUND | | | |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### *Federal NPL site list*

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

| | |
|---|---|
| Date of Government Version: 03/26/2015 | Source: EPA |
| Date Data Arrived at EDR: 04/08/2015 | Telephone: N/A |
| Date Made Active in Reports: 06/22/2015 | Last EDR Contact: 07/09/2015 |
| Number of Days to Update: 75 | Next Scheduled EDR Contact: 10/19/2015 |
| | Data Release Frequency: Quarterly |

***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

| | |
|---|---|
| Date of Government Version: 03/26/2015 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 04/08/2015 | Telephone: 703-603-8704 |
| Date Made Active in Reports: 06/11/2015 | Last EDR Contact: 07/10/2015 |
| Number of Days to Update: 64 | Next Scheduled EDR Contact: 10/19/2015 |
| | Data Release Frequency: Varies |

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

| | |
|---|---|
| Date of Government Version: 10/25/2013 | Source: EPA |
| Date Data Arrived at EDR: 11/11/2013 | Telephone: 703-412-9810 |
| Date Made Active in Reports: 02/13/2014 | Last EDR Contact: 05/29/2015 |
| Number of Days to Update: 94 | Next Scheduled EDR Contact: 09/07/2015 |
| | Data Release Frequency: Quarterly |

***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

| | |
|---|---|
| Date of Government Version: 10/25/2013 | Source: EPA |
| Date Data Arrived at EDR: 11/11/2013 | Telephone: 703-412-9810 |
| Date Made Active in Reports: 02/13/2014 | Last EDR Contact: 05/29/2015 |
| Number of Days to Update: 94 | Next Scheduled EDR Contact: 09/07/2015 |
| | Data Release Frequency: Quarterly |

***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

***Federal institutional controls / engineering controls registries***

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Varies

***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

***State- and tribal - equivalent CERCLIS***

SHWS: Notice of Potential Hazardous Waste Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 12/11/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 3

Source: Department of the Environment
Telephone: 410-537-3000
Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Semi-Annually

***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF: Permitted Solid Waste Disposal Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/04/2015
Date Data Arrived at EDR: 08/06/2015
Date Made Active in Reports: 09/11/2015
Number of Days to Update: 36

Source: Department of the Environment
Telephone: 410-537-3375
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Annually

***State and tribal leaking storage tank lists***

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 24

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

OCPCASES: Oil Control Program Cases
Cases monitored by the Oil Control Program. these cases can be leaking underground storage tanks and other belowground releases, leaking aboveground storage tanks, spills and inspections.

Date of Government Version: 06/03/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 08/04/2015
Number of Days to Update: 27

Source: Department of Environment
Telephone: 410-537-3433
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

HIST LUST: Recovery Sites
In 1999, the Department of the Environment stopped adding new sites to its Recovery Sites Database. Current leaking underground storage tank information maybe found in the OCPCASES database.

Date of Government Version: 03/01/1999
Date Data Arrived at EDR: 03/22/1999
Date Made Active in Reports: 04/16/1999
Number of Days to Update: 25

Source: Department of the Environment
Telephone: 410-537-3433
Last EDR Contact: 02/19/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***State and tribal registered storage tank lists***

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

UST: Registered Underground Storage Tank List
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/11/2015
Number of Days to Update: 19

Source: Department of the Environment
Telephone: 410-537-3433
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

AST: Permitted Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 01/12/2015
Date Made Active in Reports: 01/21/2015
Number of Days to Update: 9

Source: Department of The Environment
Telephone: 410-537-3000
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/06/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

***State and tribal institutional control / engineering control registries***

ENG CONTROLS: Engineering Controls Site listing

Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/10/2008
Date Data Arrived at EDR: 11/21/2008
Date Made Active in Reports: 12/17/2008
Number of Days to Update: 26

Source: Department of the Environment
Telephone: 410-537-3422
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

INST CONTROL: Voluntary Cleanup Program Applicants/Participants

Sites included in the Voluntary Cleanup Program Applicants/Participants listing that have Deed Restrictions.

Date of Government Version: 08/12/2015
Date Data Arrived at EDR: 08/17/2015
Date Made Active in Reports: 09/11/2015
Number of Days to Update: 25

Source: Department of the Environment
Telephone: 410-537-3493
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Semi-Annually

***State and tribal voluntary cleanup sites***

VCP: Voluntary Cleanup Program Applicants/Participants

The Voluntary Cleanup Program, administrated by the Dept. of the Environment, streamlines the environmental cleanup process for sites, usually industrial or commercial properties, that are contaminated, or perceived to be contaminated, by hazardous substances. Developers and lenders are provided with certain limitations on liability and participants in the program are provided certainty in the process by knowing exactly what will be required.

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 07/10/2015
Date Made Active in Reports: 08/04/2015
Number of Days to Update: 25

Source: Dept. of the Environment
Telephone: 410-537-3000
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

***State and tribal Brownfields sites***

BROWNFIELDS: Eligible Brownfields Properties

The Site Assessment Section of the State Superfund Division is responsible for conducting federally funded assessments of eligible brownfields properties. These assessments are undertaken to determine whether there are environmental cleanup requirements at these sites.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/19/2015
Number of Days to Update: 6

Source: Department of Environment
Telephone: 410-537-3000
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY: Recycling Directory
A listing of recycling facilities.

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/25/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 12

Source: Department of the Environment
Telephone: 410-631-3314
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: No Update Planned

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Quarterly

***Local Lists of Registered Storage Tanks***

Historical UST: Historical UST Registered Database

In 1997 the Department of the Environment sent out registration forms to all the owner's listed in the UST database. Once they got the registration forms back they entered the information into a new UST database. we call this database UST. Because not all owners returned their forms, we kept the old UST database and labeled it HIST UST so that we would not be missing any past UST records. This listing is no longer updated or maintained by the agency. It is current through November 1996.

Date of Government Version: 11/21/1996
Date Data Arrived at EDR: 09/10/1997
Date Made Active in Reports: 10/22/1997
Number of Days to Update: 42

Source: Department of Environment
Telephone: 410-537-3433
Last EDR Contact: 05/15/2000
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***Local Land Records***

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

***Records of Emergency Release Reports***

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 07/15/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/08/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/17/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/04/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 07/22/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 40

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 07/22/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 40

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/22/2015
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/14/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 91

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/01/2015
Next Scheduled EDR Contact: 12/14/2015
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (215) 814-5000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

AIRS: Permit and Facility Information Listing
A listing of permitted facilities and emissions information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/30/2014
Date Made Active in Reports: 01/08/2015
Number of Days to Update: 70

Source: Department of the Environment
Telephone: 410-537-3220
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
Coal combustion byproduct site locations.

Date of Government Version: 08/13/2010
Date Data Arrived at EDR: 01/05/2011
Date Made Active in Reports: 01/31/2011
Number of Days to Update: 26

Source: Department of the Environment
Telephone: 410-537-3507
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaning Facilities
A listing of registered drycleaning facilities.

Date of Government Version: 06/30/2015
Date Data Arrived at EDR: 07/15/2015
Date Made Active in Reports: 08/04/2015
Number of Days to Update: 20

Source: Department of the Environmental
Telephone: 410-537-3220
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information.

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 05/22/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 36

Source: Department of the Environment
Telephone: 410-537-3345
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for storage tank sites.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/11/2015
Number of Days to Update: 19

Source: Department of the Environment
Telephone: 410-537-3461
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Quarterly

LEAD: Lead Inspection Database
The Childhood Lead Poisoning Prevention Program data of lead inspection for the state.

Date of Government Version: 06/26/2015
Date Data Arrived at EDR: 07/13/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 30

Source: Department of Environment, Lead Poisoning Prevention Program
Telephone: 410-537-3000
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

LRP: Land Restoration Program

A listing of Land Restoration Program sites. Site types included in the database are: Voluntary Cleanup Program, National Priority List, Brownfields, Site Assessment, Formerly Used Defense Site, State Master List, Non Master List, Groundwater Investigation and Federal Facility.

Date of Government Version: 03/25/2015
Date Data Arrived at EDR: 06/10/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 27

Source: Department of the Environment
Telephone: 410-537-3000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

NPDES: Wastewater Permit Listing

A listing of wastewater permit locations.

Date of Government Version: 05/15/2015
Date Data Arrived at EDR: 06/11/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 25

Source: Department of the Environment
Telephone: 410-537-3507
Last EDR Contact: 06/08/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 05/04/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 39

Source: Department of the Environment
Telephone: 410-537-3507
Last EDR Contact: 07/27/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of the Environment in Maryland.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of the Environment
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of the Environment in Maryland.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/16/2014
Number of Days to Update: 199

Source: Department of the Environment
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of the Environment in Maryland from 1995-1999..

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of the Environment
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2015
Date Data Arrived at EDR: 08/06/2015
Date Made Active in Reports: 08/24/2015
Number of Days to Update: 18

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/20/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Telephone: 281-546-1505
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: 800-823-6277
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Providers
Source: Department of Human Resources
Telephone: 410-767-7805

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

**STREET AND ADDRESS INFORMATION**

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# GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

PROPOSED SOLAR FACILITY
11506 SHANK ROAD
CLEAR SPRING, MD 21722

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 39.63 - 39˚ 37' 48.00'' |
| Longitude (West): | 77.9092 - 77˚ 54' 33.12'' |
| Universal Tranverse Mercator: | Zone 18 |
| UTM X (Meters): | 250309.8 |
| UTM Y (Meters): | 4390528.0 |
| Elevation: | 486 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property Map: | 6049723 CLEAR SPRING, MD |
| Version Date: | 2014 |
| | |
| South Map: | 6035369 HEDGESVILLE, WV |
| Version Date: | 2014 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

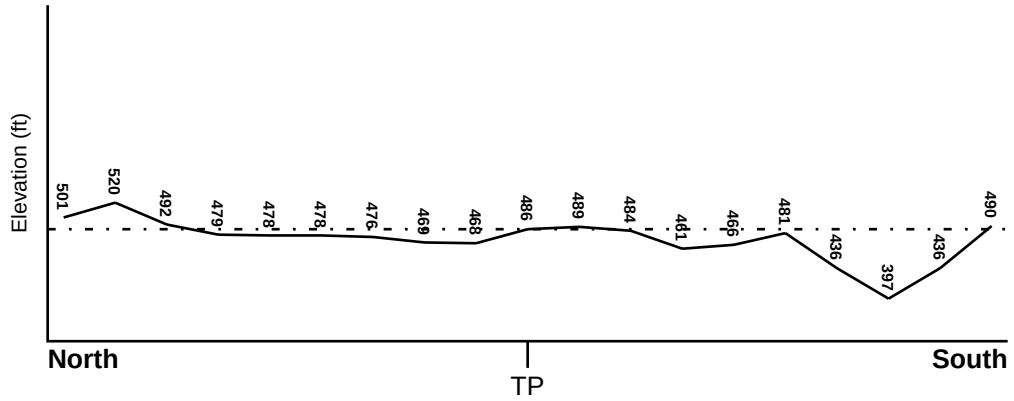
**TOPOGRAPHIC INFORMATION**

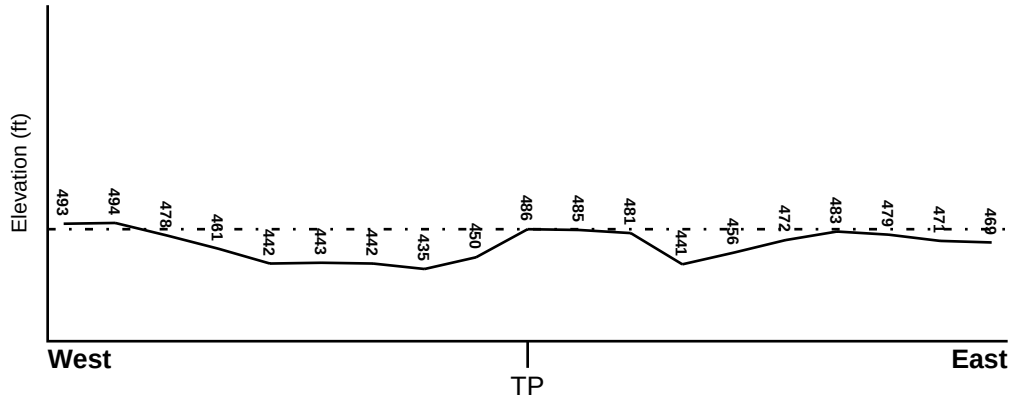
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

**TARGET PROPERTY TOPOGRAPHY**

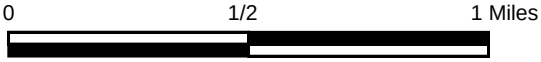
General Topographic Gradient: General West

**SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**




**Target Property Elevation: 486 ft.**




Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE**

| Target Property County | FEMA Flood Electronic Data |
|---|---|
| WASHINGTON, MD | YES - refer to the Overview Map and Detail Map |

Flood Plain Panel at Target Property: 2400700070A - FEMA Q3 Flood data

Additional Panels in search area: Not Reported

**NATIONAL WETLAND INVENTORY**

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| CLEAR SPRING | YES - refer to the Overview Map and Detail Map |

**HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

**AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| Not Reported | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

**GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

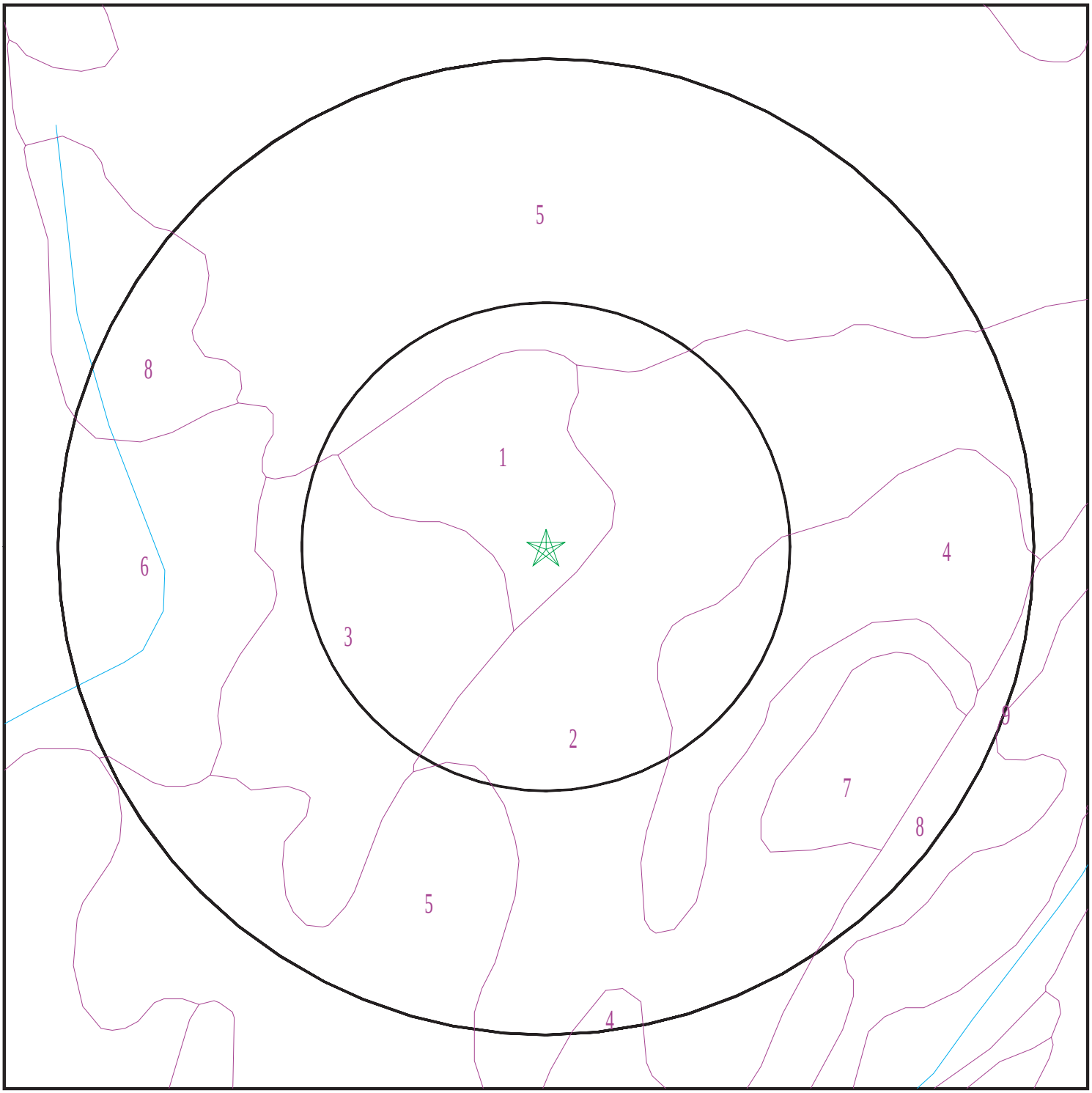
| | |
|---|---|
| Era: | Paleozoic |
| System: | Ordovician |
| Series: | Ordovician |
| Code: | O *(decoded above as Era, System & Series)* |

**GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 4410069.2s




Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

| | |
|---|---|
| SITE NAME: Proposed Solar Facility<br>ADDRESS: 11506 Shank Road<br>Clear Spring MD 21722<br>LAT/LONG: 39.63 / 77.9092 | CLIENT: Terracon Consultants, Inc.<br>CONTACT: Frank Kehoe<br>INQUIRY #: 4410069.2s<br>DATE: September 14, 2015 12:38 pm |

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# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

---

**Soil Map ID: 1**

Soil Component Name: Hagerstown

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 178 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | silt loam | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 7.3<br>Min: 5.1 |
| 2 | 9 inches | 16 inches | | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 7.3<br>Min: 4.5 |
| 3 | 16 inches | 70 inches | | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 7.3<br>Min: 5.1 |

---

**Soil Map ID: 2**

Soil Component Name: Ryder

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 186 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | channery silt loam | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 7.3<br>Min: 5.1 |
| 2 | 7 inches | 29 inches | | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 7.3<br>Min: 5.1 |
| 3 | 29 inches | 35 inches | | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 7.3<br>Min: 5.6 |
| 4 | 35 inches | 44 inches | | Not reported | Not reported | Max: 14<br>Min: 0.42 | Max: Min: |

---

**Soil Map ID: 3**

Soil Component Name: Hagerstown

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 202 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silty clay loam | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 6.5<br>Min: 4.5 |

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 2 | 7 inches | 18 inches | | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 7.3<br>Min: 4.5 |
| 3 | 18 inches | 64 inches | | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 7.3<br>Min: 5.1 |

---

**Soil Map ID: 4**

Soil Component Name: Ryder

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 186 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | channery silt loam | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 7.3<br>Min: 5.1 |
| 2 | 7 inches | 29 inches | | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 7.3<br>Min: 5.1 |
| 3 | 29 inches | 35 inches | | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 7.3<br>Min: 5.6 |
| 4 | 35 inches | 44 inches | | Not reported | Not reported | Max: 14<br>Min: 0.42 | Max: Min: |

**Soil Map ID: 5**

Soil Component Name: Murrill

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 202 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | gravelly loam | Not reported | Not reported | Max: 14 Min: 4 | Max: 7.3 Min: 5.1 |
| 2 | 9 inches | 55 inches | | Not reported | Not reported | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 3 | 55 inches | 70 inches | | Not reported | Not reported | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

**Soil Map ID: 6**

Soil Component Name: Dryrun

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 11 inches | gravelly loam | Not reported | Not reported | Max: 42 Min: 4 | Max: 7.3 Min: 5.6 |
| 2 | 11 inches | 26 inches | | Not reported | Not reported | Max: 14 Min: 4 | Max: 6 Min: 5.1 |
| 3 | 26 inches | 42 inches | | Not reported | Not reported | Max: 14 Min: 0.42 | Max: 5.5 Min: 4.5 |
| 4 | 42 inches | 74 inches | | Not reported | Not reported | Max: 141 Min: 14 | Max: 5.5 Min: 4.5 |

---

**Soil Map ID: 7**

Soil Component Name: Swanpond

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 92 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Not reported | Not reported | Max: 14 Min: 4 | Max: 7.8 Min: 5.1 |
| 2 | 7 inches | 31 inches | | Not reported | Not reported | Max: 1.4 Min: 0.42 | Max: 7.8 Min: 5.1 |
| 3 | 31 inches | 64 inches | | Not reported | Not reported | Max: 1.4 Min: 0.42 | Max: 7.8 Min: 5.1 |

**Soil Map ID: 8**

Soil Component Name: Hagerstown

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 202 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silty clay loam | Not reported | Not reported | Max: 42<br>Min: 4 | Max: 6.5<br>Min: 4.5 |
| 2 | 7 inches | 18 inches | | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 7.3<br>Min: 4.5 |
| 3 | 18 inches | 64 inches | | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 7.3<br>Min: 5.1 |

**Soil Map ID: 9**

Soil Component Name: Opequon

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 1 inches | silty clay loam | Not reported | Not reported | Max: 14<br>Min: 1.4 | Max: 7.8<br>Min: 5.1 |
| 2 | 1 inches | 18 inches | | Not reported | Not reported | Max: 14<br>Min: 1.4 | Max: 7.8<br>Min: 5.1 |
| 3 | 18 inches | 27 inches | | Not reported | Not reported | Max:<br>Min: | Max: Min: |

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

## FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 17 | USGS40000450167 | 1/4 - 1/2 Mile NE |
| C18 | USGS40000449986 | 1/4 - 1/2 Mile WSW |
| C19 | USGS40000449966 | 1/4 - 1/2 Mile WSW |
| 26 | USGS40000450181 | 1/4 - 1/2 Mile NW |
| D27 | USGS40000449885 | 1/4 - 1/2 Mile SSW |
| F28 | USGS40000449873 | 1/4 - 1/2 Mile SSW |
| F35 | USGS40000449848 | 1/4 - 1/2 Mile SSW |
| F36 | USGS40000449849 | 1/4 - 1/2 Mile SSW |
| I38 | USGS40000449822 | 1/4 - 1/2 Mile SSW |
| I39 | USGS40000449821 | 1/4 - 1/2 Mile SSW |
| I40 | USGS40000449824 | 1/4 - 1/2 Mile SSW |
| I41 | USGS40000449823 | 1/4 - 1/2 Mile SSW |
| L56 | USGS40000449784 | 1/2 - 1 Mile SSE |
| L62 | USGS40000449783 | 1/2 - 1 Mile SSE |
| 63 | USGS40000449866 | 1/2 - 1 Mile SW |
| P86 | USGS40000450195 | 1/2 - 1 Mile ENE |
| T95 | USGS40000450166 | 1/2 - 1 Mile ENE |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 98 | USGS40000450045 | 1/2 - 1 Mile East |
| T104 | USGS40000450157 | 1/2 - 1 Mile ENE |
| T106 | USGS40000450156 | 1/2 - 1 Mile ENE |
| 107 | USGS40000449728 | 1/2 - 1 Mile SSE |
| Y108 | USGS40000450379 | 1/2 - 1 Mile NNE |
| Y114 | USGS40000450383 | 1/2 - 1 Mile NNE |
| Z115 | USGS40000450144 | 1/2 - 1 Mile East |
| 116 | USGS40000450151 | 1/2 - 1 Mile ENE |
| Z117 | USGS40000450133 | 1/2 - 1 Mile East |
| 133 | USGS40000450441 | 1/2 - 1 Mile North |
| AA134 | USGS40000450216 | 1/2 - 1 Mile ENE |
| 150 | USGS40000450182 | 1/2 - 1 Mile WNW |
| AF151 | USGS40000450180 | 1/2 - 1 Mile ENE |
| AF152 | USGS40000450179 | 1/2 - 1 Mile ENE |
| 156 | USGS40000450450 | 1/2 - 1 Mile NNW |
| AI163 | USGS40000450248 | 1/2 - 1 Mile ENE |
| AI164 | USGS40000450249 | 1/2 - 1 Mile ENE |
| AF174 | USGS40000450215 | 1/2 - 1 Mile ENE |
| AF175 | USGS40000450214 | 1/2 - 1 Mile ENE |
| 178 | USGS40000449648 | 1/2 - 1 Mile SSW |
| 179 | USGS40000450325 | 1/2 - 1 Mile NE |
| AI180 | USGS40000450258 | 1/2 - 1 Mile ENE |
| AI181 | USGS40000450259 | 1/2 - 1 Mile ENE |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A1 | MD7000000397020 | 1/8 - 1/4 Mile WNW |
| A2 | MD7000000452028 | 1/8 - 1/4 Mile WNW |
| A3 | MD7000000505569 | 1/8 - 1/4 Mile WNW |
| B4 | MD7000000301493 | 1/4 - 1/2 Mile ESE |
| B5 | MD7000000301565 | 1/4 - 1/2 Mile ESE |
| B6 | MD7000000301782 | 1/4 - 1/2 Mile ESE |
| B7 | MD7000000299662 | 1/4 - 1/2 Mile ESE |
| B8 | MD7000000299804 | 1/4 - 1/2 Mile ESE |
| B9 | MD7000000301126 | 1/4 - 1/2 Mile ESE |
| B10 | MD7000000302570 | 1/4 - 1/2 Mile ESE |
| B11 | MD7000000303787 | 1/4 - 1/2 Mile ESE |
| B12 | MD7000000451501 | 1/4 - 1/2 Mile ESE |
| B13 | MD7000000476372 | 1/4 - 1/2 Mile ESE |
| B14 | MD7000000303220 | 1/4 - 1/2 Mile ESE |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| B15 | MD7000000303482 | 1/4 - 1/2 Mile ESE |
| B16 | MD7000000303509 | 1/4 - 1/2 Mile ESE |
| D20 | MD7000000304898 | 1/4 - 1/2 Mile SSW |
| D21 | MD7000000305281 | 1/4 - 1/2 Mile SSW |
| E22 | MD7000000466067 | 1/4 - 1/2 Mile WNW |
| E23 | MD7000000398032 | 1/4 - 1/2 Mile WNW |
| E24 | MD7000000530592 | 1/4 - 1/2 Mile WNW |
| E25 | MD7000000488441 | 1/4 - 1/2 Mile WNW |
| G29 | MD7000000550882 | 1/4 - 1/2 Mile SW |
| 30 | MD7000000382686 | 1/4 - 1/2 Mile ENE |
| 31 | MD7000000518904 | 1/4 - 1/2 Mile ESE |
| H32 | MD7000000305404 | 1/4 - 1/2 Mile NW |
| H33 | MD7000000523884 | 1/4 - 1/2 Mile NW |
| H34 | MD7000000523885 | 1/4 - 1/2 Mile NW |
| G37 | MD7000000306479 | 1/4 - 1/2 Mile SW |
| J42 | MD7000000397412 | 1/4 - 1/2 Mile NNW |
| J43 | MD7000000396837 | 1/4 - 1/2 Mile NNW |
| J44 | MD7000000451595 | 1/4 - 1/2 Mile NNW |
| J45 | MD7000000449815 | 1/4 - 1/2 Mile NNW |
| 46 | MD7000000396471 | 1/4 - 1/2 Mile ENE |
| 47 | MD7000000397561 | 1/2 - 1 Mile NNE |
| 48 | MD7000000304932 | 1/2 - 1 Mile SE |
| 49 | MD7000000301564 | 1/2 - 1 Mile SSE |
| 50 | MD7000000305260 | 1/2 - 1 Mile WSW |
| K51 | MD7000000396830 | 1/2 - 1 Mile NW |
| K52 | MD7000000396816 | 1/2 - 1 Mile NW |
| K53 | MD7000000449963 | 1/2 - 1 Mile NW |
| K54 | MD7000000450228 | 1/2 - 1 Mile NW |
| K55 | MD7000000450130 | 1/2 - 1 Mile NW |
| M57 | MD7000000304103 | 1/2 - 1 Mile WNW |
| M58 | MD7000000451620 | 1/2 - 1 Mile WNW |
| N59 | MD7000000303932 | 1/2 - 1 Mile SW |
| N60 | MD7000000398017 | 1/2 - 1 Mile SW |
| N61 | MD7000000450795 | 1/2 - 1 Mile SW |
| O64 | MD7000000374381 | 1/2 - 1 Mile East |
| O65 | MD7000000304028 | 1/2 - 1 Mile East |
| O66 | MD7000000382687 | 1/2 - 1 Mile East |
| O67 | MD7000000451555 | 1/2 - 1 Mile East |
| O68 | MD7000000396384 | 1/2 - 1 Mile East |
| 69 | MD7000000306975 | 1/2 - 1 Mile East |
| P70 | MD7000000396455 | 1/2 - 1 Mile ENE |
| P71 | MD7000000382922 | 1/2 - 1 Mile ENE |
| P72 | MD7000000382705 | 1/2 - 1 Mile ENE |
| P73 | MD7000000407953 | 1/2 - 1 Mile ENE |
| P74 | MD7000000396818 | 1/2 - 1 Mile ENE |
| P75 | MD7000000396573 | 1/2 - 1 Mile ENE |
| Q76 | MD7000000304030 | 1/2 - 1 Mile NNW |
| Q77 | MD7000000304029 | 1/2 - 1 Mile NNW |
| Q78 | MD7000000397566 | 1/2 - 1 Mile NNW |
| Q79 | MD7000000449761 | 1/2 - 1 Mile NNW |
| Q80 | MD7000000449649 | 1/2 - 1 Mile NNW |
| R81 | MD7000000396364 | 1/2 - 1 Mile ESE |

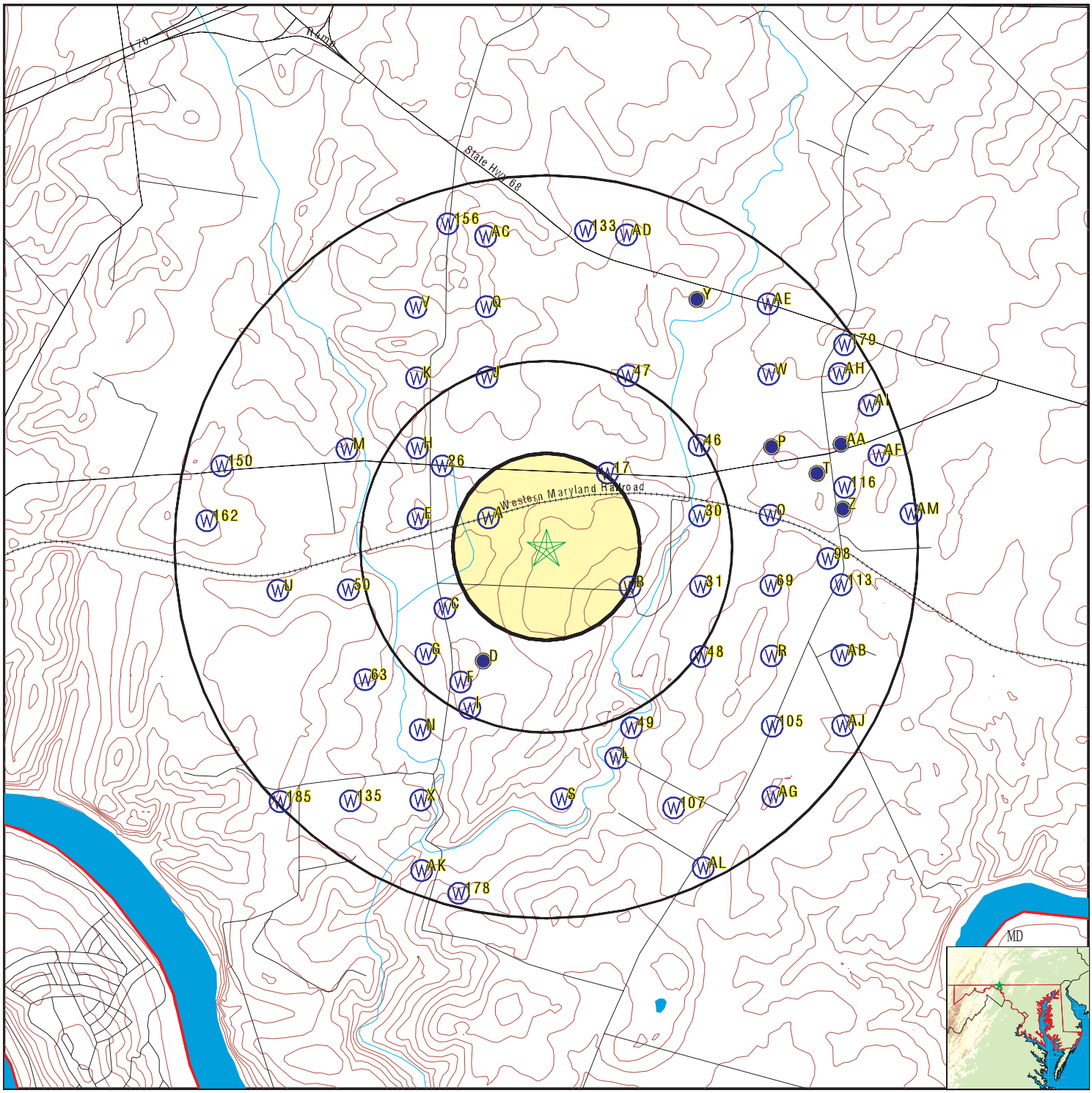
**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| R82 | MD7000000396526 | 1/2 - 1 Mile ESE |
| R83 | MD7000000397184 | 1/2 - 1 Mile ESE |
| S84 | MD7000000304936 | 1/2 - 1 Mile South |
| S85 | MD7000000304958 | 1/2 - 1 Mile South |
| T87 | MD7000000298664 | 1/2 - 1 Mile ENE |
| U88 | MD7000000300414 | 1/2 - 1 Mile West |
| U89 | MD7000000299866 | 1/2 - 1 Mile West |
| U90 | MD7000000303821 | 1/2 - 1 Mile West |
| U91 | MD7000000301015 | 1/2 - 1 Mile West |
| V92 | MD7000000304647 | 1/2 - 1 Mile NNW |
| V93 | MD7000000304827 | 1/2 - 1 Mile NNW |
| V94 | MD7000000338450 | 1/2 - 1 Mile NNW |
| W96 | MD7000000383561 | 1/2 - 1 Mile NE |
| W97 | MD7000000397387 | 1/2 - 1 Mile NE |
| X99 | MD7000000304455 | 1/2 - 1 Mile SSW |
| X100 | MD7000000452158 | 1/2 - 1 Mile SSW |
| Y101 | MD7000000397540 | 1/2 - 1 Mile NNE |
| Y102 | MD7000000501257 | 1/2 - 1 Mile NNE |
| Y103 | MD7000000508853 | 1/2 - 1 Mile NNE |
| 105 | MD7000000450209 | 1/2 - 1 Mile SE |
| Z109 | MD7000000476255 | 1/2 - 1 Mile East |
| Z110 | MD7000000383650 | 1/2 - 1 Mile East |
| Z111 | MD7000000476357 | 1/2 - 1 Mile East |
| Z112 | MD7000000476279 | 1/2 - 1 Mile East |
| 113 | MD7000000304585 | 1/2 - 1 Mile East |
| AA118 | MD7000000306358 | 1/2 - 1 Mile ENE |
| AA119 | MD7000000339566 | 1/2 - 1 Mile ENE |
| AA120 | MD7000000304760 | 1/2 - 1 Mile ENE |
| AA121 | MD7000000304816 | 1/2 - 1 Mile ENE |
| AA122 | MD7000000396498 | 1/2 - 1 Mile ENE |
| AA123 | MD7000000396596 | 1/2 - 1 Mile ENE |
| AA124 | MD7000000382960 | 1/2 - 1 Mile ENE |
| AA125 | MD7000000396397 | 1/2 - 1 Mile ENE |
| AB126 | MD7000000449715 | 1/2 - 1 Mile ESE |
| AB127 | MD7000000338630 | 1/2 - 1 Mile ESE |
| AB128 | MD7000000450113 | 1/2 - 1 Mile ESE |
| AB129 | MD7000000508303 | 1/2 - 1 Mile ESE |
| AB130 | MD7000000450208 | 1/2 - 1 Mile ESE |
| AC131 | MD7000000301563 | 1/2 - 1 Mile North |
| AC132 | MD7000000397156 | 1/2 - 1 Mile North |
| 135 | MD7000000306474 | 1/2 - 1 Mile SW |
| AD136 | MD7000000300141 | 1/2 - 1 Mile NNE |
| AD137 | MD7000000300570 | 1/2 - 1 Mile NNE |
| AD138 | MD7000000300729 | 1/2 - 1 Mile NNE |
| AD139 | MD7000000299673 | 1/2 - 1 Mile NNE |
| AD140 | MD7000000299856 | 1/2 - 1 Mile NNE |
| AD141 | MD7000000299920 | 1/2 - 1 Mile NNE |
| AD142 | MD7000000302645 | 1/2 - 1 Mile NNE |
| AD143 | MD7000000303247 | 1/2 - 1 Mile NNE |
| AD144 | MD7000000543651 | 1/2 - 1 Mile NNE |
| AD145 | MD7000000301004 | 1/2 - 1 Mile NNE |
| AD146 | MD7000000301392 | 1/2 - 1 Mile NNE |

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| AD147 | MD7000000302525 | 1/2 - 1 Mile NNE |
| AE148 | MD7000000501274 | 1/2 - 1 Mile NE |
| AE149 | MD7000000508854 | 1/2 - 1 Mile NE |
| AG153 | MD7000000306577 | 1/2 - 1 Mile SE |
| AG154 | MD7000000485323 | 1/2 - 1 Mile SE |
| AG155 | MD7000000490896 | 1/2 - 1 Mile SE |
| AH157 | MD7000000396930 | 1/2 - 1 Mile ENE |
| AH158 | MD7000000389656 | 1/2 - 1 Mile ENE |
| AH159 | MD7000000397554 | 1/2 - 1 Mile ENE |
| AH160 | MD7000000450029 | 1/2 - 1 Mile ENE |
| AH161 | MD7000000397921 | 1/2 - 1 Mile ENE |
| 162 | MD7000000304300 | 1/2 - 1 Mile West |
| AJ165 | MD7000000397907 | 1/2 - 1 Mile ESE |
| AJ166 | MD7000000396906 | 1/2 - 1 Mile ESE |
| AJ167 | MD7000000449772 | 1/2 - 1 Mile ESE |
| AJ168 | MD7000000449693 | 1/2 - 1 Mile ESE |
| AK169 | MD7000000305797 | 1/2 - 1 Mile SSW |
| AK170 | MD7000000305055 | 1/2 - 1 Mile SSW |
| AK171 | MD7000000305835 | 1/2 - 1 Mile SSW |
| AK172 | MD7000000450914 | 1/2 - 1 Mile SSW |
| AK173 | MD7000000449664 | 1/2 - 1 Mile SSW |
| AL176 | MD7000000307169 | 1/2 - 1 Mile SSE |
| AL177 | MD7000000396775 | 1/2 - 1 Mile SSE |
| AM182 | MD7000000486174 | 1/2 - 1 Mile East |
| AM183 | MD7000000304910 | 1/2 - 1 Mile East |
| AM184 | MD7000000304551 | 1/2 - 1 Mile East |
| 185 | MD7000000529069 | 1/2 - 1 Mile SW |

# PHYSICAL SETTING SOURCE MAP - 4410069.2s




County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location

| | |
|---|---|
| SITE NAME: Proposed Solar Facility | CLIENT: Terracon Consultants, Inc. |
| ADDRESS: 11506 Shank Road<br>Clear Spring MD 21722 | CONTACT: Frank Kehoe<br>INQUIRY #: 4410069.2s |
| LAT/LONG: 39.63 / 77.9092 | DATE: September 14, 2015 12:38 pm |

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| Map ID<br>Direction<br>Distance<br>Elevation | | Database | EDR ID Number |
|---|---|---|---|
| **A1**<br>**WNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | | **MD WELLS** | **MD7000000397020** |

| | | | |
|---|---|---|---|
| Object id: | 397020 | County let: | WA |
| Permit: | WA941022 | Mgs id: | Not Reported |
| B1 seq: | 8068 | B1 recd: | 19971014 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | MILDRED SHIRK |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 13215 BIG POOL RD |
| Road side: | S | Road dista: | 75 FT |
| Tax map: | 46 | Block: | 11 |
| Parcel: | 347 | | |
| N grid83: | 218465 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.631126 | | |
| Lon dec de: | -77.912109 | | |
| Issue date: | 19971015 | Special fl: | Not Reported |
| C1 seq: | 2123 | C1 recd: | 1998 3 6 |
| Completion: | 19971112 | | |
| Total dept: | 138 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 105 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 106 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 105 | | |
| Bottom scr: | 138 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 4 | | |
| Pumping ra: | 50 | | |
| Level befo: | 35 | | |
| Level duri: | 90 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397020 |

---

**A2**
**WNW**
**1/8 - 1/4 Mile**
**Lower**

**MD WELLS** **MD7000000452028**

| | | | |
|---|---|---|---|
| Object id: | 452028 | County let: | WA |
| Permit: | WA942732 | Mgs id: | Not Reported |
| B1 seq: | 4093 | B1 recd: | 2002 412 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21742 | Driller na: | JOHN A SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | E L DOWLER SUB |
| Section: | Not Reported | Lot: | 1 |
| Nearest to: | CLEARSPRING | Town dista: | 4 |
| Town direc: | S | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 40 FT |
| Tax map: | 46 | Block: | 11 |
| Parcel: | 341 | | |
| N grid83: | 218465 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.631126 | | |
| Lon dec de: | -77.912109 | | |
| Issue date: | 2002 412 | Special fl: | Not Reported |
| C1 seq: | 6579 | C1 recd: | 2002 430 |
| Completion: | 2002 416 | | |
| Total dept: | 600 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 41 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 42 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 41 | | |
| Bottom scr: | 600 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 10 | | |
| Level befo: | 56 | | |
| Level duri: | 575 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000452028 |

---

**A3**
**WNW**
**1/8 - 1/4 Mile**
**Lower**

**MD WELLS** **MD7000000505569**

| | | | |
|---|---|---|---|
| Object id: | 505569 | County let: | Not Reported |
| Permit: | WA944355 | Mgs id: | Not Reported |
| B1 seq: | 8312 | B1 recd: | 200512 4 |
| City: | CLEARSPRING | State: | MD |
| Zip: | Not Reported | Driller na: | GARY SHAFF |
| Driller id: | MSD 170 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 30 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.631126 | | |
| Lon dec de: | -77.912109 | | |
| Issue date: | 200512 6 | Special fl: | Not Reported |
| C1 seq: | 7400 | C1 recd: | 20051230 |
| Completion: | 200512 8 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 104 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 105 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 104 | | |
| Bottom scr: | 125 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 8 | | |
| Pumping ra: | 30 | | |
| Level befo: | 40 | | |
| Level duri: | 125 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000505569 |

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**B4**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000301493**

| | | | |
|---|---|---|---|
| Object id: | 301493 | County let: | WA |
| Permit: | WA731022 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1975 320 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | PINESBURG | Town dista: | 2 MI |
| Town direc: | W | Road name: | MDRT 56 |
| Road side: | N | Road dista: | 40 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 1975 318 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 197510 6 |
| Completion: | 1975 4 7 | | |
| Total dept: | 145 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 35 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 35 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 35 | | |
| Bottom scr: | 145 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 15 | | |
| Level befo: | 35 | | |
| Level duri: | 135 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301493 |

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**B5**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000301565**

| | | | |
|---|---|---|---|
| Object id: | 301565 | County let: | WA |
| Permit: | WA731094 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1975 6 4 |
| City: | BIG SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LUCAS, HERBERT G |
| Driller id: | MWD0263 | | |
| Est gpm pr: | 4 | | |
| Use for wa: | DW | | |
| Approx dep: | 175 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 12A |
| Nearest to: | CLEAR SPRING | Town dista: | 1 MI |
| Town direc: | SE | Road name: | RAM NO 5 RD |
| Road side: | W | Road dista: | 200 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 1975 6 3 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1975 7 9 |
| Completion: | 1975 620 | | |
| Total dept: | 85 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 38 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +02 | Screen typ: | HO |
| Top screen: | 38 | | |
| Bottom scr: | 85 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 15 | | |
| Level befo: | 25 | | |
| Level duri: | 65 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301565 |

---

**B6**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000301782**

| | | | |
|---|---|---|---|
| Object id: | 301782 | County let: | WA |
| Permit: | WA731311 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 197512 8 |
| City: | BIG POOL | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | PINESBURG | Town dista: | 1.50MI |
| Town direc: | NW | Road name: | MD RT 68 |
| Road side: | S | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 197512 5 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1976 319 |
| Completion: | 19751215 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 60 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 60 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 60 | | |
| Bottom scr: | 125 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 20 | | |
| Level befo: | 45 | | |
| Level duri: | 120 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301782 |

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**B7**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000299662**

| | | | |
|---|---|---|---|
| Object id: | 299662 | County let: | WA |
| Permit: | WA700136 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19691020 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-ROT | Replacemen: | S |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | WILLIAMSPORT | Town dista: | 3 MI |
| Town direc: | NW | Road name: | CHARLTON RD |
| Road side: | E | Road dista: | .2 MI |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 19691015 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 19691110 |
| Completion: | 19691021 | | |
| Total dept: | 245 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 50 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 50 | | |
| Bottom scr: | 245 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 10 | | |
| Level befo: | 60 | | |
| Level duri: | 225 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000299662 |

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**B8**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000299804**

| | | | |
|---|---|---|---|
| Object id: | 299804 | County let: | WA |
| Permit: | WA700278 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1970 5 7 |
| City: | BIG SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | SHAFF, JOHN V JR |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | 0 MI |
| Town direc: | Not Reported | Road name: | DAM 5 RD |
| Road side: | W | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 1970 5 5 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1970 9 1 |
| Completion: | 1970 615 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | Not Reported | | |
| Grout top: | 3 | | |
| Grout bott: | 15 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 17 | | |
| Casing hei: | +03 | Screen typ: | HO |
| Top screen: | 17 | | |
| Bottom scr: | 125 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 6 | | |
| Level befo: | 22 | | |
| Level duri: | 71 | | |
| Test pump : | O | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000299804 |

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**B9**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000301126**

| | | | |
|---|---|---|---|
| Object id: | 301126 | County let: | WA |
| Permit: | WA730654 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1974 426 |
| City: | BIG SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | SHAFF, JOHN V JR |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARETON | Town dista: | 1 MI |
| Town direc: | S | Road name: | DAM NO 5 RD |
| Road side: | E | Road dista: | 30 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 1974 425 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1974 7 9 |
| Completion: | 1974 6 8 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +02 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 125 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 10 | | |
| Level befo: | 28 | | |
| Level duri: | 73 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301126 |

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**B10**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000302570**

| | | | |
|---|---|---|---|
| Object id: | 302570 | County let: | WA |
| Permit: | WA732099 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19771017 |
| City: | BIG SPRINGS | State: | MD |
| Zip: | Not Reported | Driller na: | LUCAS, HERBERT G |
| Driller id: | MWD0263 | | |
| Est gpm pr: | 4 | | |
| Use for wa: | DW | | |
| Approx dep: | 100 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | BIG SPRINGS | Town dista: | 3 MI |
| Town direc: | E | Road name: | RT 56 |
| Road side: | S | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 19771013 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 19771215 |
| Completion: | 19771122 | | |
| Total dept: | 100 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 20 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 100 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 12 | | |
| Level befo: | 30 | | |
| Level duri: | 80 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000302570 |

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**B11**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS MD7000000303787**

| | | | |
|---|---|---|---|
| Object id: | 303787 | County let: | WA |
| Permit: | WA733316 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1980 815 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | Not Reported | Driller na: | WOODWARD, DENIS H |
| Driller id: | MWD0258 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 4 MI |
| Town direc: | SE | Road name: | DAM NO 5 |
| Road side: | W | Road dista: | 175 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 1980 723 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 198012 8 |
| Completion: | 1980 918 | | |
| Total dept: | 500 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 20 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 500 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 4 | | |
| Level befo: | 25 | | |
| Level duri: | 500 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | S | | |
| Capacity: | 5 | | |
| Pump hp: | .75 | | |
| Column len: | 475 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000303787 |

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**B12**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000451501**

| | | | |
|---|---|---|---|
| Object id: | 451501 | County let: | WA |
| Permit: | WA943018 | Mgs id: | Not Reported |
| B1 seq: | 3221 | B1 recd: | 2002 9 9 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | Not Reported | Driller na: | JOHN A SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | S |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | SHANK RD |
| Road side: | S | Road dista: | 250 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 2002 913 | Special fl: | Not Reported |
| C1 seq: | 9999 | C1 recd: | 0 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | Not Reported | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | C | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000451501 |

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**B13**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000476372**

| | | | |
|---|---|---|---|
| Object id: | 476372 | County let: | Not Reported |
| Permit: | WA943270 | Mgs id: | Not Reported |
| B1 seq: | 7686 | B1 recd: | 2003 430 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | Not Reported | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | Y |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 11533 SHANK RD |
| Road side: | E | Road dista: | 150 FT |
| Tax map: | 46 | Block: | 12 |
| Parcel: | 34 | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 2003 5 9 | Special fl: | Not Reported |
| C1 seq: | 0903 | C1 recd: | 2003 729 |
| Completion: | 2003 723 | | |
| Total dept: | 856 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 39 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 39 | | |
| Bottom scr: | 856 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 3 | | |
| Level befo: | 50 | | |
| Level duri: | 600 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000476372 |

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**B14**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000303220**

| | | | |
|---|---|---|---|
| Object id: | 303220 | County let: | WA |
| Permit: | WA732750 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1979 417 |
| City: | BIG SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | WOODWARD, DENIS H |
| Driller id: | MWD0258 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RICHARD CLOPPER |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | BIG SPRING | Town dista: | 3 MI |
| Town direc: | N | Road name: | ST PAULS RD |
| Road side: | W | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 1979 412 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 0 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | +00 | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | C | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000303220 |

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**B15**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000303482**

| | | | |
|---|---|---|---|
| Object id: | 303482 | County let: | WA |
| Permit: | WA733012 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19791123 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21712 | Driller na: | WOODWARD, DENIS H |
| Driller id: | MWD0258 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RICHARD CLOPPER |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | BIG SPRING | Town dista: | 3 MI |
| Town direc: | N | Road name: | ST PAULS RD |
| Road side: | Not Reported | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 19791120 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 0 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | +00 | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000303482 |

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**B16**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000303509**

| | | | |
|---|---|---|---|
| Object id: | 303509 | County let: | WA |
| Permit: | WA733039 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19791226 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | 21795 | Driller na: | SHAFF, JOHN V JR |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | MARSHALL C KRETZER |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 MI |
| Town direc: | SE | Road name: | RT 68 |
| Road side: | N | Road dista: | 300 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.628435 | | |
| Lon dec de: | -77.904974 | | |
| Issue date: | 19791217 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1980 121 |
| Completion: | 1980 117 | | |
| Total dept: | 75 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 52 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 55 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 55 | | |
| Bottom scr: | 75 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 18 | | |
| Level befo: | 26 | | |
| Level duri: | 33 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000303509 |

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**17**
**NE**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000450167**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393758077542301 | | |
| Monloc name: | WA Bg 103 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6328736 |
| Longitude: | -77.9061087 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 510.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19801006 | Welldepth: | 200 |
| Welldepth units: | ft | Wellholedepth: | 200 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1980-10-06 | 50.00 | |

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**C18**
**WSW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000449986**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393740077545201 | | |
| Monloc name: | WA Bg 132 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6278737 |
| Longitude: | -77.9141644 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 445. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19800605 | Welldepth: | 225 |
| Welldepth units: | ft | Wellholedepth: | 225 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1980-06-05 | 50 | |

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**C19**
**WSW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000449966**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393738077545301 | | |
| Monloc name: | WA Bg 133 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6273181 |
| Longitude: | -77.9144422 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 445. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19810521 | Welldepth: | 300 |
| Welldepth units: | ft | Wellholedepth: | 300 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-05-21 | 30 | |

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**D20**
**SSW**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000304898**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Object id: | 304898 | County let: | WA |
| Permit: | WA810928 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19841213 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21722 | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | 1.2 MI |
| Town direc: | SW | Road name: | ASHTON |
| Road side: | W | Road dista: | 600 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217855 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.625636 | | |
| Lon dec de: | -77.912038 | | |
| Issue date: | 19841213 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1985 125 |
| Completion: | 19841214 | | |
| Total dept: | 105 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 105 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 35 | | |
| Level befo: | 42 | | |
| Level duri: | 42 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304898 |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **D21**<br>**SSW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **MD WELLS** | **MD7000000305281** |

| | | | |
|---|---|---|---|
| Object id: | 305281 | County let: | WA |
| Permit: | WA811311 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1986 326 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | .9 MI |
| Town direc: | SW | Road name: | ASHTON |
| Road side: | E | Road dista: | 200 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217855 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.625636 | | |
| Lon dec de: | -77.912038 | | |
| Issue date: | 1986 327 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1986 5 8 |
| Completion: | 1986 4 4 | | |
| Total dept: | 355 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 44 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 45 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 45 | | |
| Bottom scr: | 355 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 20 | | |
| Level befo: | 42 | | |
| Level duri: | 50 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | S | | |
| Capacity: | 12 | | |
| Pump hp: | .75 | | |
| Column len: | 175 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000305281 |

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**E22**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000466067**

| | | | |
|---|---|---|---|
| Object id: | 466067 | County let: | WA |
| Permit: | WA943167 | Mgs id: | Not Reported |
| B1 seq: | 7616 | B1 recd: | 200210 7 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | I | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | Y |
| Wapid: | WA2003G002 | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | DAM 5 & RT 56 |
| Road side: | W | Road dista: | 175 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.631098 | | |
| Lon dec de: | -77.915659 | | |
| Issue date: | 20021023 | Special fl: | Not Reported |
| C1 seq: | 7987 | C1 recd: | 2003 310 |
| Completion: | 2003 3 4 | | |
| Total dept: | 820 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 154 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 155 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 154 | | |
| Bottom scr: | 820 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 6 | | |
| Level befo: | 60 | | |
| Level duri: | 700 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000466067 |

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**E23**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000398032**

| | | | |
|---|---|---|---|
| Object id: | 398032 | County let: | WA |
| Permit: | WA941372 | Mgs id: | Not Reported |
| B1 seq: | 9947 | B1 recd: | 1998 930 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | LEO R HOLLAND JR |
| Driller id: | MSD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | S |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | DAM 5 |
| Road side: | E | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.631098 | | |
| Lon dec de: | -77.915659 | | |
| Issue date: | 199810 1 | Special fl: | Not Reported |
| C1 seq: | 3441 | C1 recd: | 19981013 |
| Completion: | 1998 929 | | |
| Total dept: | 405 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 100 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 100 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 100 | | |
| Bottom scr: | 405 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 5 | | |
| Level befo: | 50 | | |
| Level duri: | 405 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000398032 |

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**E24**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000530592**

| | | | |
|---|---|---|---|
| Object id: | 530592 | County let: | WA |
| Permit: | WA950280 | Mgs id: | Not Reported |
| B1 seq: | 5694 | B1 recd: | 20081229 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | GARY SHAFF |
| Driller id: | MSD 170 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 11714 ASHTON RD |
| Road side: | W | Road dista: | 250 FT |
| Tax map: | 46 | Block: | Not Reported |
| Parcel: | 380 | | |
| N grid83: | 218465 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.631098 | | |
| Lon dec de: | -77.915659 | | |
| Issue date: | 20081229 | Special fl: | Not Reported |
| C1 seq: | 5195 | C1 recd: | 2009 2 6 |
| Completion: | 20081230 | | |
| Total dept: | 350 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 83 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 84 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 83 | | |
| Bottom scr: | 350 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 15 | | |
| Level befo: | 62 | | |
| Level duri: | 350 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000530592 |

---

**E25**
**WNW**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000488441**

| | | | |
|---|---|---|---|
| Object id: | 488441 | County let: | WA |
| Permit: | WA943990 | Mgs id: | Not Reported |
| B1 seq: | 6978 | B1 recd: | 20041025 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | GARY SHAFF |
| Driller id: | MSD 170 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | ASHTON RD |
| Road side: | N | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.631098 | | |
| Lon dec de: | -77.915659 | | |
| Issue date: | 20041027 | Special fl: | Not Reported |
| C1 seq: | 0313 | C1 recd: | 20041116 |
| Completion: | 20041027 | | |
| Total dept: | 650 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 650 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 20 | | |
| Level befo: | 20 | | |
| Level duri: | 650 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000488441 |

---

**26**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000450181**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393759077545301 | | |
| Monloc name: | WA Bg 104 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6331513 |
| Longitude: | -77.9144422 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 470.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19811118 | Welldepth: | 320 |
| Welldepth units: | ft | Wellholedepth: | 320 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-11-18 | 60.00 | |

---

**D27**
**SSW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000449885**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393731077544801 | | |
| Monloc name: | WA Bg 139 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6253737 |
| Longitude: | -77.9130532 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 470. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19860404 | Welldepth: | 355 |
| Welldepth units: | ft | Wellholedepth: | 355 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1986-04-04 | 42 | |

---

**F28**
**SSW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000449873**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393730077544901 | | |
| Monloc name: | WA Bg 117 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6250959 |
| Longitude: | -77.913331 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 465. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19831031 | Welldepth: | 360 |
| Welldepth units: | ft | Wellholedepth: | 360 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1983-10-31 | 65 | |

---

**G29**
**SW**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000550882**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Object id: | 550882 | County let: | Not Reported |
| Permit: | WA950894 | Mgs id: | Not Reported |
| B1 seq: | 4493 | B1 recd: | 20131121 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | ROBBIE HILL |
| Driller id: | MSD 209 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | Not Reported |
| Town direc: | Not Reported | Road name: | 11410 ASHTON RD |
| Road side: | N | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 0 | | |
| E grid83: | 0 | | |
| Lat dec de: | 39.626043 | | |
| Lon dec de: | -77.914943 | | |
| Issue date: | 20131121 | Special fl: | Not Reported |
| C1 seq: | 25118 | C1 recd: | 2014 4 4 |
| Completion: | 2014 318 | | |
| Total dept: | 185 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 42 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 42 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 42 | | |
| Bottom scr: | 185 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 100 | | |
| Level befo: | 40 | | |
| Level duri: | 185 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000550882 |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **30**<br>**ENE**<br>**1/4 - 1/2 Mile**<br>**Lower** | **MD WELLS** | **MD7000000382686** |

| | | | |
|---|---|---|---|
| Object id: | 382686 | County let: | WA |
| Permit: | WA930299 | Mgs id: | Not Reported |
| B1 seq: | 2557 | B1 recd: | 1994 8 4 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD0387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | JOSEPH |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | RT 68 |
| Road side: | S | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.631208 | | |
| Lon dec de: | -77.901459 | | |
| Issue date: | 1994 8 4 | Special fl: | Not Reported |
| C1 seq: | 3811 | C1 recd: | 1994 930 |
| Completion: | 1994 9 9 | | |
| Total dept: | 448 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 62 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 63 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 62 | | |
| Bottom scr: | 448 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 7 | | |
| Level befo: | 70 | | |
| Level duri: | 300 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000382686 |

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**31**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000518904**

| | | | |
|---|---|---|---|
| Object id: | 518904 | County let: | Not Reported |
| Permit: | WA944702 | Mgs id: | Not Reported |
| B1 seq: | 1890 | B1 recd: | 2007 427 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | GARY SHAFF |
| Driller id: | MSD 170 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | F | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | SHANK RD |
| Road side: | E | Road dista: | 40 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.628463 | | |
| Lon dec de: | -77.901424 | | |
| Issue date: | 2007 427 | Special fl: | Not Reported |
| C1 seq: | 0009 | C1 recd: | 2007 7 5 |
| Completion: | 2007 5 2 | | |
| Total dept: | 785 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 785 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 1 | | |
| Level befo: | 28 | | |
| Level duri: | 785 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000518904 |

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**H32**
**NW**
**1/4 - 1/2 Mile**
**Higher**

**MD WELLS** **MD7000000305404**

| | | | |
|---|---|---|---|
| Object id: | 305404 | County let: | WA |
| Permit: | WA811433 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1986 620 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21722 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | BIG SPRING | Town dista: | 1.4 MI |
| Town direc: | E | Road name: | RT 56 |
| Road side: | N | Road dista: | 200 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.633843 | | |
| Lon dec de: | -77.915695 | | |
| Issue date: | 1986 624 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 19861125 |
| Completion: | 1986 919 | | |
| Total dept: | 105 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 21 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 105 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 40 | | |
| Level befo: | 30 | | |
| Level duri: | 105 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000305404 |

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**H33**
**NW**
**1/4 - 1/2 Mile**
**Higher**

**MD WELLS** **MD7000000523884**

| | | | |
|---|---|---|---|
| Object id: | 523884 | County let: | Not Reported |
| Permit: | WA950038 | Mgs id: | Not Reported |
| B1 seq: | 3669 | B1 recd: | 20071016 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21742 | Driller na: | JOHN A SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | ASHTON KNOLLS |
| Section: | Not Reported | Lot: | 4 |
| Nearest to: | ASHTON | Town dista: | 1 |
| Town direc: | N | Road name: | ASHTON RD |
| Road side: | E | Road dista: | 250 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.633843 | | |
| Lon dec de: | -77.915695 | | |
| Issue date: | 20071016 | Special fl: | Not Reported |
| C1 seq: | 0526 | C1 recd: | 2008 110 |
| Completion: | 20071031 | | |
| Total dept: | 500 | | |
| Num unsucc: | 1 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 59 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 60 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 59 | | |
| Bottom scr: | 500 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 4 | | |
| Level befo: | 43 | | |
| Level duri: | 475 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | X | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000523884 |

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**H34**
**NW**
**1/4 - 1/2 Mile**
**Higher**

**MD WELLS** **MD7000000523885**

| | | | |
|---|---|---|---|
| Object id: | 523885 | County let: | Not Reported |
| Permit: | WA950039 | Mgs id: | Not Reported |
| B1 seq: | 3668 | B1 recd: | 20071016 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21742 | Driller na: | JOHN A SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | ASHTON KNOLLS |
| Section: | Not Reported | Lot: | 3 |
| Nearest to: | ASHTON | Town dista: | 1 |
| Town direc: | N | Road name: | ASHTON RD |
| Road side: | E | Road dista: | 60 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.633843 | | |
| Lon dec de: | -77.915695 | | |
| Issue date: | 20071016 | Special fl: | Not Reported |
| C1 seq: | 0525 | C1 recd: | 2008 110 |
| Completion: | 20071031 | | |
| Total dept: | 150 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 94 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 95 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 94 | | |
| Bottom scr: | 150 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 25 | | |
| Level befo: | 28 | | |
| Level duri: | 125 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000523885 |

---

**F35**
**SSW** **FED USGS** **USGS40000449848**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393728077545001 | | |
| Monloc name: | WA Bg 118 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6245404 |
| Longitude: | -77.9136088 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 460. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19810921 | Welldepth: | 105 |
| Welldepth units: | ft | Wellholedepth: | 105 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-09-21 | 50 | |

---

**F36**
**SSW** **FED USGS** **USGS40000449849**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393728077545002 | | |
| Monloc name: | WA Bg 119 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6245404 |
| Longitude: | -77.9136088 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 460. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19810921 | Welldepth: | 85 |
| Welldepth units: | ft | Wellholedepth: | 85 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-09-21 | | |

Note: The site was dry (no water level recorded).

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**G37**
**SW**
**1/4 - 1/2 Mile**
**Lower**

**MD WELLS** **MD7000000306479**

| | | | |
|---|---|---|---|
| Object id: | 306479 | County let: | WA |
| Permit: | WA812569 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 198812 1 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | SHAFF, JOHN V JR. |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | NELLIE STRITE |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CLEARSPRING | Town dista: | 4 MI |
| Town direc: | SE | Road name: | DAM #5 |
| Road side: | W | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217855 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.625608 | | |
| Lon dec de: | -77.915588 | | |
| Issue date: | 198812 7 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1989 120 |
| Completion: | 1989 112 | | |
| Total dept: | 300 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 30 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 32 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 31 | | |
| Bottom scr: | 300 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 10 | | |
| Level befo: | 38 | | |
| Level duri: | 63 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000306479 |

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**I38**
**SSW** **FED USGS** **USGS40000449822**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393725077544802 | | |
| Monloc name: | WA Bg 121 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6237071 |
| Longitude: | -77.9130532 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 437. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19810922 | Welldepth: | 65 |
| Welldepth units: | ft | Wellholedepth: | 65 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-09-22 | | |

Note: The site was dry (no water level recorded).

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**I39**
**SSW** **FED USGS** **USGS40000449821**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393725077544801 | | |
| Monloc name: | WA Bg 120 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6237071 |
| Longitude: | -77.9130532 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 437. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19810922 | Welldepth: | 85 |
| Welldepth units: | ft | Wellholedepth: | 85 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-09-22 | 40 | |

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**I40**
**SSW** **FED USGS** **USGS40000449824**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393725077544804 | | |
| Monloc name: | WA Bg 123 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6237071 |
| Longitude: | -77.9130532 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 437. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19810922 | Welldepth: | 65 |
| Welldepth units: | ft | Wellholedepth: | 65 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-09-22 | | |

Note: The site was dry (no water level recorded).

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**I41**
**SSW** **FED USGS** **USGS40000449823**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393725077544803 | | |
| Monloc name: | WA Bg 122 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6237071 |
| Longitude: | -77.9130532 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 437. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19810922 | Welldepth: | 65 |
| Welldepth units: | ft | Wellholedepth: | 65 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-09-22 | | |

Note: The site was dry (no water level recorded).

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **J42**<br>**NNW**<br>**1/4 - 1/2 Mile**<br>**Higher** | **MD WELLS** | **MD7000000397412** |

| | | | |
|---|---|---|---|
| Object id: | 397412 | County let: | WA |
| Permit: | WA940614 | Mgs id: | Not Reported |
| B1 seq: | 0796 | B1 recd: | 1996 910 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | ANNA HORST |
| Section: | Not Reported | Lot: | 6 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 35 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219074 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.636616 | | |
| Lon dec de: | -77.91218 | | |
| Issue date: | 1996 910 | Special fl: | Not Reported |
| C1 seq: | 0139 | C1 recd: | 1997 331 |
| Completion: | 1996 924 | | |
| Total dept: | 405 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 54 | | |
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 54 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 54 | | |
| Bottom scr: | 405 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 2 | | |
| Level befo: | 35 | | |
| Level duri: | 405 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397412 |

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**J43**
**NNW**
**1/4 - 1/2 Mile**
**Higher**

**MD WELLS** **MD7000000396837**

| | | | |
|---|---|---|---|
| Object id: | 396837 | County let: | WA |
| Permit: | WA941203 | Mgs id: | Not Reported |
| B1 seq: | 8291 | B1 recd: | 1998 5 5 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | 21795 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBISS |
| Section: | Not Reported | Lot: | 5 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | 11831 ASHTON ROAD |
| Road side: | E | Road dista: | 65 FT |
| Tax map: | 46 | Block: | 5 |
| Parcel: | 30 | | |
| N grid83: | 219074 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.636616 | | |
| Lon dec de: | -77.91218 | | |
| Issue date: | 1998 5 5 | Special fl: | Not Reported |
| C1 seq: | 3746 | C1 recd: | 1998 526 |
| Completion: | 1998 520 | | |
| Total dept: | 700 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 139 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 140 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 139 | | |
| Bottom scr: | 700 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 1 | | |
| Level befo: | 60 | | |
| Level duri: | 600 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396837 |

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**J44**
**NNW**
**1/4 - 1/2 Mile**
**Higher**

**MD WELLS** **MD7000000451595**

| | | | |
|---|---|---|---|
| Object id: | 451595 | County let: | WA |
| Permit: | WA942912 | Mgs id: | Not Reported |
| B1 seq: | 7916 | B1 recd: | 2002 7 9 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 17240 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 1.5 |
| Town direc: | SE | Road name: | 12229 ASHTON RD |
| Road side: | W | Road dista: | 35 FT |
| Tax map: | 34 | Block: | 17 |
| Parcel: | 67 | | |
| N grid83: | 219074 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.636616 | | |
| Lon dec de: | -77.91218 | | |
| Issue date: | 2002 718 | Special fl: | Not Reported |
| C1 seq: | 9985 | C1 recd: | 2002 9 9 |
| Completion: | 2002 829 | | |
| Total dept: | 760 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 168 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 169 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 168 | | |
| Bottom scr: | 760 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 17 | | |
| Level befo: | 100 | | |
| Level duri: | 675 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | R | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000451595 |

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**J45**
**NNW**
**1/4 - 1/2 Mile**
**Higher**

**MD WELLS** **MD7000000449815**

| | | | |
|---|---|---|---|
| Object id: | 449815 | County let: | WA |
| Permit: | WA942091 | Mgs id: | Not Reported |
| B1 seq: | 4105 | B1 recd: | 2000 918 |
| City: | FALLING WATER | State: | WV |
| Zip: | 25419 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBLISS |
| Section: | Not Reported | Lot: | 8 |
| Nearest to: | CLEAR SPRING | Town dista: | 1 |
| Town direc: | SE | Road name: | 11841 ASHTON ROAD |
| Road side: | E | Road dista: | 90 FT |
| Tax map: | 46 | Block: | 5 |
| Parcel: | 368 | | |
| N grid83: | 219074 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.636616 | | |
| Lon dec de: | -77.91218 | | |
| Issue date: | 2000 922 | Special fl: | Not Reported |
| C1 seq: | 9106 | C1 recd: | 20001030 |
| Completion: | 20001012 | | |
| Total dept: | 520 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 162 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 163 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 162 | | |
| Bottom scr: | 520 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 5 | | |
| Pumping ra: | 1 | | |
| Level befo: | 55 | | |
| Level duri: | 500 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000449815 |

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**46**
**ENE** **MD WELLS** **MD7000000396471**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Object id: | 396471 | County let: | WA |
| Permit: | WA940293 | Mgs id: | Not Reported |
| B1 seq: | 0808 | B1 recd: | 1995 926 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 350 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | SHANK RD |
| Road side: | S | Road dista: | 150 FT |
| Tax map: | 46 | Block: | Not Reported |
| Parcel: | 201 | | |
| N grid83: | 218770 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.633953 | | |
| Lon dec de: | -77.901494 | | |
| Issue date: | 1995 926 | Special fl: | Not Reported |
| C1 seq: | 0043 | C1 recd: | 19951212 |
| Completion: | 199510 9 | | |
| Total dept: | 620 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 83 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 84 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 83 | | |
| Bottom scr: | 620 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 2 | | |
| Level befo: | 45 | | |
| Level duri: | 620 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396471 |

---

**47**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000397561**

| | | | |
|---|---|---|---|
| Object id: | 397561 | County let: | WA |
| Permit: | WA941558 | Mgs id: | Not Reported |
| B1 seq: | 9587 | B1 recd: | 1999 5 4 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | LEO R HOLLAND JR |
| Driller id: | MSD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING MD | Town dista: | 4 |
| Town direc: | NW | Road name: | CLEAR SPRING ROAD |
| Road side: | N | Road dista: | 200 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219074 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.636671 | | |
| Lon dec de: | -77.905079 | | |
| Issue date: | 1999 5 5 | Special fl: | Not Reported |
| C1 seq: | 3542 | C1 recd: | 1999 526 |
| Completion: | 1999 5 6 | | |
| Total dept: | 205 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 21 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 205 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 10 | | |
| Level befo: | 30 | | |
| Level duri: | 205 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397561 |

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**48**
**SE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304932**

| | | | |
|---|---|---|---|
| Object id: | 304932 | County let: | WA |
| Permit: | WA810962 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1985 226 |
| City: | BIG SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | SHAFF, JOHN V JR. |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | A |
| Nearest to: | ASHTON | Town dista: | .7 MI |
| Town direc: | E | Road name: | DAM NO 5 |
| Road side: | W | Road dista: | .25 MI |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217855 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.625718 | | |
| Lon dec de: | -77.901389 | | |
| Issue date: | 1985 227 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1985 322 |
| Completion: | 1985 312 | | |
| Total dept: | 200 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 50 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 55 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 55 | | |
| Bottom scr: | 200 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 30 | | |
| Level befo: | 36 | | |
| Level duri: | 72 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304932 |

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**49**
**SSE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000301564**

| | | | |
|---|---|---|---|
| Object id: | 301564 | County let: | WA |
| Permit: | WA731093 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1975 6 4 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | Not Reported | Driller na: | LUCAS, HERBERT G |
| Driller id: | MWD0263 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 184 |
| Nearest to: | CLEAR SPRING | Town dista: | 1 MI |
| Town direc: | E | Road name: | ST PAUL RD |
| Road side: | E | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217550 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.622945 | | |
| Lon dec de: | -77.904903 | | |
| Issue date: | 1975 6 3 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1975 7 9 |
| Completion: | 1975 619 | | |
| Total dept: | 360 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 22 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 22 | | |
| Casing hei: | +02 | Screen typ: | HO |
| Top screen: | 22 | | |
| Bottom scr: | 360 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 15 | | |
| Level befo: | 100 | | |
| Level duri: | 340 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301564 |

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**50**
**WSW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000305260**

| | | | |
|---|---|---|---|
| Object id: | 305260 | County let: | WA |
| Permit: | WA811290 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1986 3 6 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | LEO R.HOLLAND |
| Driller id: | MWD0000 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | Not Reported | Town dista: | Not Reported |
| Town direc: | SE | Road name: | ASHTON |
| Road side: | W | Road dista: | 250 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 321083 | | |
| Lat dec de: | 39.628326 | | |
| Lon dec de: | -77.919173 | | |
| Issue date: | 1986 3 5 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 0 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | +00 | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000305260 |

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**K51**
**NW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000396830**

| | | | |
|---|---|---|---|
| Object id: | 396830 | County let: | WA |
| Permit: | WA941207 | Mgs id: | Not Reported |
| B1 seq: | 8237 | B1 recd: | 1998 511 |
| City: | CLEARSPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LEO R HOLLAND |
| Driller id: | MWD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 5 |
| Town direc: | SE | Road name: | ASHTON ROAD |
| Road side: | W | Road dista: | 500 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219074 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.636588 | | |
| Lon dec de: | -77.91573 | | |
| Issue date: | 1998 511 | Special fl: | Not Reported |
| C1 seq: | 3578 | C1 recd: | 1998 518 |
| Completion: | 1998 513 | | |
| Total dept: | 205 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 55 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 55 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 55 | | |
| Bottom scr: | 205 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 50 | | |
| Level befo: | 50 | | |
| Level duri: | 205 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396830 |

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**K52**
**NW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000396816**

| | | | |
|---|---|---|---|
| Object id: | 396816 | County let: | WA |
| Permit: | WA941219 | Mgs id: | Not Reported |
| B1 seq: | 4533 | B1 recd: | 1998 520 |
| City: | ST JAMES | State: | MD |
| Zip: | Not Reported | Driller na: | LEO R HOLLAND JR |
| Driller id: | MWD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBISS |
| Section: | Not Reported | Lot: | 4 |
| Nearest to: | CLEARSPRING | Town dista: | 5 |
| Town direc: | SE | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 60 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219074 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.636588 | | |
| Lon dec de: | -77.91573 | | |
| Issue date: | 1998 522 | Special fl: | Not Reported |
| C1 seq: | 3505 | C1 recd: | 1998 612 |
| Completion: | 1998 526 | | |
| Total dept: | 85 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 30 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 30 | | |
| Casing hei: | Not Reported | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 85 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | T |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 20 | | |
| Level befo: | 25 | | |
| Level duri: | 85 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396816 |

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**K53**
**NW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000449963**

| | | | |
|---|---|---|---|
| Object id: | 449963 | County let: | WA |
| Permit: | WA941921 | Mgs id: | Not Reported |
| B1 seq: | 8422 | B1 recd: | 2000 5 2 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | GARY W SHAFF |
| Driller id: | MWD 410 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 400 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBLISS |
| Section: | Not Reported | Lot: | 10 |
| Nearest to: | CLEARSPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | ASHTON |
| Road side: | E | Road dista: | 40 FT |
| Tax map: | 46 | Block: | 5 |
| Parcel: | 368 | | |
| N grid83: | 219074 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.636588 | | |
| Lon dec de: | -77.91573 | | |
| Issue date: | 2000 5 2 | Special fl: | Not Reported |
| C1 seq: | 0552 | C1 recd: | 2000 612 |
| Completion: | 2000 513 | | |
| Total dept: | 400 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 84 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 85 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 84 | | |
| Bottom scr: | 400 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | F | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 3 | | |
| Level befo: | 62 | | |
| Level duri: | 375 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000449963 |

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**K54**
**NW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000450228**

| | | | |
|---|---|---|---|
| Object id: | 450228 | County let: | WA |
| Permit: | WA941647 | Mgs id: | Not Reported |
| B1 seq: | 7046 | B1 recd: | 1999 715 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | 21795 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBISS |
| Section: | Not Reported | Lot: | 7 |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 11817 ASHTON RD |
| Road side: | E | Road dista: | 40 FT |
| Tax map: | 46 | Block: | 5 |
| Parcel: | 368 | | |
| N grid83: | 219074 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.636588 | | |
| Lon dec de: | -77.91573 | | |
| Issue date: | 1999 715 | Special fl: | Not Reported |
| C1 seq: | 0808 | C1 recd: | 1999 913 |
| Completion: | 1999 9 8 | | |
| Total dept: | 420 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 142 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 420 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 142 | | |
| Bottom scr: | 420 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 9 | | |
| Pumping ra: | 50 | | |
| Level befo: | 60 | | |
| Level duri: | 275 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000450228 |

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**K55**
**NW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000450130**

| | | | |
|---|---|---|---|
| Object id: | 450130 | County let: | WA |
| Permit: | WA941739 | Mgs id: | Not Reported |
| B1 seq: | 9724 | B1 recd: | 199910 5 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | JOHN SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBLISS |
| Section: | Not Reported | Lot: | 9 |
| Nearest to: | CLEARSPRING | Town dista: | 6 |
| Town direc: | S | Road name: | ASHTON ROAD |
| Road side: | W | Road dista: | 105 FT |
| Tax map: | 46 | Block: | 5 |
| Parcel: | 368 | | |
| N grid83: | 219074 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.636588 | | |
| Lon dec de: | -77.91573 | | |
| Issue date: | 199910 5 | Special fl: | Not Reported |
| C1 seq: | 0716 | C1 recd: | 19991221 |
| Completion: | 19991029 | | |
| Total dept: | 475 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 64 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 65 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 64 | | |
| Bottom scr: | 475 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | F | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 7 | | |
| Level befo: | 57 | | |
| Level duri: | 450 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000450130 |

---

**L56**
**SSE** **FED USGS** **USGS40000449784**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393718077542201 | | |
| Monloc name: | WA Bg 126 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6217627 |
| Longitude: | -77.9058308 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 415. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19850311 | Welldepth: | 85 |
| Welldepth units: | ft | Wellholedepth: | 85 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1985-03-11 | 10 | |

---

**M57**
**WNW** **MD WELLS** **MD7000000304103**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Object id: | 304103 | County let: | WA |
| Permit: | WA810132 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19811223 |
| City: | BIG SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | F | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | Y |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | 1.3 MI |
| Town direc: | NW | Road name: | BIG SPRING 56 |
| Road side: | N | Road dista: | 300 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 321083 | | |
| Lat dec de: | 39.633816 | | |
| Lon dec de: | -77.919245 | | |
| Issue date: | 19811218 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1982 223 |
| Completion: | 19811223 | | |
| Total dept: | 325 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 45 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 46 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 45 | | |
| Bottom scr: | 325 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 10 | | |
| Level befo: | 23 | | |
| Level duri: | 285 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304103 |

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**M58**
**WNW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000451620**

| | | | |
|---|---|---|---|
| Object id: | 451620 | County let: | WA |
| Permit: | WA942879 | Mgs id: | Not Reported |
| B1 seq: | 3686 | B1 recd: | 2002 5 6 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | 13526 BIG POOL RD |
| Road side: | N | Road dista: | 400 FT |
| Tax map: | 46 | Block: | 5 |
| Parcel: | 29 | | |
| N grid83: | 218770 | | |
| E grid83: | 321083 | | |
| Lat dec de: | 39.633816 | | |
| Lon dec de: | -77.919245 | | |
| Issue date: | 2002 716 | Special fl: | Not Reported |
| C1 seq: | 9952 | C1 recd: | 2002 8 8 |
| Completion: | 2002 8 1 | | |
| Total dept: | 398 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 79 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 80 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 79 | | |
| Bottom scr: | 398 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 30 | | |
| Level befo: | 60 | | |
| Level duri: | 350 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000451620 |

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**N59**
**SW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000303932**

| | | | |
|---|---|---|---|
| Object id: | 303932 | County let: | WA |
| Permit: | WA733461 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1981 5 1 |
| City: | FAIRPLAY | State: | MD |
| Zip: | 21733 | Driller na: | WOODWARD, DENIS H |
| Driller id: | MWD0258 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2.5 MI |
| Town direc: | S | Road name: | DAM #5 |
| Road side: | W | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217550 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.622863 | | |
| Lon dec de: | -77.915552 | | |
| Issue date: | 1981 429 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1981 616 |
| Completion: | 1981 521 | | |
| Total dept: | 300 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 40 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 300 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 300 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 5 | | |
| Level befo: | 30 | | |
| Level duri: | 300 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | S | | |
| Capacity: | 5 | | |
| Pump hp: | .5 | | |
| Column len: | 280 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000303932 |

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**N60**
**SW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000398017**

| | | | |
|---|---|---|---|
| Object id: | 398017 | County let: | WA |
| Permit: | WA941387 | Mgs id: | Not Reported |
| B1 seq: | 4610 | B1 recd: | 19981014 |
| City: | BIG POOL | State: | MD |
| Zip: | 21711 | Driller na: | JOHN A SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | WARREN STRITE |
| Section: | Not Reported | Lot: | 4 |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | S | Road name: | ASHTON RD |
| Road side: | E | Road dista: | 50 FT |
| Tax map: | 46 | Block: | 16 |
| Parcel: | 69 | | |
| N grid83: | 217550 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.622863 | | |
| Lon dec de: | -77.915552 | | |
| Issue date: | 19981015 | Special fl: | Not Reported |
| C1 seq: | 3458 | C1 recd: | 19981120 |
| Completion: | 19981028 | | |
| Total dept: | 430 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 430 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | F | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 50 | | |
| Level befo: | 54 | | |
| Level duri: | 400 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000398017 |

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**N61**
**SW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000450795**

| | | | |
|---|---|---|---|
| Object id: | 450795 | County let: | WA |
| Permit: | WA942306 | Mgs id: | Not Reported |
| B1 seq: | 0117 | B1 recd: | 2001 531 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | JOHN V SHAFF |
| Driller id: | MSD 26 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 4 |
| Town direc: | N | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 40 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217550 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.622863 | | |
| Lon dec de: | -77.915552 | | |
| Issue date: | 2001 531 | Special fl: | Not Reported |
| C1 seq: | 7744 | C1 recd: | 2001 7 6 |
| Completion: | 2001 621 | | |
| Total dept: | 175 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 29 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 30 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 29 | | |
| Bottom scr: | 175 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | F | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 50 | | |
| Level befo: | 19 | | |
| Level duri: | 150 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | A | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000450795 |

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**L62**
**SSE** **FED USGS** **USGS40000449783**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393718077542101 | | |
| Monloc name: | WA Bg 125 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6217627 |
| Longitude: | -77.905553 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 420. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19850401 | Welldepth: | 205 |
| Welldepth units: | ft | Wellholedepth: | 205 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 11

| Date | Feet below Surface | Feet to Sealevel | Date | Feet below Surface | Feet to Sealevel |
|---|---|---|---|---|---|
| 1987-05-26 | 9.81 | | 1987-04-29 | 8.87 | |
| 1987-03-26 | 9.84 | | 1987-02-24 | 9.75 | |
| 1987-02-03 | 9.53 | | 1986-12-30 | 8.92 | |
| 1986-11-25 | 9.81 | | 1986-10-28 | 10.68 | |
| 1986-10-01 | 10.92 | | 1986-08-29 | 10.58 | |
| 1986-06-24 | 10.40 | | | | |

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**63**
**SW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000449866**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393729077550701 | | |
| Monloc name: | WA Bf 124 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6248182 |
| Longitude: | -77.9183311 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 455. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Stonehenge Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19841214 | Welldepth: | 105 |
| Welldepth units: | ft | Wellholedepth: | 105 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1984-12-14 | 42 | |

| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **O64**<br>**East**<br>**1/2 - 1 Mile**<br>**Lower** | **MD WELLS** | **MD7000000374381** |

| | | | |
|---|---|---|---|
| Object id: | 374381 | County let: | WA |
| Permit: | WA920089 | Mgs id: | Not Reported |
| B1 seq: | 1895 | B1 recd: | 1993 128 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21740 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLES DOWLER |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | 11628 ASHTON ROAD |
| Road side: | W | Road dista: | 218 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.631235 | | |
| Lon dec de: | -77.897909 | | |
| Issue date: | 1993 129 | Special fl: | Not Reported |
| C1 seq: | 1137 | C1 recd: | 1993 3 2 |
| Completion: | 1993 218 | | |
| Total dept: | 148 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 83 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 84 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 83 | | |
| Bottom scr: | 148 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 30 | | |
| Level befo: | 50 | | |
| Level duri: | 95 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000374381 |

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**O65**
**East**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304028**

| | | | |
|---|---|---|---|
| Object id: | 304028 | County let: | WA |
| Permit: | WA810058 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1981 9 1 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21713 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 20 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 4 MI |
| Town direc: | SE | Road name: | DAM #5 RD |
| Road side: | Not Reported | Road dista: | .5 MI |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.631235 | | |
| Lon dec de: | -77.897909 | | |
| Issue date: | 1981 825 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1981 910 |
| Completion: | 1981 9 3 | | |
| Total dept: | 80 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 60 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 60 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 60 | | |
| Bottom scr: | 80 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 5 | | |
| Pumping ra: | 25 | | |
| Level befo: | 40 | | |
| Level duri: | 80 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304028 |

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**O66**
**East**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000382687**

| | | | |
|---|---|---|---|
| Object id: | 382687 | County let: | WA |
| Permit: | WA930300 | Mgs id: | Not Reported |
| B1 seq: | 2556 | B1 recd: | 1994 8 4 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD0387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | JOSEPH GEHR |
| Section: | Not Reported | Lot: | 3 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | RT 68 |
| Road side: | S | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.631235 | | |
| Lon dec de: | -77.897909 | | |
| Issue date: | 1994 8 4 | Special fl: | Not Reported |
| C1 seq: | 3812 | C1 recd: | 1994 930 |
| Completion: | 1994 915 | | |
| Total dept: | 748 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 62 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 63 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 62 | | |
| Bottom scr: | 748 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 4 | | |
| Level befo: | 60 | | |
| Level duri: | 400 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000382687 |

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**O67**
**East**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000451555**

| | | | |
|---|---|---|---|
| Object id: | 451555 | County let: | WA |
| Permit: | WA942953 | Mgs id: | Not Reported |
| B1 seq: | 7717 | B1 recd: | 2002 8 5 |
| City: | BIG POOL | State: | MD |
| Zip: | 21711 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 11610 DAM NO 5 |
| Road side: | W | Road dista: | 220 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.631235 | | |
| Lon dec de: | -77.897909 | | |
| Issue date: | 2002 8 6 | Special fl: | Not Reported |
| C1 seq: | 0119 | C1 recd: | 2002 830 |
| Completion: | 2002 827 | | |
| Total dept: | 520 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 117 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 118 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 117 | | |
| Bottom scr: | 520 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 1 | | |
| Level befo: | 900 | | |
| Level duri: | 500 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000451555 |

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**O68**
**East**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396384**

| | | | |
|---|---|---|---|
| Object id: | 396384 | County let: | WA |
| Permit: | WA940495 | Mgs id: | Not Reported |
| B1 seq: | 0837 | B1 recd: | 1996 530 |
| City: | LANCASTER | State: | PA |
| Zip: | 17604 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | I | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | WA1996G011 | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | Not Reported |
| Town direc: | T | Road name: | DAM 5 RD |
| Road side: | E | Road dista: | 80 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.631235 | | |
| Lon dec de: | -77.897909 | | |
| Issue date: | 1996 530 | Special fl: | Not Reported |
| C1 seq: | 5740 | C1 recd: | 199612 2 |
| Completion: | 1996 620 | | |
| Total dept: | 405 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 50 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 50 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 50 | | |
| Bottom scr: | 405 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 4 | | |
| Pumping ra: | 1 | | |
| Level befo: | 20 | | |
| Level duri: | 405 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396384 |

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**69**
**East**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000306975**

| | | | |
|---|---|---|---|
| Object id: | 306975 | County let: | WA |
| Permit: | WA880455 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1990 221 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21722 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | MI |
| Town direc: | SE | Road name: | DAM 5 RD |
| Road side: | W | Road dista: | 300 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.62849 | | |
| Lon dec de: | -77.897874 | | |
| Issue date: | 1990 221 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1990 417 |
| Completion: | 1990 328 | | |
| Total dept: | 285 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 30 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 30 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 30 | | |
| Bottom scr: | 285 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 5 | | |
| Level befo: | 30 | | |
| Level duri: | 285 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000306975 |

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**P70**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396455**

| | | | |
|---|---|---|---|
| Object id: | 396455 | County let: | WA |
| Permit: | WA940446 | Mgs id: | Not Reported |
| B1 seq: | 0832 | B1 recd: | 1996 429 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 350 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTON GRANT |
| Section: | Not Reported | Lot: | 11 |
| Nearest to: | CLEARSPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | CHARLTON CIRCLE |
| Road side: | S | Road dista: | 230 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.63398 | | |
| Lon dec de: | -77.897944 | | |
| Issue date: | 1996 429 | Special fl: | Not Reported |
| C1 seq: | 5705 | C1 recd: | 1996 6 5 |
| Completion: | 1996 522 | | |
| Total dept: | 85 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 40 | | |
| Grout bott: | 85 | | |
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 85 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 80 | | |
| Level befo: | 20 | | |
| Level duri: | 85 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396455 |

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**P71**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000382922**

| | | | |
|---|---|---|---|
| Object id: | 382922 | County let: | WA |
| Permit: | WA930117 | Mgs id: | Not Reported |
| B1 seq: | 1740 | B1 recd: | 1994 214 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | Not Reported | Lot: | 16 |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | RT 56 |
| Road side: | N | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.63398 | | |
| Lon dec de: | -77.897944 | | |
| Issue date: | 1994 214 | Special fl: | Not Reported |
| C1 seq: | 7556 | C1 recd: | 1994 518 |
| Completion: | 1994 224 | | |
| Total dept: | 85 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 60 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 60 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 60 | | |
| Bottom scr: | 85 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 40 | | |
| Level befo: | 25 | | |
| Level duri: | 85 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000382922 |

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**P72**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000382705**

| | | | |
|---|---|---|---|
| Object id: | 382705 | County let: | WA |
| Permit: | WA930283 | Mgs id: | Not Reported |
| B1 seq: | 2670 | B1 recd: | 1994 725 |
| City: | SHARPSBURG | State: | MD |
| Zip: | 21782 | Driller na: | NEIL C NEGLY |
| Driller id: | MWD0387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTON GRANT |
| Section: | 2 | Lot: | 23 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | CHARLTON COURT |
| Road side: | S | Road dista: | 300 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.63398 | | |
| Lon dec de: | -77.897944 | | |
| Issue date: | 1994 726 | Special fl: | Not Reported |
| C1 seq: | 3736 | C1 recd: | 1994 9 1 |
| Completion: | 1994 815 | | |
| Total dept: | 423 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 79 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 80 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 79 | | |
| Bottom scr: | 423 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 5 | | |
| Level befo: | 50 | | |
| Level duri: | 300 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000382705 |

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**P73**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000407953**

| | | | |
|---|---|---|---|
| Object id: | 407953 | County let: | WA |
| Permit: | WA940838 | Mgs id: | Not Reported |
| B1 seq: | 0141 | B1 recd: | 1997 5 5 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | LEO R HOLLAND |
| Driller id: | MWD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | ROUTE 56 |
| Road side: | S | Road dista: | 20 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.63398 | | |
| Lon dec de: | -77.897944 | | |
| Issue date: | 1997 5 5 | Special fl: | Not Reported |
| C1 seq: | 9999 | C1 recd: | 0 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | Not Reported | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000407953 |

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**P74**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396818**

| | | | |
|---|---|---|---|
| Object id: | 396818 | County let: | WA |
| Permit: | WA941221 | Mgs id: | Not Reported |
| B1 seq: | 8229 | B1 recd: | 1998 526 |
| City: | CLEARSPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LEO R HOLLAND JR |
| Driller id: | MWD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING MD | Town dista: | 3 |
| Town direc: | SW | Road name: | BIG POOL ROAD |
| Road side: | S | Road dista: | 1000FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.63398 | | |
| Lon dec de: | -77.897944 | | |
| Issue date: | 1998 526 | Special fl: | Not Reported |
| C1 seq: | 3574 | C1 recd: | 1998 612 |
| Completion: | 1998 528 | | |
| Total dept: | 485 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 30 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 30 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 30 | | |
| Bottom scr: | 485 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 1 | | |
| Level befo: | 35 | | |
| Level duri: | 485 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396818 |

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**P75**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396573**

| | | | |
|---|---|---|---|
| Object id: | 396573 | County let: | WA |
| Permit: | WA940081 | Mgs id: | Not Reported |
| B1 seq: | 2626 | B1 recd: | 1995 223 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 450 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTON ESTATES |
| Section: | Not Reported | Lot: | 3 |
| Nearest to: | CLEAR SPRING | Town dista: | 5 |
| Town direc: | SE | Road name: | 11725 DAM NO 5 RD |
| Road side: | E | Road dista: | 275 FT |
| Tax map: | 47 | Block: | 1 |
| Parcel: | 332 | | |
| N grid83: | 218770 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.63398 | | |
| Lon dec de: | -77.897944 | | |
| Issue date: | 1995 223 | Special fl: | Not Reported |
| C1 seq: | 2149 | C1 recd: | 1995 424 |
| Completion: | 1995 316 | | |
| Total dept: | 220 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 104 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 105 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 104 | | |
| Bottom scr: | 220 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 30 | | |
| Level befo: | 40 | | |
| Level duri: | 150 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396573 |

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**Q76**
**NNW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000304030**

| | | | |
|---|---|---|---|
| Object id: | 304030 | County let: | WA |
| Permit: | WA810060 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1981 9 1 |
| City: | FUNKSTOWN | State: | MD |
| Zip: | Not Reported | Driller na: | LUCAS, HERBERT G |
| Driller id: | MWD0263 | | |
| Est gpm pr: | 4 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | BIG SPRINGS | Town dista: | .6 MI |
| Town direc: | S | Road name: | ASHTON |
| Road side: | E | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219379 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.639361 | | |
| Lon dec de: | -77.912216 | | |
| Issue date: | 1981 828 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 198110 7 |
| Completion: | 1981 922 | | |
| Total dept: | 85 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 20 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 85 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 6 | | |
| Level befo: | 40 | | |
| Level duri: | 80 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304030 |

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**Q77**
**NNW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000304029**

| | | | |
|---|---|---|---|
| Object id: | 304029 | County let: | WA |
| Permit: | WA810059 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1981 9 1 |
| City: | BIG SPRINGS | State: | MD |
| Zip: | Not Reported | Driller na: | LUCAS, HERBERT G |
| Driller id: | MWD0263 | | |
| Est gpm pr: | 4 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | BIG SPRINGS | Town dista: | .6 MI |
| Town direc: | S | Road name: | ASHTON |
| Road side: | E | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219379 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.639361 | | |
| Lon dec de: | -77.912216 | | |
| Issue date: | 1981 828 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 198110 7 |
| Completion: | 1981 921 | | |
| Total dept: | 105 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 25 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 25 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 25 | | |
| Bottom scr: | 105 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 8 | | |
| Level befo: | 50 | | |
| Level duri: | 85 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304029 |

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**Q78**
**NNW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000397566**

| | | | |
|---|---|---|---|
| Object id: | 397566 | County let: | WA |
| Permit: | WA941554 | Mgs id: | Not Reported |
| B1 seq: | 9753 | B1 recd: | 1999 426 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | NEIL NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBISS |
| Section: | Not Reported | Lot: | 6 |
| Nearest to: | CLEARSPRING | Town dista: | 1 |
| Town direc: | SE | Road name: | 11821 ASHTON RD |
| Road side: | E | Road dista: | 60 FT |
| Tax map: | 46 | Block: | 5 |
| Parcel: | 368 | | |
| N grid83: | 219379 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.639361 | | |
| Lon dec de: | -77.912216 | | |
| Issue date: | 1999 426 | Special fl: | Not Reported |
| C1 seq: | 3041 | C1 recd: | 1999 517 |
| Completion: | 1999 510 | | |
| Total dept: | 373 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 62 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 63 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 62 | | |
| Bottom scr: | 373 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 4 | | |
| Pumping ra: | 35 | | |
| Level befo: | 40 | | |
| Level duri: | 200 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397566 |

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**Q79**
**NNW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000449761**

| | | | |
|---|---|---|---|
| Object id: | 449761 | County let: | WA |
| Permit: | WA942146 | Mgs id: | Not Reported |
| B1 seq: | 3507 | B1 recd: | 200011 9 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | CHARLIE BURCKER |
| Driller id: | MSD 133 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | POTOMAC HALL FARMS |
| Section: | Not Reported | Lot: | 3 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 80 FT |
| Tax map: | 46 | Block: | 16 |
| Parcel: | 318 | | |
| N grid83: | 219379 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.639361 | | |
| Lon dec de: | -77.912216 | | |
| Issue date: | 200011 9 | Special fl: | Not Reported |
| C1 seq: | 9160 | C1 recd: | 200012 1 |
| Completion: | 20001120 | | |
| Total dept: | 300 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 42 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 42 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 42 | | |
| Bottom scr: | 300 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 30 | | |
| Pumping ra: | 7 | | |
| Level befo: | 120 | | |
| Level duri: | 280 | | |
| Test pump : | A | Pump insta: | Y |

| | | | |
|---|---|---|---|
| Install pu: | S | | |
| Capacity: | 7 | | |
| Pump hp: | .75 | | |
| Column len: | 280 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000449761 |

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**Q80**
**NNW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000449649**

| | | | |
|---|---|---|---|
| Object id: | 449649 | County let: | WA |
| Permit: | WA942441 | Mgs id: | Not Reported |
| B1 seq: | 3536 | B1 recd: | 2001 911 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | CHARLIE BURCKER |
| Driller id: | MSD 133 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | POTOMAC HALL |
| Section: | Not Reported | Lot: | 5 |
| Nearest to: | ASHTON RD | Town dista: | 3 |
| Town direc: | SE | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 50 FT |
| Tax map: | 46 | Block: | 17 |
| Parcel: | 318 | | |
| N grid83: | 219379 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.639361 | | |
| Lon dec de: | -77.912216 | | |
| Issue date: | 2001 911 | Special fl: | Not Reported |
| C1 seq: | 7699 | C1 recd: | 20011023 |
| Completion: | 20011010 | | |
| Total dept: | 500 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 96 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 98 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 98 | | |
| Bottom scr: | 500 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 30 | | |
| Pumping ra: | 2 | | |
| Level befo: | 30 | | |
| Level duri: | 480 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000449649 |

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**R81**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396364**

| | | | |
|---|---|---|---|
| Object id: | 396364 | County let: | WA |
| Permit: | WA940211 | Mgs id: | Not Reported |
| B1 seq: | 2670 | B1 recd: | 1995 719 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RIVERWOOD |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CHARLTON | Town dista: | 1 |
| Town direc: | S | Road name: | DAM 5 |
| Road side: | E | Road dista: | 60 FT |
| Tax map: | 46 | Block: | 12 |
| Parcel: | 344 | | |
| N grid83: | 217855 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.625745 | | |
| Lon dec de: | -77.897839 | | |
| Issue date: | 1995 719 | Special fl: | Not Reported |
| C1 seq: | 2071 | C1 recd: | 199510 4 |
| Completion: | 1995 8 5 | | |
| Total dept: | 245 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 20 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 245 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 8 | | |
| Level befo: | 40 | | |
| Level duri: | 245 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396364 |

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**R82**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396526**

| | | | |
|---|---|---|---|
| Object id: | 396526 | County let: | WA |
| Permit: | WA940426 | Mgs id: | Not Reported |
| B1 seq: | 0786 | B1 recd: | 1996 4 8 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | Not Reported | Lot: | 5 |
| Nearest to: | CLEARSPRING | Town dista: | 4 |
| Town direc: | NW | Road name: | CHARLTON COURT |
| Road side: | W | Road dista: | 60 FT |
| Tax map: | 47 | Block: | 1 |
| Parcel: | 332 | | |
| N grid83: | 217855 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.625745 | | |
| Lon dec de: | -77.897839 | | |
| Issue date: | 1996 4 8 | Special fl: | Not Reported |
| C1 seq: | 5873 | C1 recd: | 1996 6 5 |
| Completion: | 1996 416 | | |
| Total dept: | 190 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 20 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 190 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 100 | | |
| Level befo: | 25 | | |
| Level duri: | 190 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396526 |

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**R83**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000397184**

| | | | |
|---|---|---|---|
| Object id: | 397184 | County let: | WA |
| Permit: | WA940836 | Mgs id: | Not Reported |
| B1 seq: | 8035 | B1 recd: | 1997 5 1 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | GARY W SHAFF |
| Driller id: | MWD 410 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RIVERWOOD |
| Section: | Not Reported | Lot: | 4 |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | NE | Road name: | GIFT RD |
| Road side: | N | Road dista: | 500 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217855 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.625745 | | |
| Lon dec de: | -77.897839 | | |
| Issue date: | 1997 5 1 | Special fl: | Not Reported |
| C1 seq: | 8800 | C1 recd: | 1997 6 2 |
| Completion: | 1997 521 | | |
| Total dept: | 225 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 104 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 126 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 125 | | |
| Bottom scr: | 225 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | F | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 15 | | |
| Level befo: | 31 | | |
| Level duri: | 145 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397184 |

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**S84**
**South**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304936**

| | | | |
|---|---|---|---|
| Object id: | 304936 | County let: | WA |
| Permit: | WA810966 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1985 3 5 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21722 | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | 1 MI |
| Town direc: | S | Road name: | DAM #5 |
| Road side: | W | Road dista: | .4 MI |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217246 | | |
| E grid83: | 321997 | | |
| Lat dec de: | 39.620173 | | |
| Lon dec de: | -77.908418 | | |
| Issue date: | 1985 3 5 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1985 422 |
| Completion: | 1985 311 | | |
| Total dept: | 85 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 85 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 100 | | |
| Level befo: | 10 | | |
| Level duri: | 85 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304936 |

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**S85**
**South**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304958**

| | | | |
|---|---|---|---|
| Object id: | 304958 | County let: | WA |
| Permit: | WA810988 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1985 329 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21722 | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | F | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | S |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | 1 MI |
| Town direc: | S | Road name: | DAM #5 |
| Road side: | W | Road dista: | .4 MI |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217246 | | |
| E grid83: | 321997 | | |
| Lat dec de: | 39.620173 | | |
| Lon dec de: | -77.908418 | | |
| Issue date: | 1985 329 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1985 513 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | +00 | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | U | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304958 |

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**P86**
**ENE** **FED USGS** **USGS40000450195**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393800077535101 | | |
| Monloc name: | WA Bg 102 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6334292 |
| Longitude: | -77.8972196 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 480.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19771122 | Welldepth: | 100 |
| Welldepth units: | ft | Wellholedepth: | 100 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1977-11-22 | 30.00 | |

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**T87**
**ENE** **MD WELLS** **MD7000000298664**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Object id: | 298664 | County let: | WA |
| Permit: | WA660293 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 0 |
| City: | BIG SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | W W TEACH |
| Driller id: | MWD0000 | | |
| Est gpm pr: | 0 | | |
| Use for wa: | DW | | |
| Approx dep: | 0 | | |
| Drill meth: | CABLE | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | WA2003G002 | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | Not Reported |
| Town direc: | Not Reported | Road name: | Not Reported |
| Road side: | Not Reported | Road dista: | Not Reported |
| Tax map: | 46 | Block: | 12 |
| Parcel: | 14 | | |
| N grid83: | 218641 | | |
| E grid83: | 323069 | | |
| Lat dec de: | 39.632836 | | |
| Lon dec de: | -77.896097 | | |
| Issue date: | 0 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 0 |
| Completion: | 1966 5 6 | | |
| Total dept: | 75 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 6 | | |
| Casing dep: | 54 | | |
| Casing hei: | 1 | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 8 | | |
| Level befo: | 45 | | |
| Level duri: | 50 | | |
| Test pump : | O | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000298664 |

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**U88**
**West**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000300414**

| | | | |
|---|---|---|---|
| Object id: | 300414 | County let: | WA |
| Permit: | WA720248 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1972 5 2 |
| City: | BIG SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 100 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | BIG SPRING | Town dista: | 2 MI |
| Town direc: | E | Road name: | MD RT 56 |
| Road side: | N | Road dista: | 75 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 320778 | | |
| Lat dec de: | 39.628298 | | |
| Lon dec de: | -77.922723 | | |
| Issue date: | 1972 5 1 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1972 628 |
| Completion: | 1972 512 | | |
| Total dept: | 80 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 65 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 65 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 65 | | |
| Bottom scr: | 85 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 30 | | |
| Level befo: | 30 | | |
| Level duri: | 75 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000300414 |

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**U89**
**West**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000299866**

| | | | |
|---|---|---|---|
| Object id: | 299866 | County let: | WA |
| Permit: | WA710004 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1970 7 8 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | F | | |
| Approx dep: | 150 | | |
| Drill meth: | CABLE | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 MI |
| Town direc: | S | Road name: | RT 68 |
| Road side: | S | Road dista: | 500 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 320778 | | |
| Lat dec de: | 39.628298 | | |
| Lon dec de: | -77.922723 | | |
| Issue date: | 1970 7 7 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 0 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | +00 | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000299866 |

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**U90**
**West**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000303821**

| | | | |
|---|---|---|---|
| Object id: | 303821 | County let: | WA |
| Permit: | WA733350 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1981 4 7 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | Not Reported | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | 2 MI |
| Town direc: | SW | Road name: | GRUBER RD |
| Road side: | N | Road dista: | 70 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 320778 | | |
| Lat dec de: | 39.628298 | | |
| Lon dec de: | -77.922723 | | |
| Issue date: | 198012 8 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1981 3 4 |
| Completion: | 1981 126 | | |
| Total dept: | 250 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 79 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 80 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 80 | | |
| Bottom scr: | 250 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 50 | | |
| Level befo: | 100 | | |
| Level duri: | 225 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000303821 |

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**U91**
**West**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000301015**

| | | | |
|---|---|---|---|
| Object id: | 301015 | County let: | WA |
| Permit: | WA730543 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19731218 |
| City: | CLEARSPRING | State: | MD |
| Zip: | Not Reported | Driller na: | SHAFF, JOHN V JR |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CLEARSPRING | Town dista: | 4 MI |
| Town direc: | E | Road name: | RT 68 |
| Road side: | N | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 320778 | | |
| Lat dec de: | 39.628298 | | |
| Lon dec de: | -77.922723 | | |
| Issue date: | 19731213 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1974 211 |
| Completion: | 1974 126 | | |
| Total dept: | 215 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 16 | | |
| Casing typ: | ST | | |
| Casing dia: | 15 | | |
| Casing dep: | 215 | | |
| Casing hei: | +02 | Screen typ: | HO |
| Top screen: | 215 | | |
| Bottom scr: | 215 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 30 | | |
| Level befo: | 28 | | |
| Level duri: | 56 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301015 |

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**V92**
**NNW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000304647**

| | | | |
|---|---|---|---|
| Object id: | 304647 | County let: | WA |
| Permit: | WA810676 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1984 223 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | 21795 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBISS |
| Section: | Not Reported | Lot: | 3 |
| Nearest to: | CLEAR SPRING | Town dista: | 1.5 MI |
| Town direc: | SE | Road name: | ASHTON |
| Road side: | W | Road dista: | 247 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219379 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.639333 | | |
| Lon dec de: | -77.915766 | | |
| Issue date: | 1984 223 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1984 328 |
| Completion: | 1984 3 1 | | |
| Total dept: | 325 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 35 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 35 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | T |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 10 | | |
| Level befo: | 60 | | |
| Level duri: | 325 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304647 |

---

**V93**
**NNW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000304827**

| | | | |
|---|---|---|---|
| Object id: | 304827 | County let: | WA |
| Permit: | WA810857 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1984 925 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | RAYMOND DIVELBISS |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CLEARSPRING | Town dista: | 1.5 MI |
| Town direc: | SE | Road name: | ASHTON |
| Road side: | W | Road dista: | 216 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219379 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.639333 | | |
| Lon dec de: | -77.915766 | | |
| Issue date: | 1984 925 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 19841017 |
| Completion: | 1984 928 | | |
| Total dept: | 285 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 55 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 55 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 55 | | |
| Bottom scr: | 285 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 10 | | |
| Level befo: | 35 | | |
| Level duri: | 285 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304827 |

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**V94**
**NNW**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000338450**

| | | | |
|---|---|---|---|
| Object id: | 338450 | County let: | WA |
| Permit: | WA881138 | Mgs id: | Not Reported |
| B1 seq: | 1242 | B1 recd: | 1991 820 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | NEIL C. NEGLEY |
| Driller id: | MWD0387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | ASHTON ROAD |
| Road side: | W | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219379 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.639333 | | |
| Lon dec de: | -77.915766 | | |
| Issue date: | 1991 820 | Special fl: | N |
| C1 seq: | 5246 | C1 recd: | 1991 926 |
| Completion: | 1991 911 | | |
| Total dept: | 298 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 83 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 84 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 83 | | |
| Bottom scr: | 298 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 4 | | |
| Pumping ra: | 5 | | |
| Level befo: | 65 | | |
| Level duri: | 220 | | |
| Test pump : | A | Pump insta: | Y |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000338450 |

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**T95**
**ENE**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000450166**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393758077534601 | | |
| Monloc name: | WA Bg 105 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6328736 |
| Longitude: | -77.8958306 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19660506 | Welldepth: | 75 |
| Welldepth units: | ft | Wellholedepth: | 75 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1966-05-06 | 45 | |

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**W96**
**NE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000383561**

| | | | |
|---|---|---|---|
| Object id: | 383561 | County let: | WA |
| Permit: | WA930374 | Mgs id: | Not Reported |
| B1 seq: | 1769 | B1 recd: | 19941012 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | DEAN J WOODWARD |
| Driller id: | MWD 110 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | Not Reported | Lot: | 12 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | NW | Road name: | CHARLTON COURT |
| Road side: | S | Road dista: | 175 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219074 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.636725 | | |
| Lon dec de: | -77.897979 | | |
| Issue date: | 19941012 | Special fl: | Not Reported |
| C1 seq: | 0721 | C1 recd: | 19941128 |
| Completion: | 19941024 | | |
| Total dept: | 105 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 40 | | |

| | | | |
|---|---|---|---|
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 105 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 100 | | |
| Level befo: | 40 | | |
| Level duri: | 105 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000383561 |

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**W97**
**NE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000397387**

| | | | |
|---|---|---|---|
| Object id: | 397387 | County let: | WA |
| Permit: | WA940634 | Mgs id: | Not Reported |
| B1 seq: | 2695 | B1 recd: | 1996 923 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 350 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | JOSEPH W GEHR SR |
| Section: | Not Reported | Lot: | 1 |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | CLEARSPRING RD |
| Road side: | S | Road dista: | 75 FT |
| Tax map: | 46 | Block: | 6 |
| Parcel: | 213 | | |
| N grid83: | 219074 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.636725 | | |
| Lon dec de: | -77.897979 | | |
| Issue date: | 1996 923 | Special fl: | Not Reported |
| C1 seq: | 0148 | C1 recd: | 19961224 |
| Completion: | 1996 925 | | |
| Total dept: | 245 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 25 | | |

| | | | |
|---|---|---|---|
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 25 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 25 | | |
| Bottom scr: | 245 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 5 | | |
| Level befo: | 20 | | |
| Level duri: | 245 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397387 |

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**98**
**East** **FED USGS** **USGS40000450045**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393746077534301 | | |
| Monloc name: | WA Bg 131 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6295404 |
| Longitude: | -77.8949973 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 475. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Stonehenge Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19690127 | Welldepth: | 300 |
| Welldepth units: | ft | Wellholedepth: | 300 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1969-01-27 | 40 | |

**X99**
**SSW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304455**

| | | | |
|---|---|---|---|
| Object id: | 304455 | County let: | WA |
| Permit: | WA810483 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1983 6 1 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 2.7 MI |
| Town direc: | S | Road name: | GRUBER |
| Road side: | E | Road dista: | 300 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217246 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.620118 | | |
| Lon dec de: | -77.915517 | | |
| Issue date: | 1983 6 1 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1983 614 |
| Completion: | 1983 6 7 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 45 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 45 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 100 | | |
| Bottom scr: | 125 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | T |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 30 | | |
| Level befo: | 55 | | |
| Level duri: | 125 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304455 |

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**X100**
**SSW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000452158**

| | | | |
|---|---|---|---|
| Object id: | 452158 | County let: | WA |
| Permit: | WA942675 | Mgs id: | Not Reported |
| B1 seq: | 4075 | B1 recd: | 2002 311 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | JOHN A SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | N | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217246 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.620118 | | |
| Lon dec de: | -77.915517 | | |
| Issue date: | 2002 3 8 | Special fl: | Not Reported |
| C1 seq: | 0694 | C1 recd: | 2002 624 |
| Completion: | 2002 515 | | |
| Total dept: | 210 | | |
| Num unsucc: | 1 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 100 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 105 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 104 | | |
| Bottom scr: | 210 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 40 | | |
| Level befo: | 18 | | |
| Level duri: | 175 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | X | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000452158 |

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**Y101**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000397540**

| | | | |
|---|---|---|---|
| Object id: | 397540 | County let: | WA |
| Permit: | WA941582 | Mgs id: | Not Reported |
| B1 seq: | 7234 | B1 recd: | 1999 527 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | JOHN SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | CLEARSPRING RD RT 68 |
| Road side: | N | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219379 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.639443 | | |
| Lon dec de: | -77.901564 | | |
| Issue date: | 1999 527 | Special fl: | Not Reported |
| C1 seq: | 3325 | C1 recd: | 1999 7 1 |
| Completion: | 1999 7 6 | | |
| Total dept: | 300 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 40 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 39 | | |
| Bottom scr: | 300 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | F | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 20 | | |
| Level befo: | 30 | | |
| Level duri: | 300 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397540 |

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**Y102**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000501257**

| | | | |
|---|---|---|---|
| Object id: | 501257 | County let: | WA |
| Permit: | WA944235 | Mgs id: | Not Reported |
| B1 seq: | 4642 | B1 recd: | 2005 722 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | JOHN A. SHAFF |
| Driller id: | MSD 011 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | CLEARSPRING RD |
| Road side: | S | Road dista: | 200 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219379 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.639443 | | |
| Lon dec de: | -77.901564 | | |
| Issue date: | 2005 726 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 0 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | Not Reported | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | C | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000501257 |

---

**Y103**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000508853**

| | | | |
|---|---|---|---|
| Object id: | 508853 | County let: | Not Reported |
| Permit: | WA944251 | Mgs id: | Not Reported |
| B1 seq: | 5435 | B1 recd: | 2005 817 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | CHARLIE BURCKER |
| Driller id: | MSD 133 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 400 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | S | Road name: | 13691 CLEAR SPRING R |
| Road side: | S | Road dista: | 200 FT |
| Tax map: | 46 | Block: | 6 |
| Parcel: | 13 | | |
| N grid83: | 219379 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.639443 | | |
| Lon dec de: | -77.901564 | | |
| Issue date: | 2005 818 | Special fl: | Not Reported |
| C1 seq: | 0008 | C1 recd: | 2006 613 |
| Completion: | 2005 9 9 | | |
| Total dept: | 250 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 40 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 250 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 30 | | |
| Pumping ra: | 10 | | |
| Level befo: | 180 | | |
| Level duri: | 80 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000508853 |

---

**T104**
**ENE** **FED USGS** **USGS40000450157**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393757077534401 | | |
| Monloc name: | WA Bg 14 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6331514 |
| Longitude: | -77.895275 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19520419 | Welldepth: | 68 |
| Welldepth units: | ft | Wellholedepth: | 68 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1952-04-19 | 30 | |

---

**105**
**SE** **MD WELLS** **MD7000000450209**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Object id: | 450209 | County let: | WA |
| Permit: | WA941664 | Mgs id: | Not Reported |
| B1 seq: | 7012 | B1 recd: | 1999 727 |
| City: | HYATTSVILLE | State: | MD |
| Zip: | 21784 | Driller na: | LEO R HOLLAND JR |
| Driller id: | MSD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 6 |
| Nearest to: | CLEARSPRING | Town dista: | 5 |
| Town direc: | SE | Road name: | GIFT RD |
| Road side: | W | Road dista: | 80 FT |
| Tax map: | 46 | Block: | 18 |
| Parcel: | 343 | | |
| N grid83: | 217550 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.623 | | |
| Lon dec de: | -77.897804 | | |
| Issue date: | 1999 727 | Special fl: | Not Reported |
| C1 seq: | 0815 | C1 recd: | 1999 816 |
| Completion: | 1999 8 2 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 40 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 80 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 80 | | |
| Bottom scr: | 125 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 30 | | |
| Level befo: | 40 | | |
| Level duri: | 125 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000450209 |

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**T106**
**ENE**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000450156**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393757077534301 | | |
| Monloc name: | WA Bg 18 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6325959 |
| Longitude: | -77.8949973 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19460719 | Welldepth: | 72 |
| Welldepth units: | ft | Wellholedepth: | 72 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1946-07-19 | 7 | |

---

**107**
**SSE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000449728**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393711077541101 | | |
| Monloc name: | WA Bg 141 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6198183 |
| Longitude: | -77.9027752 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 465. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19770516 | Welldepth: | 500 |
| Welldepth units: | ft | Wellholedepth: | 500 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1977-05-16 | 150 | |

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**Y108**
**NNE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450379**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393823077540701 | | |
| Monloc name: | WA Bg 83 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6398179 |
| Longitude: | -77.9016641 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 470.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Pinesburg Station Dolomite | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19740126 | Welldepth: | 215 |
| Welldepth units: | ft | Wellholedepth: | 215 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1974-01-26 | 30.00 | |

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**Z109**
**East**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000476255**

| | | | |
|---|---|---|---|
| Object id: | 476255 | County let: | Not Reported |
| Permit: | WA943390 | Mgs id: | Not Reported |
| B1 seq: | 7671 | B1 recd: | 2003 728 |
| City: | WHITE HALL | State: | MD |
| Zip: | 21161 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 5 |
| Nearest to: | CLEARSPRING | Town dista: | 4 |
| Town direc: | SE | Road name: | BIG POOL RD |
| Road side: | S | Road dista: | 160 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.631262 | | |

| | | | |
|---|---|---|---|
| Lon dec de: | -77.894359 | | |
| Issue date: | 2003 730 | Special fl: | Not Reported |
| C1 seq: | 0107 | C1 recd: | 2003 9 8 |
| Completion: | 2003 725 | | |
| Total dept: | 1023 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 39 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 39 | | |
| Bottom scr: | 1023 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000476255 |

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**Z110**
**East**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000383650**

| | | | |
|---|---|---|---|
| Object id: | 383650 | County let: | WA |
| Permit: | WA930322 | Mgs id: | Not Reported |
| B1 seq: | 2568 | B1 recd: | 1994 822 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21742 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD0387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 15 |
| Nearest to: | CLEAR SPRING | Town dista: | Not Reported |
| Town direc: | SE | Road name: | 13830 BIG POOL ROAD |
| Road side: | N | Road dista: | 30 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.631262 | | |

| | | | |
|---|---|---|---|
| Lon dec de: | -77.894359 | | |
| Issue date: | 1994 823 | Special fl: | Not Reported |
| C1 seq: | 3742 | C1 recd: | 1994 930 |
| Completion: | 1994 915 | | |
| Total dept: | 123 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 61 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 62 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 61 | | |
| Bottom scr: | 123 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 40 | | |
| Level befo: | 30 | | |
| Level duri: | 80 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | A | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000383650 |

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**Z111**
**East**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000476357**

| | | | |
|---|---|---|---|
| Object id: | 476357 | County let: | Not Reported |
| Permit: | WA943297 | Mgs id: | Not Reported |
| B1 seq: | 7651 | B1 recd: | 2003 516 |
| City: | WHITE HALL | State: | MD |
| Zip: | 21161 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 5 |
| Nearest to: | CLEARSPRING | Town dista: | 4 |
| Town direc: | SE | Road name: | BIG POOL RD |
| Road side: | S | Road dista: | 160 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.631262 | | |

| | | | |
|---|---|---|---|
| Lon dec de: | -77.894359 | | |
| Issue date: | 2003 6 5 | Special fl: | Not Reported |
| C1 seq: | 7961 | C1 recd: | 2003 9 8 |
| Completion: | 2003 725 | | |
| Total dept: | 698 | | |
| Num unsucc: | 2 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 42 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 43 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 42 | | |
| Bottom scr: | 698 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 1 | | |
| Level befo: | 60 | | |
| Level duri: | 600 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000476357 |

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**Z112**
**East**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000476279**

| | | | |
|---|---|---|---|
| Object id: | 476279 | County let: | Not Reported |
| Permit: | WA943377 | Mgs id: | Not Reported |
| B1 seq: | 7664 | B1 recd: | 2003 630 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | 21795 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 13813 BIG POOL RD |
| Road side: | S | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.631262 | | |

| | | | |
|---|---|---|---|
| Lon dec de: | -77.894359 | | |
| Issue date: | 2003 724 | Special fl: | Not Reported |
| C1 seq: | 0095 | C1 recd: | 2003 911 |
| Completion: | 2003 9 2 | | |
| Total dept: | 160 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 98 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 99 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 98 | | |
| Bottom scr: | 160 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 50 | | |
| Level befo: | 35 | | |
| Level duri: | 130 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000476279 |

---

**113**
**East**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304585**

| | | | |
|---|---|---|---|
| Object id: | 304585 | County let: | WA |
| Permit: | WA810614 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19831018 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21722 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | MRS JADRIAN STRITE |
| Section: | Not Reported | Lot: | D |
| Nearest to: | CLEARSPRING | Town dista: | 2.7 MI |
| Town direc: | SE | Road name: | DAM #5 |
| Road side: | E | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218160 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.628517 | | |

| | | | |
|---|---|---|---|
| Lon dec de: | -77.894324 | | |
| Issue date: | 19831018 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 198311 7 |
| Completion: | 19831031 | | |
| Total dept: | 360 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 21 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 360 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 5 | | |
| Level befo: | 65 | | |
| Level duri: | 360 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304585 |

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**Y114**
**NNE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450383**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393824077540701 | | |
| Monloc name: | WA Bg 82 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6400957 |
| Longitude: | -77.9016641 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 460.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Pinesburg Station Dolomite | | |

| | | | |
|---|---|---|---|
| Aquifer type: | Not Reported | | |
| Construction date: | 19800528 | Welldepth: | 155 |
| Welldepth units: | ft | Wellholedepth: | 155 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1980-05-28 | 20.00 | |

---

**Z115**
**East**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000450144**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393755077534001 | | |
| Monloc name: | WA Bg 16 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6320403 |
| Longitude: | -77.8941639 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19480815 | Welldepth: | 170 |
| Welldepth units: | ft | Wellholedepth: | 170 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1948-08-15 | 60 | |

---

**116**
**ENE**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000450151**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393756077534001 | | |
| Monloc name: | WA Bg 15 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6323181 |
| Longitude: | -77.8941639 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19500504 | Welldepth: | 70 |
| Welldepth units: | ft | Wellholedepth: | 70 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1950-05-04 | 45 | |

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**Z117**
**East**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450133**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393754077533901 | | |
| Monloc name: | WA Bg 162 | | |
| Monloc type: | Well | | |
| Monloc desc: | FRACTURES & CAVERN | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6317625 |
| Longitude: | -77.8938861 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 485 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Stonehenge Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19810903 | Welldepth: | 80 |
| Welldepth units: | ft | Wellholedepth: | 80 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1981-09-03 | 40 | |

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**AA118**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000306358**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|---|---|---|
| Object id: | 306358 | County let: | WA |
| Permit: | WA812438 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1988 824 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | 21795 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 1 |
| Nearest to: | CLEARSPRING | Town dista: | 3 MI |
| Town direc: | S | Road name: | DAM #5 RD |
| Road side: | E | Road dista: | 200 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.634007 | | |
| Lon dec de: | -77.894394 | | |
| Issue date: | 1988 9 6 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 19881026 |
| Completion: | 19881023 | | |
| Total dept: | 150 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 42 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 42 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 42 | | |
| Bottom scr: | 150 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 23 | | |
| Level befo: | 30 | | |
| Level duri: | 150 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000306358 |

| Map ID<br>Direction<br>Distance<br>Elevation | | Database | EDR ID Number |
|---|---|---|---|
| **AA119**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | | **MD WELLS** | **MD7000000339566** |

| | | | |
|---|---|---|---|
| Object id: | 339566 | County let: | WA |
| Permit: | WA881504 | Mgs id: | Not Reported |
| B1 seq: | 2526 | B1 recd: | 1992 817 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | NEIL C. NEGLEY |
| Driller id: | MWD0387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 225 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | I | Lot: | 2 |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 68 DAM NO. 5 ROAD |
| Road side: | E | Road dista: | 260 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.634007 | | |
| Lon dec de: | -77.894394 | | |
| Issue date: | 1992 817 | Special fl: | N |
| C1 seq: | 7784 | C1 recd: | 1992 921 |
| Completion: | 1992 831 | | |
| Total dept: | 398 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 121 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 122 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 121 | | |
| Bottom scr: | 398 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 8 | | |
| Level befo: | 60 | | |
| Level duri: | 350 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000339566 |

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**AA120**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304760**

| | | | |
|---|---|---|---|
| Object id: | 304760 | County let: | WA |
| Permit: | WA810790 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1984 711 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | SHAFF, JOHN V JR. |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | ANDREW MICHAEL |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CHARLTON | Town dista: | .5 MI |
| Town direc: | N | Road name: | RT 56 |
| Road side: | E | Road dista: | 300 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.634007 | | |
| Lon dec de: | -77.894394 | | |
| Issue date: | 1984 719 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 198410 3 |
| Completion: | 1984 914 | | |
| Total dept: | 500 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 38 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 500 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 3 | | |
| Level befo: | 18 | | |
| Level duri: | 266 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304760 |

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**AA121**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304816**

| | | | |
|---|---|---|---|
| Object id: | 304816 | County let: | WA |
| Permit: | WA810846 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1984 913 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | SHAFF, JOHN V JR. |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | ANDREW MICHAEL |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CHARLTON | Town dista: | .3 MI |
| Town direc: | N | Road name: | INTER RT56 & DAM 5 |
| Road side: | E | Road dista: | 300 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.634007 | | |
| Lon dec de: | -77.894394 | | |
| Issue date: | 1984 914 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 198410 3 |
| Completion: | 1984 914 | | |
| Total dept: | 300 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 300 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 4 | | |
| Level befo: | 12 | | |
| Level duri: | 114 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304816 |

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**AA122**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396498**

| | | | |
|---|---|---|---|
| Object id: | 396498 | County let: | WA |
| Permit: | WA940141 | Mgs id: | Not Reported |
| B1 seq: | 0726 | B1 recd: | 1995 515 |
| City: | BIG POOL | State: | MD |
| Zip: | Not Reported | Driller na: | PAUL HOFE |
| Driller id: | MWD 394 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 280 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | Not Reported | Lot: | 17 |
| Nearest to: | CLEARSPRING | Town dista: | 2 |
| Town direc: | SW | Road name: | ROUTE 56 |
| Road side: | N | Road dista: | 20 FT |
| Tax map: | 47 | Block: | 1 |
| Parcel: | 332 | | |
| N grid83: | 218770 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.634007 | | |
| Lon dec de: | -77.894394 | | |
| Issue date: | 1995 515 | Special fl: | Not Reported |
| C1 seq: | 2016 | C1 recd: | 1995 6 6 |
| Completion: | 1995 520 | | |
| Total dept: | 100 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 61 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 61 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 61 | | |
| Bottom scr: | 100 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 40 | | |
| Level befo: | 20 | | |
| Level duri: | 80 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396498 |

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**AA123**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396596**

| | | | |
|---|---|---|---|
| Object id: | 396596 | County let: | WA |
| Permit: | WA940070 | Mgs id: | Not Reported |
| B1 seq: | 2668 | B1 recd: | 1995 2 1 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | 21795 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTON GRANTS |
| Section: | Not Reported | Lot: | 14 |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | RT 56 |
| Road side: | N | Road dista: | 35 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.634007 | | |
| Lon dec de: | -77.894394 | | |
| Issue date: | 1995 2 1 | Special fl: | Not Reported |
| C1 seq: | 0768 | C1 recd: | 1995 613 |
| Completion: | 1995 324 | | |
| Total dept: | 245 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 50 | | |
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 50 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 50 | | |
| Bottom scr: | 245 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 6 | | |
| Level befo: | 40 | | |
| Level duri: | 245 | | |
| Test pump : | A | Pump insta: | Y |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396596 |

---

**AA124**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000382960**

| | | | |
|---|---|---|---|
| Object id: | 382960 | County let: | WA |
| Permit: | WA930111 | Mgs id: | Not Reported |
| B1 seq: | 4811 | B1 recd: | 1994 2 4 |
| City: | BERKELEY SPRI | State: | WV |
| Zip: | 25411 | Driller na: | GARY SHAFF |
| Driller id: | MWD 410 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 4 |
| Town direc: | SE | Road name: | CORNER OF DAM 5 RD & |
| Road side: | E | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218770 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.634007 | | |
| Lon dec de: | -77.894394 | | |
| Issue date: | 1994 2 4 | Special fl: | Not Reported |
| C1 seq: | 7470 | C1 recd: | 1994 311 |
| Completion: | 1994 2 5 | | |
| Total dept: | 400 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 63 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 63 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 63 | | |
| Bottom scr: | 400 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 8 | | |
| Level befo: | 40 | | |
| Level duri: | 400 | | |
| Test pump : | A | Pump insta: | Y |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000382960 |

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**AA125**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396397**

| | | | |
|---|---|---|---|
| Object id: | 396397 | County let: | WA |
| Permit: | WA940483 | Mgs id: | Not Reported |
| B1 seq: | 1637 | B1 recd: | 1996 521 |
| City: | BOONSBORO | State: | MD |
| Zip: | 21713 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTON GRANTS |
| Section: | Not Reported | Lot: | 19 |
| Nearest to: | CHARLTON | Town dista: | 1 |
| Town direc: | N | Road name: | CHARLTON COURT |
| Road side: | S | Road dista: | 240 FT |
| Tax map: | 47 | Block: | 1 |
| Parcel: | 332 | | |
| N grid83: | 218770 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.634007 | | |
| Lon dec de: | -77.894394 | | |
| Issue date: | 1996 521 | Special fl: | Not Reported |
| C1 seq: | 5732 | C1 recd: | 1996 729 |
| Completion: | 1996 531 | | |
| Total dept: | 245 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 30 | | |
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 30 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 30 | | |
| Bottom scr: | 245 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 6 | | |
| Level befo: | 30 | | |
| Level duri: | 245 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396397 |

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**AB126**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000449715**

| | | | |
|---|---|---|---|
| Object id: | 449715 | County let: | WA |
| Permit: | WA942198 | Mgs id: | Not Reported |
| B1 seq: | 4137 | B1 recd: | 2001 2 6 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | LEO R HOLLAND JR |
| Driller id: | MSD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RIVERWOOD |
| Section: | Not Reported | Lot: | 10 |
| Nearest to: | CLEARSPRING | Town dista: | 5 |
| Town direc: | SE | Road name: | GIFT |
| Road side: | N | Road dista: | 50 FT |
| Tax map: | 46 | Block: | 12 |
| Parcel: | 343 | | |
| N grid83: | 217855 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.625772 | | |
| Lon dec de: | -77.894289 | | |
| Issue date: | 2001 2 6 | Special fl: | Not Reported |
| C1 seq: | 3222 | C1 recd: | 2001 216 |
| Completion: | 2001 214 | | |
| Total dept: | 145 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 145 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 20 | | |
| Level befo: | 65 | | |
| Level duri: | 145 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000449715 |

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**AB127**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000338630**

| | | | |
|---|---|---|---|
| Object id: | 338630 | County let: | WA |
| Permit: | WA880743 | Mgs id: | Not Reported |
| B1 seq: | 8334 | B1 recd: | 1990 820 |
| City: | IJAMSVILLE | State: | MD |
| Zip: | 21754 | Driller na: | DEAN J. WOODWARD |
| Driller id: | MWD0406 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | T | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RIDGEWOOD ACRES |
| Section: | Not Reported | Lot: | 1 |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | DAM #5 RD. |
| Road side: | E | Road dista: | 25 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217855 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.625772 | | |
| Lon dec de: | -77.894289 | | |
| Issue date: | 1990 820 | Special fl: | N |
| C1 seq: | 9922 | C1 recd: | 199011 1 |
| Completion: | 1990 912 | | |
| Total dept: | 120 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 42 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 42 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 42 | | |
| Bottom scr: | 120 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 30 | | |
| Level befo: | 35 | | |
| Level duri: | 120 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000338630 |

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**AB128**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000450113**

| | | | |
|---|---|---|---|
| Object id: | 450113 | County let: | WA |
| Permit: | WA941760 | Mgs id: | Not Reported |
| B1 seq: | 9818 | B1 recd: | 19991029 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | LEO R HOLLAND JR |
| Driller id: | MSD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | 11317 GIFT RD |
| Section: | Not Reported | Lot: | 8 |
| Nearest to: | CLEARSPRING | Town dista: | 5 |
| Town direc: | SE | Road name: | GIFT RD |
| Road side: | W | Road dista: | 210 FT |
| Tax map: | 46 | Block: | 18 |
| Parcel: | 343 | | |
| N grid83: | 217855 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.625772 | | |
| Lon dec de: | -77.894289 | | |
| Issue date: | 19991029 | Special fl: | Not Reported |
| C1 seq: | 0737 | C1 recd: | 199912 7 |
| Completion: | 199911 5 | | |
| Total dept: | 365 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 65 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 65 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 65 | | |
| Bottom scr: | 365 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 10 | | |
| Level befo: | 60 | | |
| Level duri: | 365 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000450113 |

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**AB129**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000508303**

| | | | |
|---|---|---|---|
| Object id: | 508303 | County let: | WA |
| Permit: | WA944381 | Mgs id: | Not Reported |
| B1 seq: | 8327 | B1 recd: | 2006 2 7 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | GARY SHAFF |
| Driller id: | MSD 170 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | Not Reported |
| Town direc: | SE | Road name: | 11527 DAM 5 RD |
| Road side: | E | Road dista: | 1000FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217855 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.625772 | | |
| Lon dec de: | -77.894289 | | |
| Issue date: | 2006 2 7 | Special fl: | Not Reported |
| C1 seq: | 7461 | C1 recd: | 2006 5 7 |
| Completion: | 2006 2 1 | | |
| Total dept: | 215 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 125 | | |
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 126 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 125 | | |
| Bottom scr: | 215 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 5 | | |
| Pumping ra: | 30 | | |
| Level befo: | 70 | | |
| Level duri: | 215 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000508303 |

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**AB130**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000450208**

| | | | |
|---|---|---|---|
| Object id: | 450208 | County let: | WA |
| Permit: | WA941663 | Mgs id: | Not Reported |
| B1 seq: | 7014 | B1 recd: | 1999 727 |
| City: | HANCOCK | State: | MD |
| Zip: | 21750 | Driller na: | LEO R HOLLAND JR |
| Driller id: | MSD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 7 |
| Nearest to: | CLEARSPRING | Town dista: | 5 |
| Town direc: | SE | Road name: | GIFT RD |
| Road side: | W | Road dista: | 80 FT |
| Tax map: | 46 | Block: | 18 |
| Parcel: | 343 | | |
| N grid83: | 217855 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.625772 | | |
| Lon dec de: | -77.894289 | | |
| Issue date: | 1999 727 | Special fl: | Not Reported |
| C1 seq: | 0816 | C1 recd: | 1999 816 |
| Completion: | 1999 8 2 | | |
| Total dept: | 300 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 60 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 60 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 60 | | |
| Bottom scr: | 300 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 100 | | |
| Level befo: | 40 | | |
| Level duri: | 300 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000450208 |

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**AC131**
**North**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000301563**

| | | | |
|---|---|---|---|
| Object id: | 301563 | County let: | WA |
| Permit: | WA731092 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1975 6 4 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LUCAS, HERBERT G |
| Driller id: | MWD0263 | | |
| Est gpm pr: | 4 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 217 |
| Nearest to: | CLEAR SPRING | Town dista: | 1 MI |
| Town direc: | E | Road name: | ST PAUL RD |
| Road side: | E | Road dista: | 175 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.642106 | | |
| Lon dec de: | -77.912251 | | |
| Issue date: | 1975 6 3 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1975 7 9 |
| Completion: | 1975 618 | | |
| Total dept: | 225 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 20 | | |
| Casing hei: | +02 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 225 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 3 | | |
| Level befo: | 75 | | |
| Level duri: | 205 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301563 |

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**AC132**
**North**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000397156**

| | | | |
|---|---|---|---|
| Object id: | 397156 | County let: | WA |
| Permit: | WA940866 | Mgs id: | Not Reported |
| B1 seq: | 8157 | B1 recd: | 1997 529 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | LEO R HOLLAND |
| Driller id: | MWD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | Y |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 1 |
| Town direc: | SE | Road name: | ASHTON RD |
| Road side: | W | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 321692 | | |
| Lat dec de: | 39.642106 | | |
| Lon dec de: | -77.912251 | | |
| Issue date: | 1997 529 | Special fl: | Not Reported |
| C1 seq: | 3392 | C1 recd: | 1997 6 6 |
| Completion: | 1997 529 | | |
| Total dept: | 105 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 75 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 75 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 75 | | |
| Bottom scr: | 105 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 15 | | |
| Level befo: | 60 | | |
| Level duri: | 105 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397156 |

---

**133**
**North**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000450441**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393832077542701 | | |
| Monloc name: | WA Bg 81 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6423179 |
| Longitude: | -77.9072198 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Rockdale Run Formation | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 196012 | Welldepth: | 132 |
| Welldepth units: | ft | Wellholedepth: | 132 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 0

---

**AA134**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450216**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393802077533901 | | |
| Monloc name: | WA Bg 101 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6339847 |
| Longitude: | -77.8938861 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19750407 | Welldepth: | 145 |
| Welldepth units: | ft | Wellholedepth: | 145 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1975-04-07 | 35.00 | |

---

**135**
**SW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000306474**

| | | | |
|---|---|---|---|
| Object id: | 306474 | County let: | WA |
| Permit: | WA812564 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19881229 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21722 | Driller na: | WOODWARD, DEAN J |
| Driller id: | MWD0406 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | NELLIEC STRITE |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 MI |
| Town direc: | S | Road name: | DAM 5 RD |
| Road side: | S | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217246 | | |
| E grid83: | 321083 | | |
| Lat dec de: | 39.620091 | | |
| Lon dec de: | -77.919066 | | |
| Issue date: | 198812 7 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1989 4 3 |
| Completion: | 1989 123 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 55 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 55 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 55 | | |
| Bottom scr: | 125 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 4 | | |
| Pumping ra: | 60 | | |
| Level befo: | 40 | | |
| Level duri: | 125 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000306474 |

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**AD136**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000300141**

| | | | |
|---|---|---|---|
| Object id: | 300141 | County let: | WA |
| Permit: | WA710278 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1971 6 9 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 MI |
| Town direc: | E | Road name: | ST PAULS RD |
| Road side: | Not Reported | Road dista: | 175 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 1971 6 8 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1971 819 |
| Completion: | 1971 621 | | |
| Total dept: | 270 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 20 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 270 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 50 | | |
| Level befo: | 25 | | |
| Level duri: | 265 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000300141 |

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**AD137**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000300570**

| | | | |
|---|---|---|---|
| Object id: | 300570 | County let: | WA |
| Permit: | WA730098 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1972 926 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 MI |
| Town direc: | SE | Road name: | ST PAULS RD |
| Road side: | W | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 1972 925 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1973 1 2 |
| Completion: | 197211 3 | | |
| Total dept: | 345 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 35 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 35 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 35 | | |
| Bottom scr: | 345 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 2 | | |
| Level befo: | 40 | | |
| Level duri: | 300 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000300570 |

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**AD138**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000300729**

| | | | |
|---|---|---|---|
| Object id: | 300729 | County let: | WA |
| Permit: | WA730257 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1973 327 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | PINESBURG | Town dista: | 2 MI |
| Town direc: | NW | Road name: | ST PAULS RD |
| Road side: | W | Road dista: | 30 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 1973 323 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 197310 4 |
| Completion: | 1973 423 | | |
| Total dept: | 225 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 35 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 35 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 35 | | |
| Bottom scr: | 225 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 20 | | |
| Level befo: | 50 | | |
| Level duri: | 220 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000300729 |

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**AD139**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000299673**

| | | | |
|---|---|---|---|
| Object id: | 299673 | County let: | WA |
| Permit: | WA700147 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 196911 3 |
| City: | CLEARSPRING | State: | MD |
| Zip: | Not Reported | Driller na: | SHAFF, JOHN V JR |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | F | | |
| Approx dep: | 100 | | |
| Drill meth: | ROTARY | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2 MI |
| Town direc: | E | Road name: | RT 40 |
| Road side: | N | Road dista: | 300 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 19691030 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 196912 4 |
| Completion: | 19691110 | | |
| Total dept: | 200 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | Not Reported | | |
| Grout top: | 3 | | |
| Grout bott: | 20 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 27 | | |
| Casing hei: | +03 | Screen typ: | HO |
| Top screen: | 27 | | |
| Bottom scr: | 200 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 30 | | |
| Level befo: | 60 | | |
| Level duri: | 120 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000299673 |

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**AD140**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000299856**

| | | | |
|---|---|---|---|
| Object id: | 299856 | County let: | WA |
| Permit: | WA700330 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1970 617 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2.5 MI |
| Town direc: | E | Road name: | ST PAUL RD |
| Road side: | E | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 1970 616 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1970 7 9 |
| Completion: | 1970 7 2 | | |
| Total dept: | 265 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 265 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 10 | | |
| Level befo: | 40 | | |
| Level duri: | 260 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000299856 |

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**AD141**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000299920**

| | | | |
|---|---|---|---|
| Object id: | 299920 | County let: | WA |
| Permit: | WA710058 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1970 831 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | CROMWELL, C A & SONS |
| Driller id: | MWD0217 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | F | | |
| Approx dep: | 125 | | |
| Drill meth: | ROTARY | Replacemen: | S |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 4 MI |
| Town direc: | E | Road name: | ST PAUL ROAD |
| Road side: | W | Road dista: | 500 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 1970 826 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 197012 7 |
| Completion: | 1970 925 | | |
| Total dept: | 85 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 85 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 25 | | |
| Level befo: | 20 | | |
| Level duri: | 70 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000299920 |

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**AD142**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000302645**

| | | | |
|---|---|---|---|
| Object id: | 302645 | County let: | WA |
| Permit: | WA732174 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19771219 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LUCAS, HERBERT G |
| Driller id: | MWD0263 | | |
| Est gpm pr: | 4 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 MI |
| Town direc: | E | Road name: | ST PAULS RD |
| Road side: | W | Road dista: | 75 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 19771213 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1978 418 |
| Completion: | 1978 4 5 | | |
| Total dept: | 160 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 3 | | |
| Grout bott: | 21 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 160 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 7 | | |
| Level befo: | 30 | | |
| Level duri: | 140 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000302645 |

---

**AD143**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000303247**

| | | | |
|---|---|---|---|
| Object id: | 303247 | County let: | WA |
| Permit: | WA732777 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1979 5 7 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | Not Reported | Driller na: | WOODWARD, DENIS H |
| Driller id: | MWD0258 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 24 |
| Nearest to: | CLEAR SPRING | Town dista: | 3 MI |
| Town direc: | E | Road name: | ST PAULS RD |
| Road side: | W | Road dista: | 35 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 1979 430 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1979 628 |
| Completion: | 1979 618 | | |
| Total dept: | 250 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 35 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 35 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 35 | | |
| Bottom scr: | 250 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 3 | | |
| Level befo: | 40 | | |
| Level duri: | 250 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000303247 |

---

**AD144**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000543651**

| | | | |
|---|---|---|---|
| Object id: | 543651 | County let: | WA |
| Permit: | WA950603 | Mgs id: | Not Reported |
| B1 seq: | 2507 | B1 recd: | 2011 828 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | ROBERT HILL |
| Driller id: | MSD 209 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | 11654 ST PAUL RD |
| Section: | Not Reported | Lot: | 17 |
| Nearest to: | CLEAR SPRING | Town dista: | Not Reported |
| Town direc: | Not Reported | Road name: | 11654 ST PAUL RD |
| Road side: | E | Road dista: | 1500FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 2011 9 1 | Special fl: | Not Reported |
| C1 seq: | 1549 | C1 recd: | 201111 1 |
| Completion: | 2011 9 2 | | |
| Total dept: | 800 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Y | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 41 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 42 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 41 | | |
| Bottom scr: | 800 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 1 | | |
| Level befo: | 58 | | |
| Level duri: | 800 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000543651 |

---

**AD145**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000301004**

| | | | |
|---|---|---|---|
| Object id: | 301004 | County let: | WA |
| Permit: | WA730532 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 197312 4 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 MI |
| Town direc: | SE | Road name: | ST PAUL RD |
| Road side: | W | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 197312 2 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1974 227 |
| Completion: | 19731226 | | |
| Total dept: | 65 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 60 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 60 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 60 | | |
| Bottom scr: | 65 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 10 | | |
| Level befo: | 40 | | |
| Level duri: | 65 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301004 |

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**AD146**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000301392**

| | | | |
|---|---|---|---|
| Object id: | 301392 | County let: | WA |
| Permit: | WA730921 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19741024 |
| City: | CLEARSPRING | State: | MD |
| Zip: | Not Reported | Driller na: | LAMBERSON WELL CO |
| Driller id: | MWD0103 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 1.50MI |
| Town direc: | SE | Road name: | ST PAUL RD |
| Road side: | E | Road dista: | 75 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 19741024 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1975 8 5 |
| Completion: | 1975 2 4 | | |
| Total dept: | 285 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 25 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 25 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 25 | | |
| Bottom scr: | 285 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 11 | | |
| Level befo: | 35 | | |
| Level duri: | 270 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000301392 |

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**AD147**
**NNE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000302525**

| | | | |
|---|---|---|---|
| Object id: | 302525 | County let: | WA |
| Permit: | WA732053 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1977 9 9 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | Not Reported | Driller na: | WOODWARD, DENIS H |
| Driller id: | MWD0258 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 3 MI |
| Town direc: | SE | Road name: | ST PAULS |
| Road side: | W | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 219684 | | |
| E grid83: | 322302 | | |
| Lat dec de: | 39.642161 | | |
| Lon dec de: | -77.90515 | | |
| Issue date: | 1977 9 6 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 197711 9 |
| Completion: | 19771021 | | |
| Total dept: | 105 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 98 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 98 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 98 | | |
| Bottom scr: | 105 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 40 | | |
| Level befo: | 55 | | |
| Level duri: | 65 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000302525 |

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**AE148**
**NE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000501274**

| | | | |
|---|---|---|---|
| Object id: | 501274 | County let: | WA |
| Permit: | WA944266 | Mgs id: | Not Reported |
| B1 seq: | 1755 | B1 recd: | 2005 825 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | NEIL NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | AD FULTON |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 13678 CLEAR SPRING RD |
| Road side: | N | Road dista: | 70 FT |
| Tax map: | 46 | Block: | 6 |
| Parcel: | 348 | | |
| N grid83: | 219379 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.63947 | | |
| Lon dec de: | -77.898014 | | |
| Issue date: | 2005 826 | Special fl: | Not Reported |
| C1 seq: | 0022 | C1 recd: | 2005 9 8 |
| Completion: | 2005 7 7 | | |
| Total dept: | 320 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 99 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 100 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 99 | | |
| Bottom scr: | 320 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 8 | | |
| Level befo: | 50 | | |
| Level duri: | 300 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000501274 |

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**AE149**
**NE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000508854**

| | | | |
|---|---|---|---|
| Object id: | 508854 | County let: | Not Reported |
| Permit: | WA944252 | Mgs id: | Not Reported |
| B1 seq: | 5434 | B1 recd: | 2005 817 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | CHARLIE BURCKER |
| Driller id: | MSD 133 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 400 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | S | Road name: | 13672 CLEAR SPRING R |
| Road side: | S | Road dista: | 400 FT |
| Tax map: | 46 | Block: | 6 |
| Parcel: | 348 | | |
| N grid83: | 219379 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.63947 | | |
| Lon dec de: | -77.898014 | | |
| Issue date: | 2005 818 | Special fl: | Not Reported |
| C1 seq: | 0006 | C1 recd: | 2006 613 |
| Completion: | 2005 912 | | |
| Total dept: | 485 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 40 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 485 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 30 | | |
| Pumping ra: | 30 | | |
| Level befo: | 440 | | |
| Level duri: | 40 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000508854 |

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**150**
**WNW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000450182**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393759077553301 | | |
| Monloc name: | WA Bf 54 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6331513 |
| Longitude: | -77.9255536 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19770409 | Welldepth: | 325 |
| Welldepth units: | ft | Wellholedepth: | 325 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1977-04-09 | 100.00 | |

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**AF151**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450180**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393759077533502 | | |
| Monloc name: | WA Bg 100 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6331514 |
| Longitude: | -77.892775 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19840914 | Welldepth: | 300 |
| Welldepth units: | ft | Wellholedepth: | 300 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1984-09-14 | 12.00 | |

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**AF152**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450179**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393759077533501 | | |
| Monloc name: | WA Bg 99 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6331514 |
| Longitude: | -77.892775 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19840917 | Welldepth: | 500 |
| Welldepth units: | ft | Wellholedepth: | 500 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1984-09-17 | 18.00 | |

---

**AG153**
**SE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000306577**

| | | | |
|---|---|---|---|
| Object id: | 306577 | County let: | WA |
| Permit: | WA812692 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1989 330 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | SHAFF, JOHN V JR. |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 1 |
| Nearest to: | CHARLTON | Town dista: | 1 MI |
| Town direc: | S | Road name: | DAM #5 RD |
| Road side: | E | Road dista: | 200 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217246 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.620255 | | |
| Lon dec de: | -77.897769 | | |
| Issue date: | 1989 330 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1989 5 3 |
| Completion: | 1989 412 | | |
| Total dept: | 300 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 48 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 50 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 49 | | |
| Bottom scr: | 300 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 10 | | |
| Level befo: | 38 | | |
| Level duri: | 79 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000306577 |

---

**AG154**
**SE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000485323**

| | | | |
|---|---|---|---|
| Object id: | 485323 | County let: | Not Reported |
| Permit: | WA943824 | Mgs id: | Not Reported |
| B1 seq: | 1524 | B1 recd: | 2004 7 7 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | GARY SHAFF |
| Driller id: | MSD 170 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | KENNETH & BETTY JOE |
| Section: | Not Reported | Lot: | 4 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | DAM 5 RD |
| Road side: | E | Road dista: | 75 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217246 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.620255 | | |
| Lon dec de: | -77.897769 | | |
| Issue date: | 2004 7 7 | Special fl: | Not Reported |
| C1 seq: | 7804 | C1 recd: | 2004 826 |
| Completion: | 2004 730 | | |
| Total dept: | 250 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 41 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 42 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 42 | | |
| Bottom scr: | 250 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 5 | | |
| Pumping ra: | 50 | | |
| Level befo: | 20 | | |
| Level duri: | 250 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000485323 |

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**AG155**
**SE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000490896**

| | | | |
|---|---|---|---|
| Object id: | 490896 | County let: | Not Reported |
| Permit: | WA944017 | Mgs id: | Not Reported |
| B1 seq: | 1434 | B1 recd: | 20041119 |
| City: | CLEARSPRING | State: | MD |
| Zip: | 21722 | Driller na: | GEORGE F EASTERDAY |
| Driller id: | MWD 40 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | G | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 11209 DAM ROAD |
| Road side: | E | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 217246 | | |
| E grid83: | 322912 | | |
| Lat dec de: | 39.620255 | | |
| Lon dec de: | -77.897769 | | |
| Issue date: | 20041118 | Special fl: | Not Reported |
| C1 seq: | 0338 | C1 recd: | 2005 316 |
| Completion: | 20041216 | | |
| Total dept: | 280 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 280 | | |

| | | | |
|---|---|---|---|
| Casing typ: | PL | | |
| Casing dia: | 6 | | |
| Casing dep: | 20 | | |
| Casing hei: | Not Reported | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | A | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000490896 |

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**156**
**NNW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000450450**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393833077545201 | | |
| Monloc name: | WA Bg 44 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6425956 |
| Longitude: | -77.9141645 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 545. |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Mountain Wash | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19681214 | Welldepth: | 100 |
| Welldepth units: | ft | Wellholedepth: | 100 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1968-12-14 | 60 | |

**AH157**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396930**

| | | | |
|---|---|---|---|
| Object id: | 396930 | County let: | WA |
| Permit: | WA941115 | Mgs id: | Not Reported |
| B1 seq: | 8083 | B1 recd: | 1998 217 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | Not Reported | Lot: | 8 |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | SE | Road name: | 11761 DAM NO 5 ROAD |
| Road side: | E | Road dista: | 15 FT |
| Tax map: | 47 | Block: | 1 |
| Parcel: | 332 | | |
| N grid83: | 219074 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.636752 | | |
| Lon dec de: | -77.894429 | | |
| Issue date: | 1998 217 | Special fl: | Not Reported |
| C1 seq: | 3651 | C1 recd: | 1998 422 |
| Completion: | 1998 4 1 | | |
| Total dept: | 323 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 41 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 42 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 41 | | |
| Bottom scr: | 323 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 5 | | |
| Level befo: | 40 | | |
| Level duri: | 300 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396930 |

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**AH158**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000389656**

| | | | |
|---|---|---|---|
| Object id: | 389656 | County let: | WA |
| Permit: | WA940647 | Mgs id: | Not Reported |
| B1 seq: | 1521 | B1 recd: | 199610 7 |
| City: | BOONSBORO | State: | MD |
| Zip: | 21713 | Driller na: | DEAN J WOODWARD |
| Driller id: | MSD 110 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | Not Reported | Lot: | 10 |
| Nearest to: | CHARLTON | Town dista: | 1 |
| Town direc: | N | Road name: | CHARLTON COURT |
| Road side: | N | Road dista: | 250 FT |
| Tax map: | 47 | Block: | 1 |
| Parcel: | 332 | | |
| N grid83: | 219074 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.636752 | | |
| Lon dec de: | -77.894429 | | |
| Issue date: | 199610 7 | Special fl: | Not Reported |
| C1 seq: | 0164 | C1 recd: | 19961224 |
| Completion: | 19961013 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 55 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 55 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 55 | | |
| Bottom scr: | 125 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 100 | | |
| Level befo: | 40 | | |
| Level duri: | 125 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000389656 |

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**AH159**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000397554**

| | | | |
|---|---|---|---|
| Object id: | 397554 | County let: | WA |
| Permit: | WA941568 | Mgs id: | Not Reported |
| B1 seq: | 9764 | B1 recd: | 1999 510 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | JOSEPH GEHR |
| Section: | Not Reported | Lot: | 4 |
| Nearest to: | CLEARSPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | 13719 CLEARSPRING RD |
| Road side: | S | Road dista: | 500 FT |
| Tax map: | 46 | Block: | 6 |
| Parcel: | 213 | | |
| N grid83: | 219074 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.636752 | | |
| Lon dec de: | -77.894429 | | |
| Issue date: | 1999 510 | Special fl: | Not Reported |
| C1 seq: | 3056 | C1 recd: | 1999 614 |
| Completion: | 1999 6 2 | | |
| Total dept: | 290 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 99 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 100 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 99 | | |
| Bottom scr: | 290 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 50 | | |
| Level befo: | 100 | | |
| Level duri: | 200 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397554 |

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**AH160**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000450029**

| | | | |
|---|---|---|---|
| Object id: | 450029 | County let: | WA |
| Permit: | WA941870 | Mgs id: | Not Reported |
| B1 seq: | 7180 | B1 recd: | 2000 316 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | CHARLIE BURCKER |
| Driller id: | MSD 133 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | Not Reported | Lot: | 6 |
| Nearest to: | HAGERSTOWN-CLEARSPRI | Town dista: | .6 |
| Town direc: | W | Road name: | ROUTE DAM 5 |
| Road side: | W | Road dista: | 300 FT |
| Tax map: | 47 | Block: | 1 |
| Parcel: | 332 | | |
| N grid83: | 219074 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.636752 | | |
| Lon dec de: | -77.894429 | | |
| Issue date: | 2000 315 | Special fl: | Not Reported |
| C1 seq: | 0473 | C1 recd: | 2000 4 3 |
| Completion: | 2000 328 | | |
| Total dept: | 500 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 63 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 63 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 63 | | |
| Bottom scr: | 500 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 30 | | |
| Level befo: | 480 | | |
| Level duri: | 480 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000450029 |

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**AH161**
**ENE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000397921**

| | | | |
|---|---|---|---|
| Object id: | 397921 | County let: | WA |
| Permit: | WA941481 | Mgs id: | Not Reported |
| B1 seq: | 8466 | B1 recd: | 1999 2 3 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | CHARLES BURCKER |
| Driller id: | MSD 133 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 400 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | CHARLTONS GRANT |
| Section: | Not Reported | Lot: | 7 |
| Nearest to: | CLEARSPRING | Town dista: | 4 |
| Town direc: | T | Road name: | DAM 5 RD |
| Road side: | E | Road dista: | 300 FT |
| Tax map: | 47 | Block: | 1 |
| Parcel: | 332 | | |
| N grid83: | 219074 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.636752 | | |
| Lon dec de: | -77.894429 | | |
| Issue date: | 1999 2 3 | Special fl: | Not Reported |
| C1 seq: | 3253 | C1 recd: | 1999 219 |
| Completion: | 1999 215 | | |
| Total dept: | 125 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 41 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 41 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 41 | | |
| Bottom scr: | 175 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 15 | | |
| Level befo: | 100 | | |
| Level duri: | 100 | | |
| Test pump : | A | Pump insta: | N |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397921 |

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**162**
**West**
**1/2 - 1 Mile**
**Higher**

**MD WELLS** **MD7000000304300**

| | | | |
|---|---|---|---|
| Object id: | 304300 | County let: | WA |
| Permit: | WA810329 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 198211 8 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | Not Reported | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 150 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 17 |
| Nearest to: | BIG SPRING | Town dista: | .8 MI |
| Town direc: | NE | Road name: | RT 56 |
| Road side: | S | Road dista: | 700 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 320473 | | |
| Lat dec de: | 39.631015 | | |
| Lon dec de: | -77.926309 | | |
| Issue date: | 198211 3 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1983 112 |
| Completion: | 19821210 | | |
| Total dept: | 205 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 32 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 33 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 33 | | |
| Bottom scr: | 205 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 8 | | |
| Level befo: | 60 | | |
| Level duri: | 165 | | |
| Test pump : | A | Pump insta: | Not Reported |

| | | | |
|---|---|---|---|
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304300 |

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**AI163**
**ENE** **FED USGS** **USGS40000450248**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393807077533701 | | |
| Monloc name: | WA Bg 169 | | |
| Monloc type: | Well | | |
| Monloc desc: | CAVERN | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6353736 |
| Longitude: | -77.8933306 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 497 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19950324 | Welldepth: | 445 |
| Welldepth units: | ft | Wellholedepth: | 445 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1995-03-24 | 30 | |

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**AI164**
**ENE** **FED USGS** **USGS40000450249**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393807077533702 | | |
| Monloc name: | WA Bg 173 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6353736 |
| Longitude: | -77.8933306 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 495 |
| Vert measure units: | feet | Vertacc measure val: | 1 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19960531 | Welldepth: | 245 |
| Welldepth units: | ft | Wellholedepth: | 245 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1996-05-31 | 30 | |

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**AJ165**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000397907**

| | | | |
|---|---|---|---|
| Object id: | 397907 | County let: | WA |
| Permit: | WA941496 | Mgs id: | Not Reported |
| B1 seq: | 0468 | B1 recd: | 1999 224 |
| City: | BIG POOL | State: | MD |
| Zip: | Not Reported | Driller na: | LEO R HOLLAND JR |
| Driller id: | MSD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RIVERWOOD |
| Section: | Not Reported | Lot: | 9 |
| Nearest to: | CLEARSPRING | Town dista: | 4 |
| Town direc: | SW | Road name: | GIFT ROAD |
| Road side: | W | Road dista: | 500 FT |
| Tax map: | 47 | Block: | 14 |
| Parcel: | 77 | | |
| N grid83: | 217550 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.623027 | | |
| Lon dec de: | -77.894255 | | |
| Issue date: | 1999 224 | Special fl: | Not Reported |
| C1 seq: | 3268 | C1 recd: | 1999 319 |
| Completion: | 1999 3 4 | | |
| Total dept: | 245 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 40 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 245 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 8 | | |
| Level befo: | 50 | | |
| Level duri: | 245 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000397907 |

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**AJ166**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396906**

| | | | |
|---|---|---|---|
| Object id: | 396906 | County let: | WA |
| Permit: | WA941139 | Mgs id: | Not Reported |
| B1 seq: | 4507 | B1 recd: | 1998 311 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | LEO R HOLLAND |
| Driller id: | MWD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RIVERWOOD |
| Section: | Not Reported | Lot: | 3 |
| Nearest to: | CLEARSPRING | Town dista: | 6 |
| Town direc: | SE | Road name: | GIFT ROAD |
| Road side: | S | Road dista: | 200 FT |
| Tax map: | 46 | Block: | 12 |
| Parcel: | 359 | | |
| N grid83: | 217550 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.623027 | | |
| Lon dec de: | -77.894255 | | |
| Issue date: | 1998 311 | Special fl: | Not Reported |
| C1 seq: | 3583 | C1 recd: | 1998 4 3 |
| Completion: | 1998 323 | | |
| Total dept: | 145 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 25 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 25 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 85 | | |
| Bottom scr: | 145 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | T |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 30 | | |
| Level befo: | 25 | | |
| Level duri: | 145 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396906 |

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**AJ167**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000449772**

| | | | |
|---|---|---|---|
| Object id: | 449772 | County let: | WA |
| Permit: | WA942138 | Mgs id: | Not Reported |
| B1 seq: | 3596 | B1 recd: | 200011 2 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | CHARLIE BURCKER |
| Driller id: | MSD 133 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RIVERWOOD |
| Section: | Not Reported | Lot: | 5 |
| Nearest to: | CLEAR SPRING | Town dista: | 4 |
| Town direc: | E | Road name: | GIFT RD |
| Road side: | E | Road dista: | 300 FT |
| Tax map: | 46 | Block: | 18 |
| Parcel: | 343 | | |
| N grid83: | 217550 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.623027 | | |
| Lon dec de: | -77.894255 | | |
| Issue date: | 200011 2 | Special fl: | Not Reported |
| C1 seq: | 9152 | C1 recd: | 200012 1 |
| Completion: | 20001114 | | |
| Total dept: | 145 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 84 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 84 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 84 | | |
| Bottom scr: | 145 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 12 | | |
| Level befo: | 110 | | |
| Level duri: | 0 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000449772 |

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**AJ168**
**ESE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000449693**

| | | | |
|---|---|---|---|
| Object id: | 449693 | County let: | WA |
| Permit: | WA942243 | Mgs id: | Not Reported |
| B1 seq: | 7984 | B1 recd: | 2001 322 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | Not Reported | Driller na: | JOHN A SHAFF |
| Driller id: | MSD 11 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | RIVERWOOD |
| Section: | Not Reported | Lot: | 11 |
| Nearest to: | CLEAR SPRING | Town dista: | 3 |
| Town direc: | NW | Road name: | GIFT RD |
| Road side: | E | Road dista: | 40 FT |
| Tax map: | 46 | Block: | 12 |
| Parcel: | 343 | | |
| N grid83: | 217550 | | |
| E grid83: | 323216 | | |
| Lat dec de: | 39.623027 | | |
| Lon dec de: | -77.894255 | | |
| Issue date: | 2001 322 | Special fl: | Not Reported |
| C1 seq: | 3556 | C1 recd: | 2001 525 |
| Completion: | 2001 424 | | |
| Total dept: | 300 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 59 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 60 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 59 | | |
| Bottom scr: | 300 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | F | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 5 | | |
| Level befo: | 41 | | |
| Level duri: | 275 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000449693 |

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**AK169**
**SSW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000305797**

| | | | |
|---|---|---|---|
| Object id: | 305797 | County let: | WA |
| Permit: | WA811830 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1987 429 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | WOODWARD, DEAN J |
| Driller id: | MWD0406 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | J PRESTON SHUPP |
| Section: | Not Reported | Lot: | 9 |
| Nearest to: | CLEAR SPRING | Town dista: | 2.7 MI |
| Town direc: | SE | Road name: | GRUBER RD |
| Road side: | E | Road dista: | 200 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 216941 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.617373 | | |
| Lon dec de: | -77.915481 | | |
| Issue date: | 1987 5 1 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1987 617 |
| Completion: | 1987 521 | | |
| Total dept: | 500 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 80 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 80 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 80 | | |
| Bottom scr: | 500 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 5 | | |
| Pumping ra: | 2 | | |
| Level befo: | 70 | | |
| Level duri: | 500 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000305797 |

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**AK170**
**SSW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000305055**

| | | | |
|---|---|---|---|
| Object id: | 305055 | County let: | WA |
| Permit: | WA811086 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1985 6 1 |
| City: | WILLIAMSPORT | State: | MD |
| Zip: | 21795 | Driller na: | TEACH, KENNETH LEROY |
| Driller id: | MWD0224 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | CHA |
| Nearest to: | RLTON | Town dista: | 1.3 MI |
| Town direc: | SW | Road name: | GRUBER |
| Road side: | N | Road dista: | 100 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 216941 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.617373 | | |
| Lon dec de: | -77.915481 | | |
| Issue date: | 1985 7 3 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1985 729 |
| Completion: | 1985 725 | | |
| Total dept: | 350 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 21 | | |
| Bottom scr: | 350 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 10 | | |
| Level befo: | 50 | | |
| Level duri: | 80 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | S | | |
| Capacity: | 8 | | |
| Pump hp: | 25 | | |
| Column len: | 300 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000305055 |

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**AK171**
**SSW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000305835**

| | | | |
|---|---|---|---|
| Object id: | 305835 | County let: | WA |
| Permit: | WA811868 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1987 615 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | NEGLEY, NEIL |
| Driller id: | MWD0387 | | |
| Est gpm pr: | 7 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 2.8 MI |
| Town direc: | S | Road name: | GRUBER RD |
| Road side: | E | Road dista: | 450 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 216941 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.617373 | | |
| Lon dec de: | -77.915481 | | |
| Issue date: | 1987 615 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1987 728 |
| Completion: | 1987 714 | | |
| Total dept: | 160 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 120 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 120 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 119 | | |
| Bottom scr: | 160 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 12 | | |
| Level befo: | 55 | | |
| Level duri: | 110 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000305835 |

---

**AK172**
**SSW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000450914**

| | | | |
|---|---|---|---|
| Object id: | 450914 | County let: | WA |
| Permit: | WA942396 | Mgs id: | Not Reported |
| B1 seq: | 3929 | B1 recd: | 2001 8 2 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21742 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEARSPRING | Town dista: | 3.5 |
| Town direc: | S | Road name: | 13170 GRUBER RD |
| Road side: | E | Road dista: | 60 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 216941 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.617373 | | |
| Lon dec de: | -77.915481 | | |
| Issue date: | 2001 8 2 | Special fl: | Not Reported |
| C1 seq: | 7632 | C1 recd: | 2001 926 |
| Completion: | 2001 918 | | |
| Total dept: | 140 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 108 | | |

| | | | |
|---|---|---|---|
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 109 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 108 | | |
| Bottom scr: | 140 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 17 | | |
| Level befo: | 50 | | |
| Level duri: | 100 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000450914 |

---

**AK173**
**SSW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000449664**

| | | | |
|---|---|---|---|
| Object id: | 449664 | County let: | WA |
| Permit: | WA942254 | Mgs id: | Not Reported |
| B1 seq: | 3412 | B1 recd: | 2001 4 9 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21742 | Driller na: | LEO R HOLLAND JR |
| Driller id: | MSD 101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 500 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CLEAR SPRING | Town dista: | 5 |
| Town direc: | SE | Road name: | GRUBER |
| Road side: | E | Road dista: | 50 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 216941 | | |
| E grid83: | 321388 | | |
| Lat dec de: | 39.617373 | | |
| Lon dec de: | -77.915481 | | |
| Issue date: | 2001 4 9 | Special fl: | Not Reported |
| C1 seq: | 9999 | C1 recd: | 0 |
| Completion: | 0 | | |
| Total dept: | 0 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Not Reported |
| Grout type: | Not Reported | | |
| Grout top: | 0 | | |
| Grout bott: | 0 | | |

| | | | |
|---|---|---|---|
| Casing typ: | Not Reported | | |
| Casing dia: | 0 | | |
| Casing dep: | 0 | | |
| Casing hei: | Not Reported | Screen typ: | Not Reported |
| Top screen: | 0 | | |
| Bottom scr: | 0 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 0 | | |
| Pumping ra: | 0 | | |
| Level befo: | 0 | | |
| Level duri: | 0 | | |
| Test pump : | Not Reported | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | C | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000449664 |

---

**AF174**
**ENE** **FED USGS** **USGS40000450215**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393802077533301 | | |
| Monloc name: | WA Bg 98 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6339847 |
| Longitude: | -77.8922194 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19840107 | Welldepth: | 385 |
| Welldepth units: | ft | Wellholedepth: | 385 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1984-01-07 | 45.00 | |

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**AF175**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450214**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393802077533201 | | |
| Monloc name: | WA Bg 97 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6339847 |
| Longitude: | -77.8919416 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19831008 | Welldepth: | 230 |
| Welldepth units: | ft | Wellholedepth: | 230 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1983-10-08 | 16.00 | |

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**AL176**
**SSE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000307169**

| | | | |
|---|---|---|---|
| Object id: | 307169 | County let: | WA |
| Permit: | WA881207 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 199110 4 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | SHAFF, JOHN V JR. |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 250 | | |
| Drill meth: | AIR-PER | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | KENNETH KRINER |
| Section: | Not Reported | Lot: | 2 |
| Nearest to: | CHARLTON | Town dista: | 2 MI |
| Town direc: | S | Road name: | DAM 5 |
| Road side: | E | Road dista: | 75 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 216941 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.617482 | | |
| Lon dec de: | -77.901284 | | |
| Issue date: | 199110 4 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 19911118 |
| Completion: | 199110 9 | | |
| Total dept: | 550 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 85 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 90 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 89 | | |
| Bottom scr: | 550 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 4 | | |
| Level befo: | 29 | | |
| Level duri: | 236 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000307169 |

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**AL177**
**SSE**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000396775**

| | | | |
|---|---|---|---|
| Object id: | 396775 | County let: | WA |
| Permit: | WA941262 | Mgs id: | Not Reported |
| B1 seq: | 8481 | B1 recd: | 1998 619 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | NEIL C NEGLEY |
| Driller id: | MWD 387 | | |
| Est gpm pr: | 6 | | |
| Use for wa: | DW | | |
| Approx dep: | 350 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |

| | | | |
|---|---|---|---|
| Wapid: | Not Reported | Subdivisio: | KRINER |
| Section: | Not Reported | Lot: | 3 |
| Nearest to: | CLEAR SPRING | Town dista: | 4 |
| Town direc: | SE | Road name: | 11215 DAM NO 5 ROAD |
| Road side: | E | Road dista: | 40 FT |
| Tax map: | 46 | Block: | 18 |
| Parcel: | 325 | | |
| N grid83: | 216941 | | |
| E grid83: | 322607 | | |
| Lat dec de: | 39.617482 | | |
| Lon dec de: | -77.901284 | | |
| Issue date: | 1998 622 | Special fl: | Not Reported |
| C1 seq: | 3791 | C1 recd: | 1998 8 3 |
| Completion: | 1998 724 | | |
| Total dept: | 298 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 39 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 39 | | |
| Bottom scr: | 298 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 1 | | |
| Pumping ra: | 20 | | |
| Level befo: | 30 | | |
| Level duri: | 250 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000396775 |

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**178**
**SSW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000449648**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393659077545001 | | |
| Monloc name: | WA Bg 163 | | |
| Monloc type: | Well | | |
| Monloc desc: | FRACTURE & CAVERN | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.616485 |
| Longitude: | -77.9136088 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 440 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19870720 | Welldepth: | 174 |
| Welldepth units: | ft | Wellholedepth: | 174 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1987-07-20 | 74 | |

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**179**
**NE**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40000450325**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393816077534001 | | |
| Monloc name: | WA Bg 76 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6378735 |
| Longitude: | -77.8941639 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 490.00 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19751215 | Welldepth: | 125 |
| Welldepth units: | ft | Wellholedepth: | 125 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1975-12-15 | 45.00 | |

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**AI180**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450258**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393808077533401 | | |
| Monloc name: | WA Bg 170 | | |
| Monloc type: | Well | | |
| Monloc desc: | CAVERN & FRACTURE | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6356514 |
| Longitude: | -77.8924972 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 502 |
| Vert measure units: | feet | Vertacc measure val: | 1 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19940815 | Welldepth: | 423 |
| Welldepth units: | ft | Wellholedepth: | 423 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1994-08-15 | 50 | |

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**AI181**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000450259**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-MD | | |
| Formal name: | USGS Maryland Water Science Center | | |
| Monloc Identifier: | USGS-393808077533402 | | |
| Monloc name: | WA Bg 172 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 02070004 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 39.6356514 |
| Longitude: | -77.8924972 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 502 |
| Vert measure units: | feet | Vertacc measure val: | 1 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Valley and Ridge aquifers | | |
| Formation type: | Conococheague Limestone | | |

| | | | |
|---|---|---|---|
| Aquifer type: | Not Reported | | |
| Construction date: | 19950106 | Welldepth: | 300 |
| Welldepth units: | ft | Wellholedepth: | 300 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1995-01-06 | 28 | |

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**AM182**
**East**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000486174**

| | | | |
|---|---|---|---|
| Object id: | 486174 | County let: | Not Reported |
| Permit: | WA943721 | Mgs id: | Not Reported |
| B1 seq: | 4821 | B1 recd: | 2004 510 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | GARY SHAFF |
| Driller id: | MSD 170 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CLEAR SPRING | Town dista: | 1 |
| Town direc: | SE | Road name: | RT 56 |
| Road side: | S | Road dista: | 250 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 323521 | | |
| Lat dec de: | 39.631289 | | |
| Lon dec de: | -77.890809 | | |
| Issue date: | 2004 518 | Special fl: | Not Reported |
| C1 seq: | 7236 | C1 recd: | 2004 7 7 |
| Completion: | 2004 6 8 | | |
| Total dept: | 625 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 83 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 84 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 83 | | |
| Bottom scr: | 625 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |

| | | | |
|---|---|---|---|
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 8 | | |
| Level befo: | 60 | | |
| Level duri: | 625 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000486174 |

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**AM183**
**East**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304910**

| | | | |
|---|---|---|---|
| Object id: | 304910 | County let: | WA |
| Permit: | WA810940 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 19841231 |
| City: | HAGERSTOWN | State: | MD |
| Zip: | 21740 | Driller na: | HOLLAND, LEO JR. |
| Driller id: | MWD0101 | | |
| Est gpm pr: | 10 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-ROT | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | PINESBURG | Town dista: | 2.0 MI |
| Town direc: | W | Road name: | RT 56 |
| Road side: | S | Road dista: | 70 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 323521 | | |
| Lat dec de: | 39.631289 | | |
| Lon dec de: | -77.890809 | | |
| Issue date: | 1985 1 2 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1985 122 |
| Completion: | 1984 1 7 | | |
| Total dept: | 385 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 55 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 55 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 55 | | |
| Bottom scr: | 385 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |

| | | | |
|---|---|---|---|
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 2 | | |
| Level befo: | 45 | | |
| Level duri: | 385 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304910 |

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**AM184**
**East**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000304551**

| | | | |
|---|---|---|---|
| Object id: | 304551 | County let: | WA |
| Permit: | WA810580 | Mgs id: | Not Reported |
| B1 seq: | Not Reported | B1 recd: | 1983 916 |
| City: | BIG SPRING | State: | MD |
| Zip: | 21722 | Driller na: | SHAFF, JOHN V JR. |
| Driller id: | MWD0188 | | |
| Est gpm pr: | 8 | | |
| Use for wa: | DW | | |
| Approx dep: | 200 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | Not Reported |
| Section: | Not Reported | Lot: | Not Reported |
| Nearest to: | CHARLTON | Town dista: | .4 MI |
| Town direc: | NE | Road name: | RT 56 |
| Road side: | S | Road dista: | 150 FT |
| Tax map: | Not Reported | Block: | Not Reported |
| Parcel: | Not Reported | | |
| N grid83: | 218465 | | |
| E grid83: | 323521 | | |
| Lat dec de: | 39.631289 | | |
| Lon dec de: | -77.890809 | | |
| Issue date: | 1983 920 | Special fl: | Not Reported |
| C1 seq: | Not Reported | C1 recd: | 1983 916 |
| Completion: | 198310 6 | | |
| Total dept: | 230 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | Not Reported | Grouted: | Y |
| Grout type: | CM | | |
| Grout top: | 0 | | |
| Grout bott: | 40 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 40 | | |
| Casing hei: | +01 | Screen typ: | HO |
| Top screen: | 40 | | |
| Bottom scr: | 230 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |

| | | | |
|---|---|---|---|
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 3 | | |
| Pumping ra: | 4 | | |
| Level befo: | 16 | | |
| Level duri: | 58 | | |
| Test pump : | A | Pump insta: | Not Reported |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000304551 |

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**185**
**SW**
**1/2 - 1 Mile**
**Lower**

**MD WELLS** **MD7000000529069**

| | | | |
|---|---|---|---|
| Object id: | 529069 | County let: | Not Reported |
| Permit: | WA950199 | Mgs id: | Not Reported |
| B1 seq: | 5439 | B1 recd: | 2008 8 7 |
| City: | CLEAR SPRING | State: | MD |
| Zip: | 21722 | Driller na: | GARY SHAFF |
| Driller id: | MSD 170 | | |
| Est gpm pr: | 5 | | |
| Use for wa: | DW | | |
| Approx dep: | 300 | | |
| Drill meth: | AIR-PER | Replacemen: | N |
| Wapid: | Not Reported | Subdivisio: | MADELEINE E CLOPPER |
| Section: | Not Reported | Lot: | 4 |
| Nearest to: | CLEAR SPRING | Town dista: | 2 |
| Town direc: | SE | Road name: | 11044 ASHTON RD |
| Road side: | W | Road dista: | 1500FT |
| Tax map: | 46 | Block: | Not Reported |
| Parcel: | 290 | | |
| N grid83: | 217246 | | |
| E grid83: | 320778 | | |
| Lat dec de: | 39.620063 | | |
| Lon dec de: | -77.922615 | | |
| Issue date: | 2008 8 7 | Special fl: | Not Reported |
| C1 seq: | 5113 | C1 recd: | 200810 9 |
| Completion: | 2008 9 2 | | |
| Total dept: | 500 | | |
| Num unsucc: | 0 | | |
| Hydrofract: | N | Grouted: | Y |
| Grout type: | BC | | |
| Grout top: | 0 | | |
| Grout bott: | 20 | | |
| Casing typ: | ST | | |
| Casing dia: | 6 | | |
| Casing dep: | 21 | | |
| Casing hei: | +1 | Screen typ: | HO |
| Top screen: | 20 | | |
| Bottom scr: | 500 | | |
| Screen t 1: | Not Reported | | |
| Top scre 1: | 0 | | |
| Bottom s 1: | 0 | | |
| Screen t 2: | Not Reported | | |

| | | | |
|---|---|---|---|
| Top scre 2: | 0 | | |
| Bottom s 2: | 0 | | |
| Screen dia: | 0 | | |
| Flowing we: | Not Reported | Telescopin: | Not Reported |
| Log type: | Not Reported | | |
| Hrs pumped: | 2 | | |
| Pumping ra: | 15 | | |
| Level befo: | 80 | | |
| Level duri: | 500 | | |
| Test pump : | A | Pump insta: | N |
| Install pu: | Not Reported | | |
| Capacity: | 0 | | |
| Pump hp: | 0 | | |
| Column len: | 0 | | |
| Closed: | Not Reported | Abandoned: | Not Reported |
| Abandon da: | 0 | Site id: | MD7000000529069 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
# RADON

**AREA RADON INFORMATION**

EPA Region 3 Statistical Summary Readings for Zip Code: 21722

Number of sites tested: 41.

Maximum Radon Level: 44.8 pCi/L.
Minimum Radon Level: 0.3 pCi/L.

| pCi/L <4 | pCi/L 4-10 | pCi/L 10-20 | pCi/L 20-50 | pCi/L 50-100 | pCi/L >100 |
|---|---|---|---|---|---|
| 19 (46.34%) | 10 (24.39%) | 6 (14.63%) | 6 (14.63%) | 0 (0.00%) | 0 (0.00%) |

Federal EPA Radon Zone for WASHINGTON County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Maryland Public Supply Wells Database
Source: Department of the Environment
Telephone: 410-537-3702
Water use types included are farm (livestock watering and agricultural irrigation), geo-thermal, industrial-commercial-state and federal government, municipal, test-observation-monitoring.

## OTHER STATE DATABASE INFORMATION

Oil and Gas Well Location Information
Source: Department of the Environment.
Telephone: 410-537-3557

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings
Source: Region 3 EPA
Telephone: 215-814-2082
Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

**STREET AND ADDRESS INFORMATION**

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# APPENDIX E
# SITE PHOTOGRAPHS

Site Location: 11506 Shank Road ■ Clear Spring, Maryland
Date Photos Taken: September 10, 2015 ■ Terracon Project No. J2157171

**Photo 1:** View of the site, looking south.

**Photo 2:** View of the site, looking south.

**Photo 3:** View of railroad to the north of site.

**Photo 4:** View of site vicinity.

**Photo 5:** View of site.

**Photo 6:** View of site.

# APPENDIX F
# CREDENTIALS

# FRANK X. KEHOE, CES
## SENIOR ENVIRONMENTAL PROJECT MANAGER

## PROFESSIONAL EXPERIENCE
Mr. Kehoe is a senior project manager in the Hartford office of Terracon Consultants, Inc. He has over 15 years of experience in the environmental consulting, contracting and engineering field and has performed hundreds of Phase I, Phase II, and Phase III site investigations in association with property transfers throughout Connecticut, Massachusetts, Rhode Island, Pennsylvania, Maryland, New York, New Jersey, Vermont, New Hampshire, Maine and Colorado. Project work has involved the implementation of local, state, and federal remediation standard regulations for property transfers; developing project cost estimates; developing and implementing Remedial Action Plans, tracking budgets, and communicating with clients and regulatory agencies. Mr. Kehoe has experience with numerous subsurface investigations and remediation projects as an environmental contractor, scientist, geologist, and as a project manager. His experience in the Northeast also includes conducting indoor air quality assessments for the presence of potential indoor air contaminants, and mold remediation projects.

Mr. Kehoe is routinely involved with the remediation, oversight, monitoring, and project management of projects throughout the Northeast and beyond, and is therefore familiar with the respective prevailing standard application of state remediation regulations.

### Education
*Bachelor of Science, Environmental Science, 1997*
*Keene State College, NH*

### Certifications
*OSHA Hazardous Waste Site Worker (40 Hours)*

*ETI ETC Certified Environmental Specialist*

*OSHA Confined Space Entry Training*

*RAD Worker I&II Training*

*Connecticut Safe Boaters Certificate*

### Work History
*Terracon Consultants, Inc., Senior Project Manager, 2010-Present*

*Triton Environmental, Inc., Project Manager, 2005-2010*

*Northeast Environmental Consulting Services, LLC. President, 2004-2005*

*Vanasse Hangen Brustlin, Inc Environmental Scientist, 1999-2003*

*Seacoast Ocean Service, Field Technician, 1998-1999*

*EnviroStaff, Field Technician, 1997-1998*

## PROJECT EXPERIENCE
### Soil Characterization and Soil Disposal Activities – Water and Sewer Relocation Project, Hartford, Connecticut
Mr. Kehoe managed a large-scale municipal water and sewer relocation project in Hartford, Connecticut. Responsibilities consisted of the evaluation of laboratory analytical data associated with soil samples collected from soil borings advanced in the public right of ways for several streets in the downtown Hartford area. Based on the laboratory analytical data, Mr. Kehoe prepared a Soil Management Plan (SMP) associated with utility installations that included procedures for the handling of approximately 70,000 cubic yards of soil excavated at the site. The SMP categorized soil that would potentially be encountered based on the pre-characterization and analysis of data, providing guidance for soil handling, loading, staging, worker health and safety. Mr. Kehoe prepared pre-approval documents and obtained authorization for soil disposal and recycling at several regional licensed facilities. Additionally, Mr. Kehoe worked with the client, municipality, and the Connecticut Department of Energy and Environmental Protection to obtain approval for the reuse of polluted soil at an accepting facility, which helped to minimize disposal costs.

### Limited Site Investigation and Soil Management – Retail Development, New London, Connecticut
Mr. Kehoe conducted a Limited Site Investigation during the redevelopment of a commercial property for future retail use where structurally unsuitable fill material was identified during geotechnical studies. The investigation consisted of the excavation of test pits, advancement of soil borings, collection of soil samples, and evaluation of laboratory analytical data to characterize and delineate the extent of the structurally unsuitable material. Mr. Kehoe calculated soil volume quantities required for removal under the proposed building and parking lot in order to import suitable fill to meet construction specifications. He also prepared pre-approval documents and obtained authorization for the disposal of the polluted, unsuitable material at a licensed disposal facility. In addition, Mr. Kehoe prepared a Soil Management Plan which was used during construction activities, provided oversight during the removal of approximately 1,500 tons of polluted soil, while working closely with the construction team during site redevelopment which included the preparation of closure reports.

**Phase I Environmental Site Assessments – Northeastern United States**
Mr. Kehoe has performed and provided project management on hundreds of Phase I Environmental Site Assessments for large and small-scale sites developed for residential, retail, commercial, and industrial use throughout New England, New York, Pennsylvania, New Jersey, and Maryland. The assessments provided clients with a clear understanding of existing environmental conditions, the potential for problematic conditions during site preparation, and liabilities during real estate due diligence, which were conducted consistent with the procedures included in ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*.

**Phase I/II/III ESAs, UST Removals, ACM Removal, Soil Remediation – Stamford, Connecticut**
Mr. Kehoe served as the project manager for the redevelopment of multiple former commercial properties, including gasoline sales and service facilities, automobile sales and service dealerships, and former manufacturing facilities into luxury condominiums. Mr. Kehoe completed Phase I, II, and III ESAs, including Connecticut Transfer Act filings, and established project budgets and scopes of work. Mr. Kehoe prepared Remedial Action Plans, oversaw building demolitions, lead-based paint abatement activities, removal of former hydraulic vehicle lifts and underground storage tanks. He was responsible for the identification and removal of more than a dozen previously unidentified underground storage tanks. Mr. Kehoe's oversight included the removal of several thousand cubic yards of contaminated soil, and abatement of previously unidentified, buried asbestos tiles. Remedial Action Reports and Groundwater Monitoring Plans were prepared, in addition to groundwater monitoring requiring quarterly reports. Mr. Kehoe provided instrumental support during site verification and closure activities.

**Spill Response, Soil Excavation and Disposal – Middletown, New Jersey**
Mr. Kehoe managed a spill response soil excavation and disposal project that involved characterization soil including sampling, analysis, and assessment. Mr. Kehoe provided project management during the excavation and disposal of approximately 180 tons of petroleum impacted soil, and coordinated with contractors during the placement and compaction of approximately 225 tons of clean backfill. Mr. Kehoe also provided oversight during restoration activities including report writing. Mr. Kehoe communicated frequently with contractor, client, property owner and field staff.

**Sediment and Erosion Control Monitoring – Multiple Sites in Massachusetts and Connecticut**
Mr. Kehoe served as the project manager responsible for the monitoring of soil erosion and sediment control measures implemented at retail construction sites in Massachusetts and Connecticut. Monitoring was performed by a qualified technician under the direction of Mr. Kehoe, and included weekly inspection of the site, as well mandatory inspections following a qualifying rain event greater than 0.5 inches of precipitation. Mr. Kehoe developed site-specific monitoring checklists based upon the storm water pollution prevention plans (SWPPP) and prepared deficiencies/corrective measures reports that were submitted to the client on a weekly basis.

**Brownfield Redevelopment Project – New Haven, Connecticut**
Mr. Kehoe served as the project manager working with Regional Growth Partnership and the City of New Haven under The USEPA's Brownfields grant program. Project work included the review of existing reports and data, while overseeing Phase II and Phase III project work. Mr. Kehoe worked to develop a Remedial Action Plan for the site and coordinated and oversaw remedial activities, developed alternative Surface Water Protection Criteria calculations, prepared a Groundwater Monitoring Plan, and completed two years of quarterly groundwater monitoring. Mr. Kehoe assisted with the preparation of an Environmental Land Use Restriction and worked closely with the property owner, his attorney and regulatory agencies for cleanup verification and site closure.

### Telecommunications Tower Sites – Multiple Sites in Massachusetts, New York, Pennsylvania, and Connecticut

Mr. Kehoe performed due diligence activities associated with the construction/build out of several hundred telecommunication tower sites. Duties included Phase I Environmental Site Assessments, and "balloon testing" and computer simulated photography to provide visual documentation of proposed tower facilities. Project work also consisted of completing National Environmental Policy Act (NEPA) screen reports, which included environmental impact studies and GIS mapping to document potential ecological, wildlife, archeological and historical features as well as sensitive receptors that may be present in or near the project area. The reports were provided to clients prior to proposed construction activities and used for exhibits in various public forums associated with the respective project site.

Mr. Kehoe has also managed and prepared reports associated with asbestos containing materials, lead based paint, and visual mold assessments surveys at several telecommunication tower facilities in the northeast. The surveys were conducted prior to tenant build-outs or co-locations at existing cell tower facilities. Also, Mr. Kehoe has been responsible for determining that status of tower paint scraping and abatement activities with respect to minimizing potential lead impacts to underlying soil. Mr. Kehoe routinely coordinates the sampling, removal and disposal of waste hazardous materials subsequent to tower abatement activities.

### Property Transfers and Groundwater Monitoring – Stonington, Connecticut

Mr. Kehoe served as the project manager responsible for review of previous remediation reports and the subsequent development of a site groundwater monitoring plan during a multi-use development project in the Borough of Stonington, Connecticut. Mr. Kehoe oversaw monitoring well installations and post development reinstallations. Mr. Kehoe worked closely with the client to redevelop a former PCB manufacturing facility and World War II ammunitions factory into a multi-million dollar shoreline townhouse/yacht club. Mr. Kehoe developed alternative Surface Water Protection Criteria calculations to obtain compliance with regulation criteria and completed three years of groundwater monitoring. He also prepared Property Transfer Act documentation for condo transfers including annual reports, in addition to requesting the discontinuation of groundwater monitoring for site closure.

### Project Oversight, Management and Clearance Sampling – Windsor Locks, Connecticut

Mr. Kehoe was responsible for direction and oversight during a large scale mold abatement project at a hotel facility in Windsor Locks, CT. The project included a pre-abatement visual mold survey, ACM survey and report, the post abatement collection of air spore trap samples from multiple containments within hotel facility rooms and adjoining corridors. Mr. Kehoe routinely consulted with certified industrial hygienists during assessment of laboratory analytical results and was responsible for developing a "pilot study" subcomponent of the project to further investigate mold source locations. He also helped the client obtain closure via the modified work plan so that hotel operations could resume, minimizing revenue lost.

### Utility-Scale Solar Facility Projects – Multiple Sites in New Jersey and Massachusetts

Mr. Kehoe has managed numerous proposed utility-scale solar facility projects in New Jersey and Massachusetts. Mr. Kehoe is routinely involved in the environmental due diligence process, which include Phase I ESAs, New Jersey Preliminary Assessments and Limited Site Investigations (at a minimal, in accordance with the 1999 Historic Pesticide Contamination Task Force document). Projects at Massachusetts facilities have included Phase I ESAs, Wetland Delineations and assistance with Geotechnical evaluations.

### Product Recovery, Product Fingerprinting, Remediation Cost Estimates – Bridgeport, Connecticut

Mr. Kehoe served as the project manager responsible for the installation, operation and maintenance of two free phase product recovery systems averaging over 10-gallons/day and over 10,000 gallons since installation. Mr. Kehoe prepared Phase II and III scopes of work, completed soil permeability testing to determine competence of tank farm spill containment, collected free product samples from representative site locations for carbon fingerprinting to determine responsible parties associated with site releases, and developed cost estimates for potential remediation buy-out.

**Firestone Gasoline Remediation Project – Horseheads, New York**
Mr. Kehoe served as the Senior Project Manager working with the client and regulatory agency to investigate and delineate gasoline impacts to soil and groundwater at the site associated with a release from former gasoline underground storage tanks (USTs) and dispensers. Mr. Kehoe completed soil and groundwater testing, sensitive receptor survey, hydraulic conductivity testing and analysis, and remedial planning including soil excavation and disposal and ISCO applications.

**Remediation System O&M Former Gasoline Station – Enfield, Connecticut**
Mr. Kehoe operated and maintained a VOC (gasoline) remediation system installed to remediate a release from a former gasoline station. The system was installed to prevent migration of pollutants to several nearby public water supply wells. Tasks included frequent system monitoring, troubleshooting and diagnostics. Mr. Kehoe engineered and completed system upgrades and repairs, including research and cost estimates, recovery pump replacements, transfer pump replacement, pressure washing and steam cleaning of collection vaults, transfer piping replacement. Mr. Kehoe managed project for over four years and prepared quarterly groundwater monitoring reports, quarterly discharge monitoring reports, and UST reimbursement calculations. Over the course of the project Mr. Kehoe communicated frequently with town and state regulatory officials and property owners.

**Site Characterization – Shelton, Connecticut**
Mr. Kehoe work with a nationwide retail client during their environmental due diligence process associated with the potential purchase of a commercial property abutting their current store location. Mr. Kehoe managed several phases of site investigation activities including soil testing, the installation and testing of groundwater in a complicated aquifer and a ground penetrating radar survey. Mr. Kehoe also assisted with the reporting of a significant environmental reporting hazard to state regulatory agencies and the completion of a public water well receptor survey. Mr. Kehoe calculated both standard and alternative remedial cost estimates for the site.

**Power Generation Facility – Wallingford, Connecticut**
Mr. Kehoe managed both an annual and quarterly methane gas sampling program at two natural gas power plants. Sampling was performed to assess methane quality in advance of on-site performance tests and document methane composition related to air emissions permitting. Mr. Kehoe was certified in DOT Hazardous Materials Transportation as required for shipping methane sample containers.

**Buried Drum Removal and Groundwater Monitoring – Norwalk, Connecticut**
Mr. Kehoe served as a project manager and site safety officer for a project that included the excavation of over 200 buried drums containing unknown hazardous waste at a Superfund site in Norwalk, Connecticut. Responsibilities included implementation of daily health and safety measures, air quality monitoring, preparation and use of Level C personal protective equipment (PPE), and directing exploratory excavation activities.

**Former Industrial and Commercial Facility – Guilford, Connecticut**
Mr. Kehoe managed the groundwater investigation and remediation of a plume of petroleum constituents present beneath a facility located adjacent to a wetlands in Guilford, Connecticut. Mr. Kehoe managed field crew during the collection of groundwater samples, provided analysis of groundwater analytical data and contaminant concentrations over several years of monitoring, calculated groundwater flow direction at the site, and prepared annual groundwater monitoring reports and submittals to the Connecticut Department of Energy and Environmental Conservation. Mr. Kehoe assisted in permitting, oversight and management of aerobic biodegradation enhancing compound injections to accelerate the degradation of contaminants.

**Soil Remediation – Rocky Flats, Colorado**
Mr. Kehoe performed activities associated with the thermal desorption burn of VOC contaminated soil from the Rocky Flats Department of Energy site. Mr. Kehoe assembled and operated thermal oven systems and oversaw the loading of contaminated soil. Mr. Kehoe supervised oven operations, supervised sample collection, and supervised quality control. Operations were performed in “level B”, cascade system supplied air, during the twelve hour night shift. The project required military security clearance, and RAD worker I and II training and certification.

**PCB Spill Remediation – New Haven, Connecticut**

Mr. Kehoe managed the emergency response activities associated with the spill of PCB-contaminated dielectric oil from an illegally dumped electrical transformer near New Haven harbor. Responsibilities included coordinating with state agencies, contractors and consultants and during the management of the emergency spill response and disposal activities. Additional tasks included extensive investigation, delineation and site remediation in accordance with United States Environmental Protection Agency (EPA) and Connecticut Department of Environmental Protection (CTDEP) sampling procedures and close out policies.

# JEFFREY S. DAY, CTLEP
## ENVIRONMENTAL DEPARTMENT MANAGER

## PROFESSIONAL EXPERIENCE

Mr. Day is the Environmental Department Manager for the Hartford, Connecticut office of Terracon Consultants, Inc. He has over 25 years of experience in the environmental field. He is a Licensed Environmental Professional (LEP) in Connecticut and previously practiced as a Registered Professional Geologist in Delaware. He has performed numerous investigation and remediation projects across the United States. His experience includes Phase I, II and III investigations. Remedial technologies/strategies Mr. Day has implemented at contaminated sites include: pump & treat; soil vapor extraction, excavation; air sparging; soil flushing; and risk assessment. Mr. Day has extensive experience successfully negotiating environmental work scopes with federal, state and local agencies on behalf of his clients. Mr. Day's experience also includes environmental permitting and compliance auditing.

Mr. Day has performed over 100 environmental site assessments for contaminated and uncontaminated commercial, residential and industrial-use sites throughout the United States including; California, Connecticut, Rhode Island, Massachusetts, Nevada, New Mexico, Ohio, Indiana, Illinois, Virginia, Maryland, Georgia, Pennsylvania and New York. A diversified assortment of industry types including: eighty acres of farmland for the construction of a bio-diesel processing facility in Indiana; a pressure-treated lumber manufacturing facility in Detroit, Michigan; a cold-storage warehouse in Reno, Nevada; an international battery manufacturing corporation with over twenty five plants world wide; the merger of three valve manufacturing plants in the United States with a larger competitor; the stock trade by a Northeast building products company for the acquisition of eighteen lumberyards; and the assessment of over one hundred gasoline stations in the Mid-Atlantic Region under consideration for purchase by a client in the retail petroleum business.

### Education

*Master of Science, Earth Science (Hydrogeology), 1990, Adelphi University, Long Island, NY*

*Bachelor of Science, Geology, 1984 Tufts University, Medford, MA*

### Registrations

*Connecticut Licensed Environmental Professional - 1996*

### Certifications

*OSHA Hazardous Waste Site Worker (40 Hours)*

*OSHA Hazardous Waste Supervisor Training*

*OSHA Confined Space Entry Training*

### Affiliations

*Environmental Professionals of Connecticut*

### Work History

*Terracon Consultants, Inc., Environmental Manager, 2008-Present*

*Cody Ehlers Group, Senior Project Manager, 2000-2007*

*Marin Environmental, Inc., Remediation Section Manager, 1998-2000*

*Roux Associates, Inc., Senior Hydrogeologist, Project Manager, 1996-1998 and 1988-1992*

*Groundwater & Environmental Services, Inc., Office Manager, 1994-1996*

*Integrated Environmental Services, NES, Inc., Section Manager, Geosciences, 1992-1994*

*William F. Cosulich Associates, P.C, Geologist/Environmental Scientist, 1986-1988*

## PROJECT EXPERIENCE

### Active Printing Facility – Avon, Connecticut

Mr. Day was the LEP for the investigation and remediation of an active printing facility under the Connecticut Transfer Act. Rapid site assessment techniques were conducted on behalf of the buyer to assess presale conditions. Contaminants of concern at the site include oil-based inks, solvents and metal pigments. Contamination was detected in soil and underlying ground water. Buyer was able to negotiate the sale price based upon estimated future remedial costs. A sensitive receptor survey was performed and the finalization of the conceptual site characterization is under way. Remediation needs for the site will be based upon the investigation results and future land-use goals.

### Former Printing Facility – Brookfield, Connecticut

Mr. Day was the LEP for the investigation and remediation of a former large-scale commercial printing facility under the Connecticut Transfer Act. Contaminants of concern at the site include oil-based inks, solvents and metal pigments. Identified contaminant source areas include an active drywell outside the chemical storage building, a former slop tank for photographic plate waste and the former print production area. Contaminated

soil was excavated from the former tank and drywell area. Postremediation ground-water monitoring is currently ongoing.

**PVC Manufacturing Facility – Delaware City, Delaware**
Mr. Day was the project manager for the investigation and cleanup of a ground-water contaminant plume migrating from a PVC material manufacturing plant located in northern Delaware. Remedial efforts at the site included the design and installation of a ground-water extraction system under the guidance of USEPA and in accordance with CERCLA.

**Former DPW Garage – New Canaan, Connecticut**
Mr. Day was the LEP for the investigation and cleanup of a former Department of Public Works garage in New Canaan, Connecticut. Site was sold by the Town of New Canaan to a developer under the Connecticut Transfer Act. The site cleaned up and redeveloped into residential apartments.

**Former Manufacturing Facility – Bridgeport, Connecticut**
Mr. Day was the technical lead and LEP for the investigation and remediation of a former drill-press manufacturer in Bridgeport, Connecticut under order with the Connecticut Department of Environmental Protection. The environmental issues at the site include a chlorinated solvent plume migrating from a DNAPL source under the building. The plume migrates under an extensive network of highways, making access difficult.

**Lumberyards – Easton, Maryland and Roanoke, Virginia**
Mr. Day was the project manager responsible for the closure of environmental issues at two active lumber distribution facilities under the Voluntary Remediation Programs in Maryland and Virginia.

**Film Development Studio – Hollywood, California**
Mr. Day conducted the investigation of a movie-film development plant in Hollywood as part of an acquisition of five such plants across the globe. The client, a large holding firm, wanted to assess potential environmental liability prior to consummating the deal. The investigation included the evaluation of a past soil clean-up effort and the known plume of chlorinated solvents migrating from the site. The client was provided with a macro-assessment of potential liability and costs per their request.

**Divestiture of Industrial Properties – Long Island, New York**
Mr. Day managed the environmental component of the divestiture of six industrial properties on Long Island. The goal was to sell the properties as quickly as possible with no future indemnification for environmental issues. Tasks included: preemptively preparing each property for review by prospective buyers and their environmental consultants; working with the tenants to rectify permitting and compliance issues; and supporting the client during negotiation of the sale of each property. The client was able to sell the properties within six months of deciding to sell, at fair market value, and with no residual environmental liability.

**Gas-Meter Manufacturer – DuBois, Pennsylvania**
Mr. Day was the project manager for the remedial investigation of an active manufacturing plant located in western Pennsylvania. The investigation is part of a cost recovery litigation case. The work plan for the investigation was developed in compliance with the National Contingency Plan, and included a health and safety plan, a sampling and analysis plan, and a quality assurance project plan.

**Lumberyards – Various Locations Across Eastern United States**
Mr. Day directed the due diligence investigation of 25 lumberyards located across several Northeastern and Mid-Atlantic states. The investigation included review of available environmental information via virtual file room, performance of Phase I Environmental Site Assessments at all of the site and completion of Phase II ESAs at 12 of the sites. Chief concerns included underground storage tanks and vehicle maintenance shops. The entire due diligence was completed within 45 days of approval to proceed. Completing this effort required the close management of a team of six senior peers and five subcontractors.

**Divestiture of Industrial Properties – Long Island, New York**
Mr. Day managed the environmental component of the divestiture of six industrial properties on Long Island. The goal was to sell the properties as quickly as possible with no future indemnification for environmental issues. Tasks included: preemptively preparing each property for review by prospective buyers and their environmental consultants; working with the tenants to rectify permitting and compliance issues; and supporting the client during negotiation of the sale of each property. The client was able to sell the properties within six months of deciding to sell, at fair market value, and with no residual environmental liability.

**Third Party Site Monitoring – Fairfield, Connecticut**
Mr. Day served as the third-party site monitor for the building demolition and soil remediation at the former Handy & Harman facility in Fairfield, Connecticut. Mr. Day, as a Connecticut LEP, reported to the Conservation Department with respect to the compliance of the permittee with the Sediment & Erosion Control plan approved for the site. Mr. Day was responsible for implementing a scope and schedule for inspecting the soil erosion and sediment control measures implemented at the site, managing the team of technicians tasked with conducting the inspections, preparation of weekly monitoring reports issued to the town, ensuring compliance and noting deficiencies with the plan and discussing proposed changes to the plan with the town for approval.

**Sediment & Erosion Control Monitoring – East Hartford, Connecticut**
Mr. Day was the project manager responsible for the monitoring of soil erosion and sediment control measures implemented at a construction site for a new supermarket in East Hartford, Connecticut. Monitoring was required by the Town Conservation officer after violations were cited to the construction contractor. Monitoring was performed by a qualified technician under the direction of Mr. Day, and included weekly inspection of the site, as well mandatory inspections following a qualifying rain event greater than 0.5 inches of precipitation.

**Wood Treatment Facilities – Various Locations Across United States**
Mr. Day managed the due diligence investigation of four wood treatment plants across the U.S. The process included the injection of pesticides into the wood under pressure. Investigation tasks included Phase I ESA, compliance audits, limited Phase II ESAs and preparation of cost estimates to bring facilities into compliance with various state program requirements.

**Railroad Landfill – Cheektowaga, New York**
Mr. Day was the hydrogeologist responsible for developing a ground-water flow model to determine the effect from installing a slurry wall and cap to remedy a landfill near Buffalo, New York. Included training at U.S.G.S. course regarding MODFLOW program.

**Petroleum Bulk Storage Terminals – Trenton and Woodbury, New Jersey**
Mr. Day was involved with the development and implementation of NJDEPE-approved ECRA cleanup plans at two large petroleum bulk storage terminals located in southern New Jersey. The plans included the design and installation of a bioremediation land farm to treat petroleum contaminated soils and a ground-water recovery trench and treatment system to mitigate separate-phase and dissolved ground-water contamination.

**Automobile Dealership – Norwalk, Connecticut**
Mr. Day managed the investigation and remediation of a former auto dealership under the Connecticut Transfer Act. Areas of concern included abandoned gasoline tanks, a leaking heating oil tank and former hydraulic lifts.

**Pesticide Mixing Plant – Dayton, New Jersey**
Mr. Day was the project manager for NJDEPE-ECRA investigation involving off-site ground-water contamination from a pesticide mixing and distribution facility located in central New Jersey. The cleanup plan under development for submittal to NJDEPE proposed to expand the ground-water extraction, treatment and recharge system currently operating on-site to address the off-site contamination.

**Expert Witness – Confidential Client, New Jersey**
Mr. Day served as the named expert witness on behalf of drilling company being sued by municipality for release of diesel fuel caused by damage to an underground storage tank. Prepared expert-witness report and graphics to support claim that: a prior release had occurred from the tank; the plaintiff's estimate of the cost to clean up was not reasonable; and the extent of contamination was exacerbated by plaintiff's delay in reporting and addressing the issue in a timely fashion.

**Construction Support and Soil Characterization – Fairfield, Connecticut**
Mr. Day provided assistance to a client looking to expand their automobile dealership facility onto an adjoining property. The adjoining property had a history of use as a bus service garage and a junkyard. Prior to the client entering into the lease, Mr. Day directed a limited investigation of the property to evaluate potential development concerns related to the expansion, The results of the investigation indicated that the soil was impacted with petroleum compounds, metals and low-levels of polychlorinated biphenyls (PCBs). Mr. Day developed a soil management plan (SMP) for use during the construction of the expansion and coordinated the characterization and disposal of the impacted soil at an out-of-state treatment facility.

**Gasoline Station – Danvers, Massachusetts**
A large warehouse retailer encountered an orphan underground storage tank during construction of a gasoline station adjacent to its existing store. Contaminated soil associated with the former underground storage tank was excavated and stockpiled during the construction, as well as excess soil generated as part of the installation of new underground storage tanks for the station. The work was performed in late fall, and the client wanted to have the site paved and operating before winter arrived. Mr. Day managed the expedited characterization, segregation and disposal of approximately 60,000 tons of soil at a nearby Massachusetts landfill. The station was opened on schedule and the former underground storage tank has been satisfactorily closed with the Massachusetts Department of Environmental Protection and the local fire marshal.

**Pharmaceutical R&D Facility – Ridgefield, Connecticut**
At the request of a large contractor client, Mr. Day oversaw the characterization testing and disposal paperwork to expeditiously remove stockpiled soil generated during the construction of a large building expansion. The project including coordinating with the contractor, the site owner and the disposal facility to ensure compliance with the aggressive construction schedule.

**Urban Redevelopment Project – Hartford, Connecticut**
Mr. Day oversaw the characterization of soil proposed for reuse under a municipal sidewalk located in Hartford, Connecticut. Evaluation of the soil included comparison of the sampling results to the Connecticut Remediation Standards Regulations as required per the construction specifications for the project.

**Soil Reuse – CTDOT Projects, Connecticut**
For various contractor clients, Mr. Day has managed the characterization of soil proposed for reuse at various Connecticut Department of Transportation projects throughout the state.

**Litigation Support – Various Locations**
Mr. Day provided settlement support work for counsel, usually on behalf of a consortium of insurance companies. Several recent cases have involved major petroleum companies submitting comprehensive claims in the range of $2 billion to $5 billion. Expert witness on behalf of insurance companies regarding environmental coverage issues. Furnished expert opinions in support of clients' position.

**Technical Evaluation of Environmental Claims – Various Locations**
Mr. Day conducted technical evaluation of environmental claims on behalf of major insurance companies. Claim cases included:

- a dry cleaner requesting coverage for voluntary cleanup of a PCE plume in Texas;
- financial institution in Los Angeles seeking $12.5 million for the massive investigation and cleanup of fuel oil and gasoline from leaking underground storage tanks;
- assessing 'defense' versus 'indemnity' costs for a service station cleanup in Oregon;
- developing an independent cost estimate for a RCRA closure cap and ground-water remedy at a Superfund landfill site at which the insured is a named potential responsible party; and
- determine the time of release of MTBE from a service station that affected drinking water wells in Connecticut.

# STATE OF CONNECTICUT

## Board of Examiners of Environmental Professionals

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June 19, 2015

Jeffrey S. Day
Terracon Consultants Inc.
201 Hammer Mill Road
Rocky Hill, CT 06067

Dear Mr Day:

The State of Connecticut Board of Examiners of Environmental Professionals ("the Board") has received your 2015 application to renew your license as an environmental professional in the State of Connecticut, your fee payment and your continuing education credit summary form. The required information was received on or before the June 1, 2015 deadline. Upon license renewal, you were required to document that you have met the requisite 24 continuing education credits needed to fulfill section 22a-133v-2(e)(1) of the Regulations of Connecticut State Agencies, ("RCSA").

Based upon a review of your continuing education credit ("CEC") summary form and attached course certificates, the Board has determined that you have fulfilled the 24 CEC requirements outlined in the LEP regulations. Since you submitted your application for renewal on time and met your requisite CECs, the Board has authorized the Commissioner to renew your license #229 that will continue to remain in effect and valid through June 30, 2016.

For your information, a listing of courses approved by the Board can be found on the Department of Energy and Environmental Protection's Web Site [www.ct.gov/deep]. Remember that if you wish to seek approval of a course that is not on the list of approved courses, make certain you provide the Board with the information specified in section 22a-133v-2(e)(6) of the RCSA which outlines course/seminar approval/disapproval requests and fill out a course approval request form that can be found on our website. Remember, you can only claim continuing education credit for courses taken during the biennial period which runs from July 1, 2015 through June 30, 2017.

Enclosed please find the license card that will remain valid through June 30, 2016. Pursuant to section 22a-133v-4(c)(2) of the RCSA, should you change your address or place of employment it is your responsibility to inform the Board in writing within fourteen days of such change. Not only is this a requirement of the LEP regulations, but it will help to ensure that you are notified about important information regarding your license.

Please contact Kim Maiorano, Board Administrator at (860) 424-3788 if you have any questions.

Sincerely,

Denise Ruzicka
Chairman
Board of Examiners of Environmental Professionals

TERRACON CONSULTANTS INC.
JUN 23 2015
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c/o Connecticut Department of Energy & Environmental
79 Elm Street, Hartford, CT 06106-
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STATE OF CONNECTICUT
DEPARTMENT OF ENERGY &
ENVIRONMENTAL PROTECTION

*Board of Examiners of Environmental Professionals*
Be it known that license #229 is issued to Jeffrey S. Day as an ***Environmental Professional*** and is valid through June 30, 2016.

*Denise Ruzicka, Chairman*