

Kevin Rowsey, Source Water & UIC Section  
U.S. E.P.A., Region 3  
July 25, 2023



## Attachments to Comment Letter of Damascus Citizens for Sustainability

**Attachment A**

**JN Johnson Well Records  
(DCNR EDWIN)**


# WELL RECORD

051-90111

- EN-  
37

Name *J. N. Johnson* Co. *Fayette* Twp. *Nichols* No. *728* *of 18*

Owner *Greenstrom* Contr. \_\_\_\_\_

Date *1925* Elev. *1135* Product  Drill *At. Woodside*

Obtained by *(M.N.) Shoffner* Authority \_\_\_\_\_ Quad. *(M) 2504* Locate by *Sketch*

Geol. Name	Thick-ness	From	To	Geol. Name	Thick-ness	From	To
<i>L. Shank.</i>		<i>415</i>	<i>450</i>				
<i>B</i>		<i>530</i>	<i>575</i>				
<i>U. Tpt. Coal.</i>		<i>575</i>	<i>580</i>				
<i>1st salt.</i>		<i>830</i>	<i>950</i>				
<i>B sand</i>		<i>1220</i>	<i>1250</i>				
<i>B. layers</i>	<i>115</i>	<i>1250</i>	<i>1505</i>				
<i>Gentle M</i>		<i>1843</i>	<i>1995</i>				
<i>Greens</i>		<i>2168</i>	<i>2178</i>				
<i>4th</i>		<i>2303</i>	<i>2322</i>				
<i>5th</i>		<i>2334</i>	<i>2365</i>				

*T.D. 2153*

*SMITHFIELD QUAD*

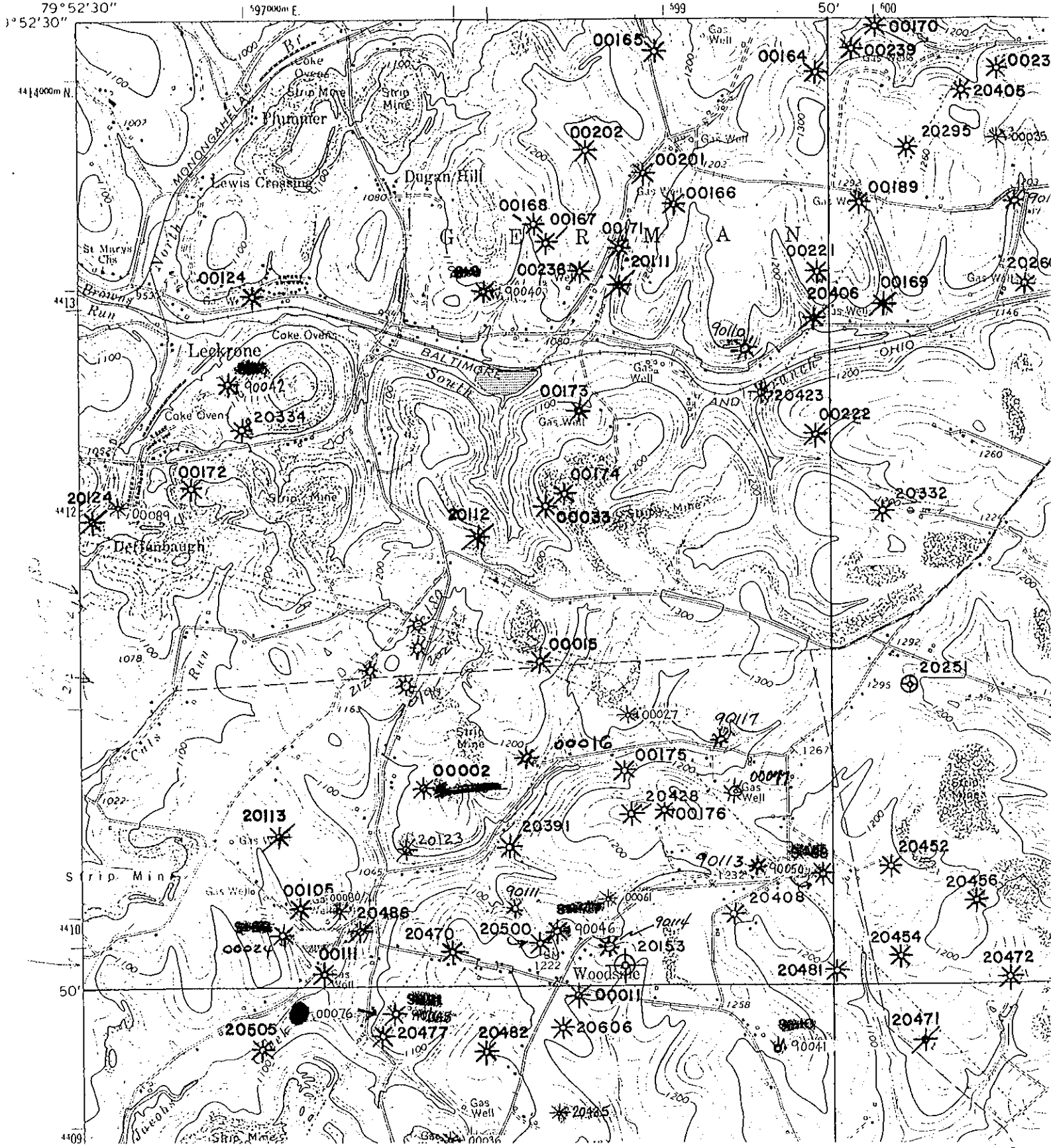
*13,950'S 39°52'30"*

*4,975'W 79°50'00"*

*(1)*

*HIGHHOUSE FIELD.*

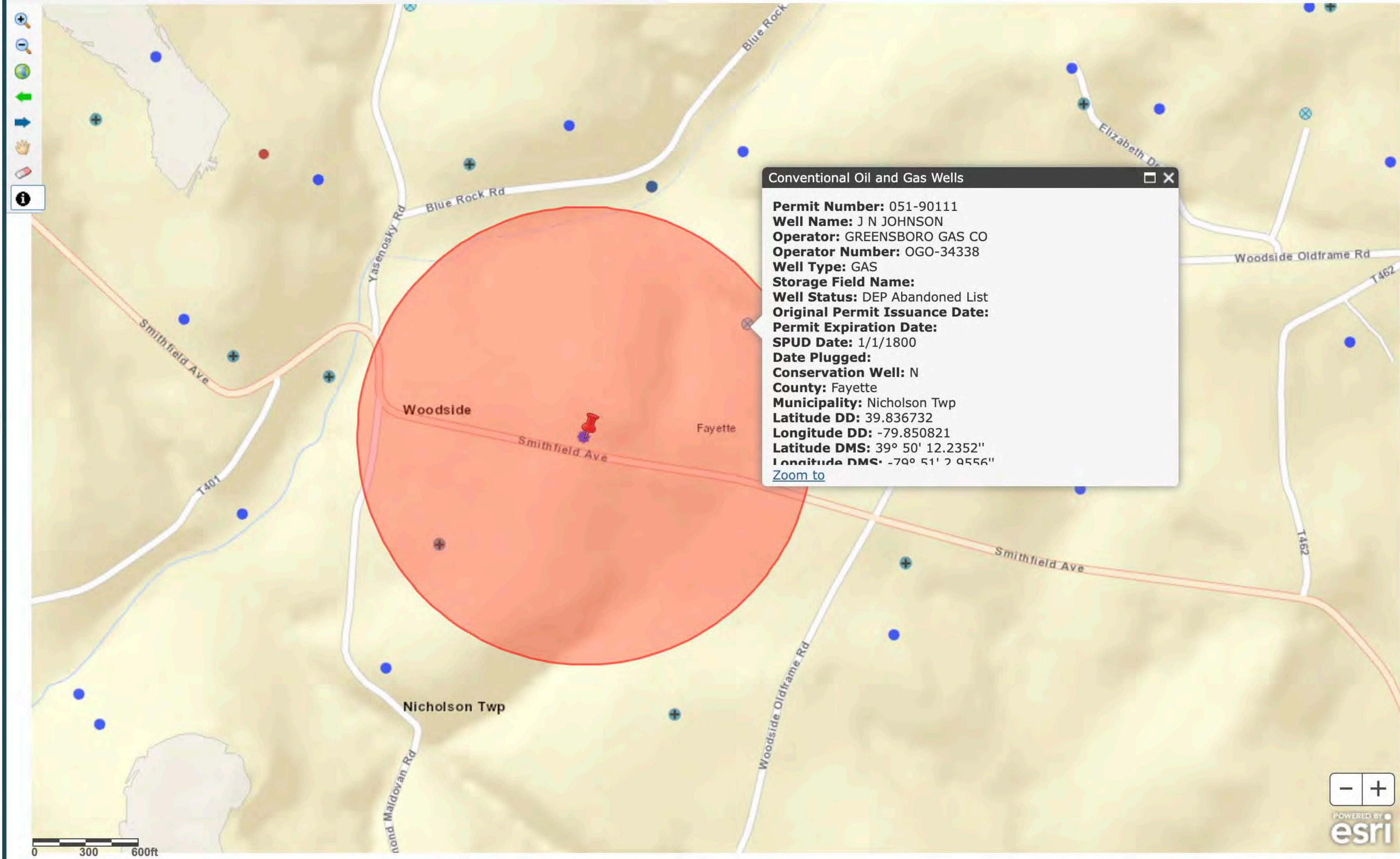
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



**Attachment B**  
**Maps from PADEP Oil and Gas Mapper**

ESRI Streets & Imagery Topographic National Geographic PA Map Imagery (2003-2006) & ESRI Imagery

- Legend**
- Well Layers
- Unconventional Oil and Gas Wells
- Active
  - Abandoned
  - DEP Abandoned
  - DEP Orphan
  - DEP Plugged
  - Plugged
  - Regulatory Inactive Status
- Conventional Oil and Gas Wells
- Active
  - Abandoned
  - DEP Abandoned
  - DEP Orphan
  - DEP Plugged
  - Plugged
  - Regulatory Inactive Status
- Historical Oil and Gas Well Locations
- ▲ Abandoned Gas Well
  - ▲ Abandoned Oil Well
  - ▲ Abandoned Oil & Gas Well
  - ▲ Dry Hole
  - ▲ Gas Well
  - ▲ Oil Well
  - ▲ Oil & Gas Well
  - ▲ Well, No Record
  - ▲ Other
- Farmline Oil and Gas Well Locations
- Abandoned Gas
  - Abandoned Oil
  - Abandoned Oil Gas
  - Dry Hole
  - Gas Well
  - Oil Well
  - Oil Gas Well

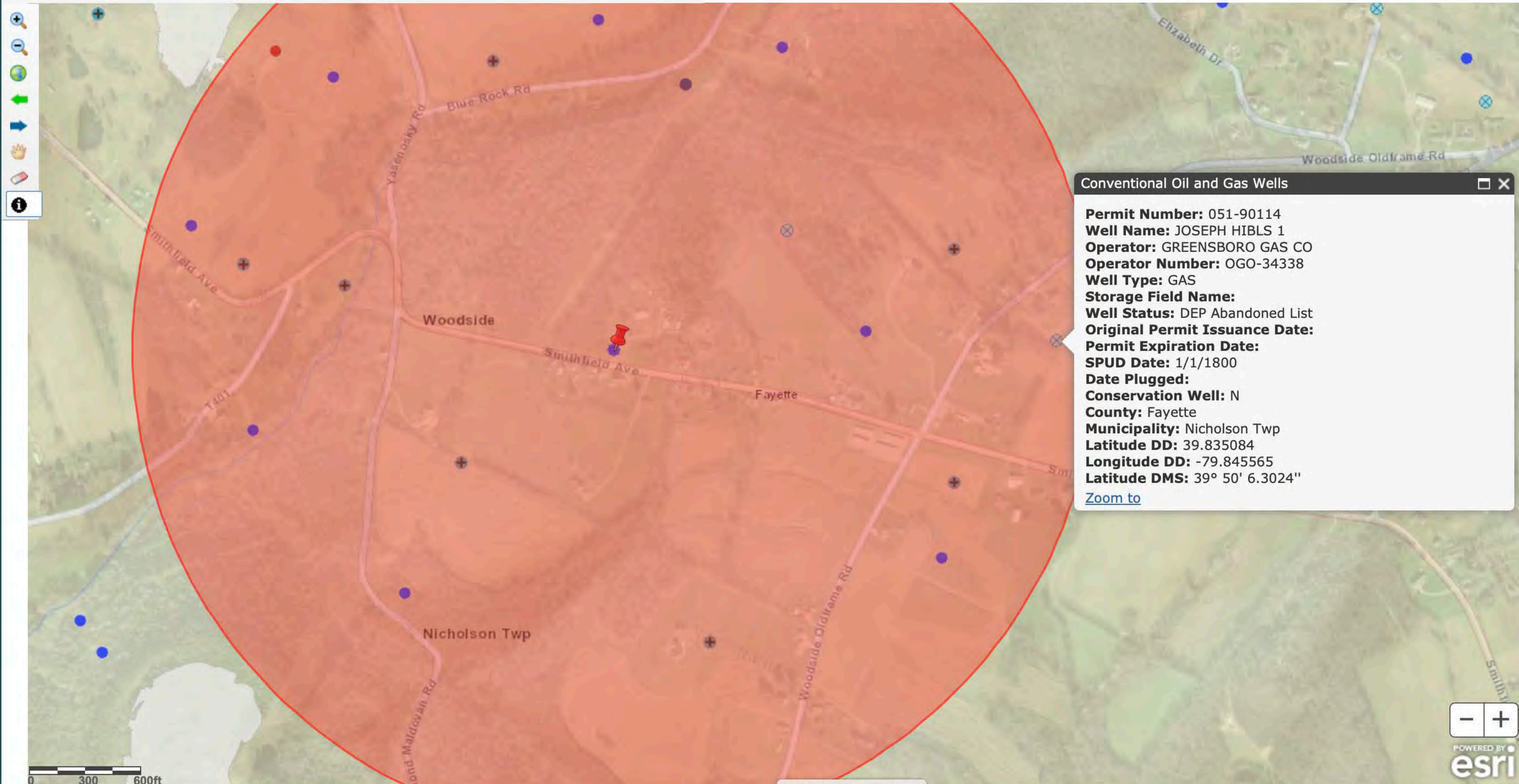


**Conventional Oil and Gas Wells**

**Permit Number:** 051-90111  
**Well Name:** J N JOHNSON  
**Operator:** GREENSBORO GAS CO  
**Operator Number:** OGO-34338  
**Well Type:** GAS  
**Storage Field Name:**  
**Well Status:** DEP Abandoned List  
**Original Permit Issuance Date:**  
**Permit Expiration Date:**  
**SPUD Date:** 1/1/1800  
**Date Plugged:**  
**Conservation Well:** N  
**County:** Fayette  
**Municipality:** Nicholson Twp  
**Latitude DD:** 39.836732  
**Longitude DD:** -79.850821  
**Latitude DMS:** 39° 50' 12.2352"  
**Longitude DMS:** -79° 51' 2.9556"  
[Zoom to](#)

0 300 600ft

ESRI Streets & Imagery 
  Topographic 
  National Geographic 
  PA Map Imagery (2003-2006) & ESRI Imagery



- Other Map Layers
- Well Layers
    - ORND and PBNM Oil and Gas Wells
    - Historical Oil and Gas Wells
      - Abandoned Gas Well
      - Abandoned Oil Well
      - Abandoned Oil & Gas Well
      - Dry Hole
      - Gas Well
      - Oil Well
      - Oil & Gas Well
      - Well, No Record
      - Other
    - Farmline Oil and Gas Wells
      - Abandoned Gas
      - Abandoned Oil
      - Abandoned Oil Gas
      - Dry Hole
      - Gas Well
      - Oil Well
      - Oil Gas Well
      - Well, No Data
    - OGRE Waste Facilities
      - CENT WASTE TRT FAC NPDES
      - CENTRALIZED TREATMENT PLANT
      - INJECTION DISPOSAL WELL
      - LANDFILL
      - PUBLIC SEWAGE TREATMENT PLANT
      - RESIDUAL WASTE PROC FAC
      - RESIDUAL WASTE PROCESSING
      - RESIDUAL WASTE TRANSFER
    - Air Emission Oil and Gas
    - Well Pad Access Road Erosion
    - Well Pads

**Conventional Oil and Gas Wells**

**Permit Number:** 051-90114  
**Well Name:** JOSEPH HIBLS 1  
**Operator:** GREENSBORO GAS CO  
**Operator Number:** OGO-34338  
**Well Type:** GAS  
**Storage Field Name:**  
**Well Status:** DEP Abandoned List  
**Original Permit Issuance Date:**  
**Permit Expiration Date:**  
**SPUD Date:** 1/1/1800  
**Date Plugged:**  
**Conservation Well:** N  
**County:** Fayette  
**Municipality:** Nicholson Twp  
**Latitude DD:** 39.835084  
**Longitude DD:** -79.845565  
**Latitude DMS:** 39° 50' 6.3024"  
[Zoom to](#)

# 1 Mile Radius

## PA Oil and Gas Mapping

Legend

- Abandoned Oil
- Abandoned Oil Gas
- Dry Hole
- Gas Well
- Oil Well
- Oil Gas Well
- Well, No Data

OGRE Waste Facilities

- CENT WASTE TRT FA DISCHARGE
- CENTRALIZED TREAT RECYCLE
- INJECTION DISPOSAL
- LANDFILL
- PUBLIC SEWAGE TR
- RESIDUAL WASTE PF (PERMIT)
- RESIDUAL WASTE PF FACILITY
- RESIDUAL WASTE TR

Mining

Coal Mining Operations

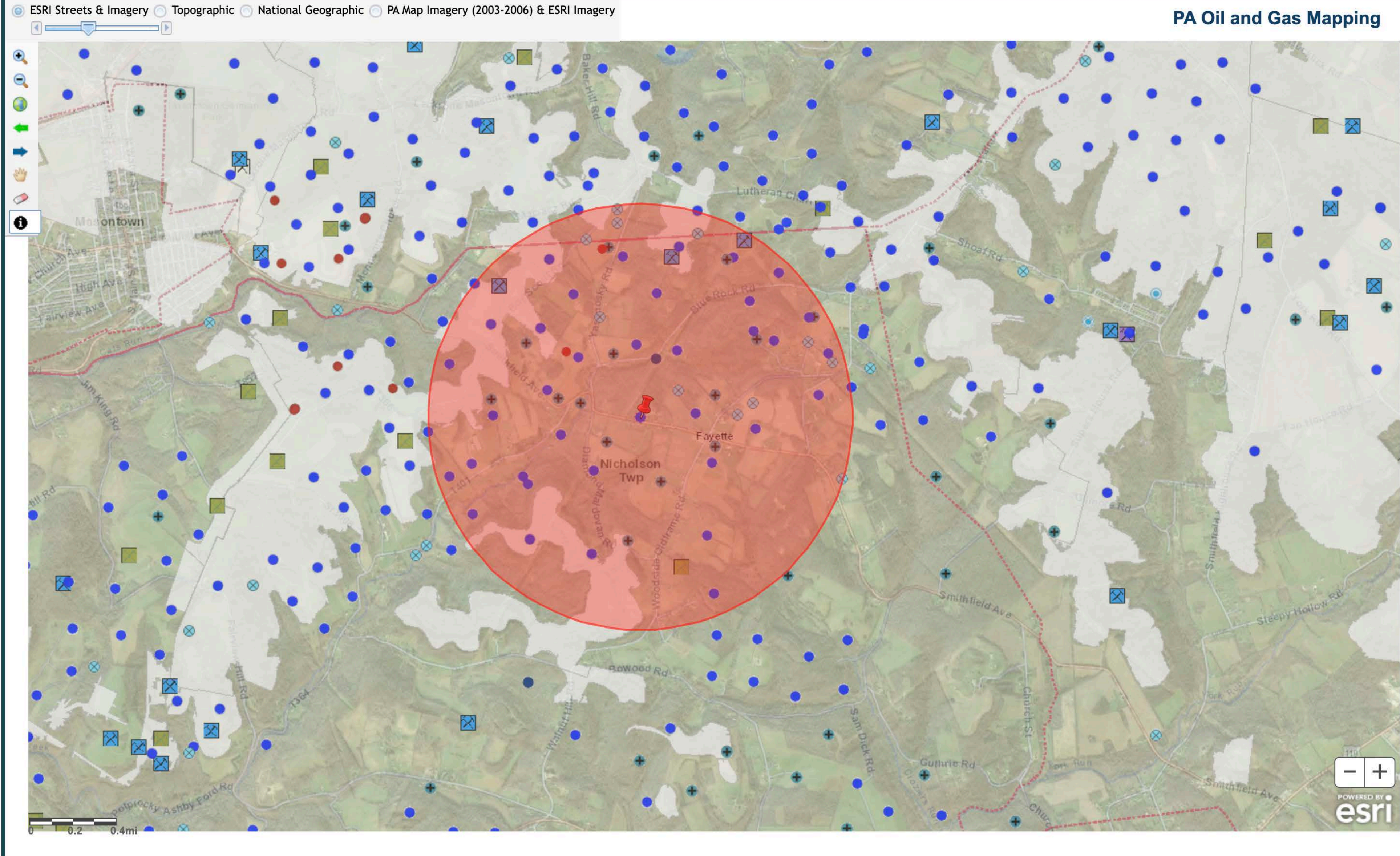
- Anthracite River Dredg
- Coal Aboveground Stor
- Discharge Point
- Mineral Preparation Pla
- Mining Stormwater GP
- NPDES Discharge Poir
- Post Mining Treatment
- Refuse Disposal Facilit
- Refuse Reprocessing
- Surface Mine
- Underground Anthracit
- Underground Mine

Digitized Mined Area

- 

Base Layers

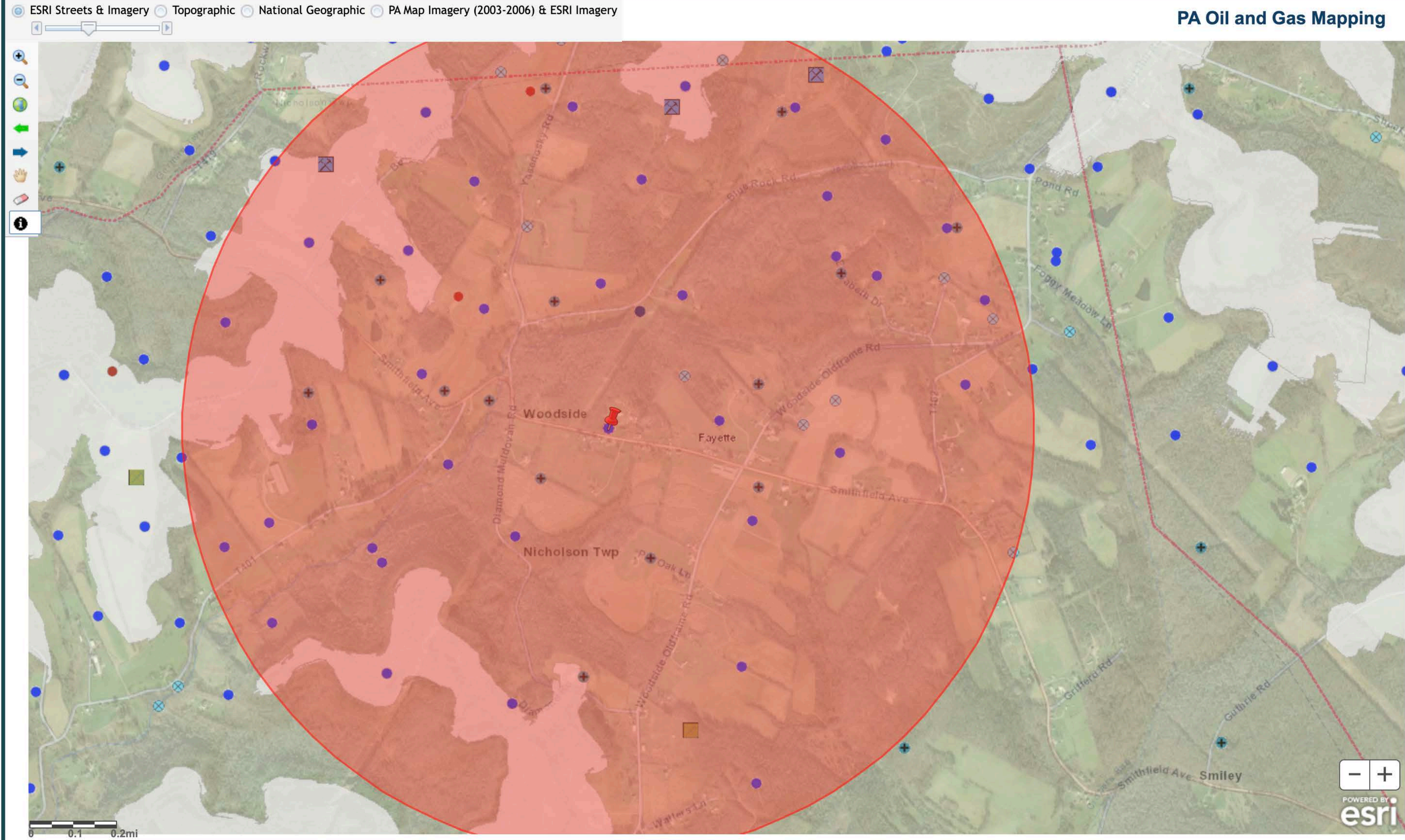
County Boundaries





# 1 Mile Radius

## PA Oil and Gas Mapping



**Legend**

- Abandoned Oil
- Abandoned Oil Gas
- Dry Hole
- Gas Well
- Oil Well
- Oil Gas Well
- Well, No Data

**OGRE Waste Facilities**

- CENT WASTE TRT FA DISCHARGE
- CENTRALIZED TREAT RECYCLE
- INJECTION DISPOSAL
- LANDFILL
- PUBLIC SEWAGE TR
- RESIDUAL WASTE PF (PERMIT)
- RESIDUAL WASTE PF FACILITY
- RESIDUAL WASTE TR

**Mining**

**Coal Mining Operations**

- Anthracite River Dredg
- Coal Aboveground Stor
- Discharge Point
- Mineral Preparation Pla
- Mining Stormwater GP
- NPDES Discharge Poir
- Post Mining Treatment
- Refuse Disposal Facilit
- Refuse Reprocessing
- Surface Mine
- Underground Anthracite
- Underground Mine

**Digitized Mined Area**

- County Boundaries

ESRI Streets & Imagery Topographic National Geographic PA Map Imagery (2003-2006) & ESRI Imagery

Map navigation controls including zoom in (+), zoom out (-), home, and other standard GIS navigation icons.

0 0.1 0.2mi



**Attachment C**  
**Maps - PADEP EMapPA**

# eMapPA

Map eFacts Query Advanced Query

ESRI Streets & Imagery Topographic National Geographic

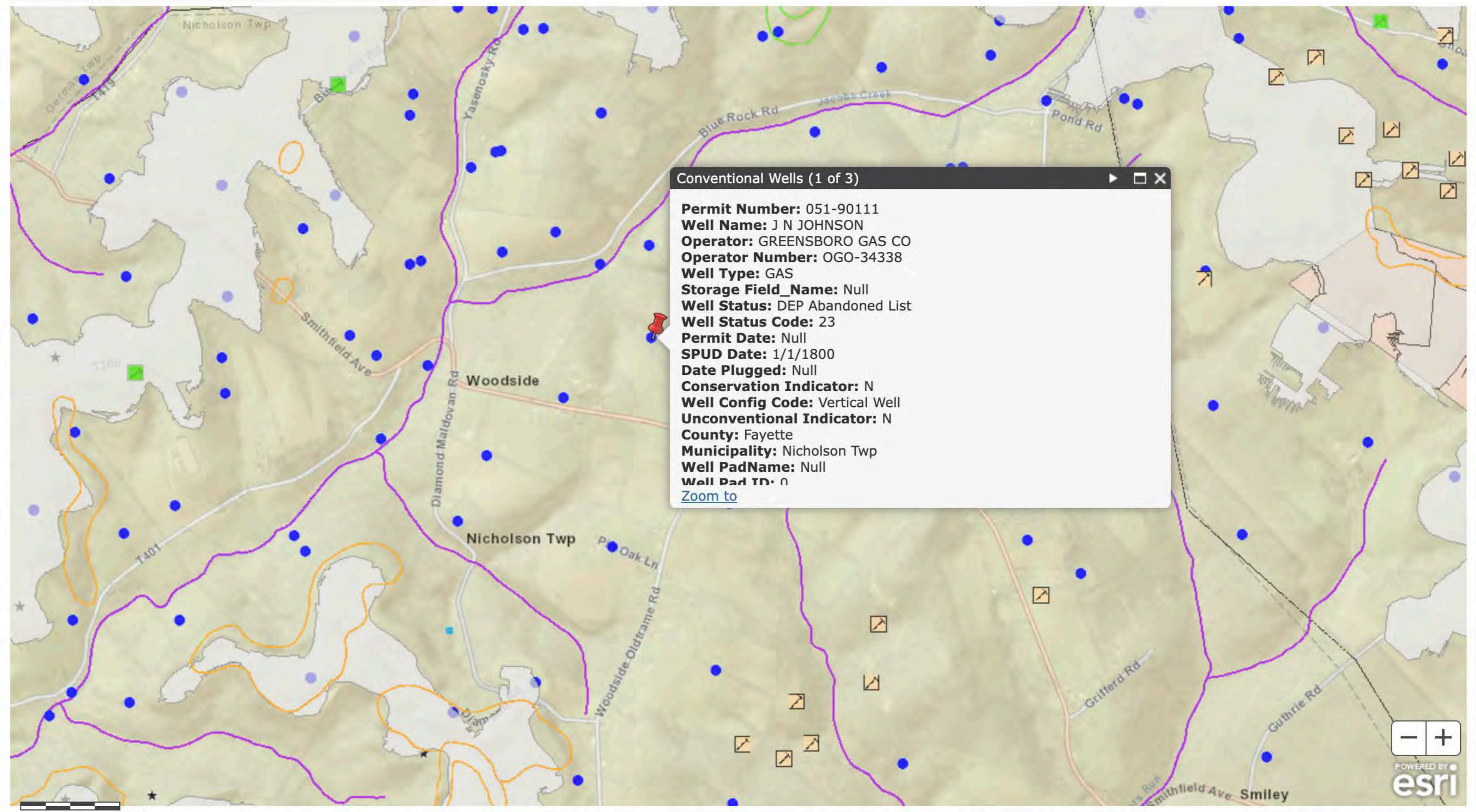
Streets Imagery



Layers Legend Tasks

Regulated Facilities and Related Information

- Mining
  - AML Point Feature
    - Abandoned
    - Reclamation Complete
  - AML Polygon Feature
    - Abandoned
    - Reclamation Complete
  - Digitized Mined Area
  - Industrial Mineral Mining Surface Mine Permits
  - Mylar Mine Portals and Seam Elevations
  - PA Historic Underground Mine Permits
- Oil and Gas
  - Conventional Wells
- Streams and Water Resources
  - Surface Water Related
    - PAGWIS Well Water Inventory
    - PAGWIS Springs
- Water Quality



**Conventional Wells (1 of 3)**

**Permit Number:** 051-90111  
**Well Name:** J N JOHNSON  
**Operator:** GREENSBORO GAS CO  
**Operator Number:** OGO-34338  
**Well Type:** GAS  
**Storage Field\_Name:** Null  
**Well Status:** DEP Abandoned List  
**Well Status Code:** 23  
**Permit Date:** Null  
**SPUD Date:** 1/1/1800  
**Date Plugged:** Null  
**Conservation Indicator:** N  
**Well Config Code:** Vertical Well  
**Unconventional Indicator:** N  
**County:** Fayette  
**Municipality:** Nicholson Twp  
**Well PadName:** Null  
**Well Pad ID:** 0  
[Zoom to](#)

# eMapPA

Layers Legend Tasks

## Legend

### Regulated Facilities and Related Information

#### Mining

##### AML Point Feature

- Abandoned
- Reclamation Complete

##### AML Polygon Feature

- Abandoned
- Reclamation Complete

##### Digitized Mined Area



##### Industrial Mineral Mining Surface Mine Permits



##### Mylar Mine Portals and Seam Elevations



##### PA Historic Underground Mine Permits



#### Oil and Gas

##### Conventional Wells



#### Streams and Water Resources

##### Surface Water Related

##### PAGWIS Well Water Inventory



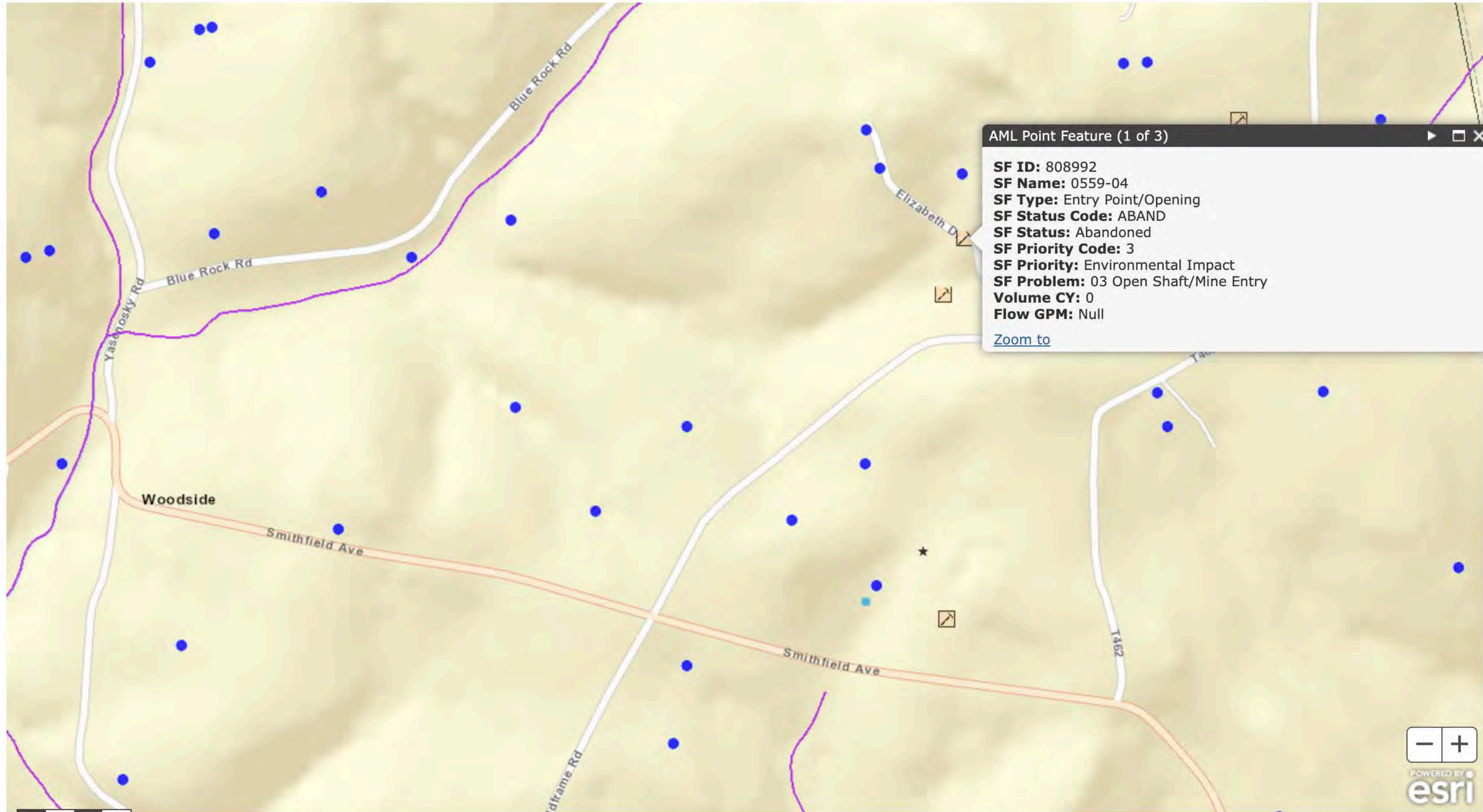
Map eFacts Query Advanced Query

ESRI Streets & Imagery Topographic National Geographic

Streets Imagery



Identify



**AML Point Feature (1 of 3)**

**SF ID:** 808992  
**SF Name:** 0559-04  
**SF Type:** Entry Point/Opening  
**SF Status Code:** ABAND  
**SF Status:** Abandoned  
**SF Priority Code:** 3  
**SF Priority:** Environmental Impact  
**SF Problem:** 03 Open Shaft/Mine Entry  
**Volume CY:** 0  
**Flow GPM:** Null

[Zoom to](#)



# eMapPA

Layers Legend Tasks

Regulated Facilities and Related Information

Mining

- AML Point Feature
  - Abandoned
  - Reclamation Complete
- AML Polygon Feature
  - Abandoned
  - Reclamation Complete
- Digitized Mined Area
- Industrial Mineral Mining Surface Mine Permits
- Mylar Mine Portals and Seam Elevations
- PA Historic Underground Mine Permits

Oil and Gas

- Conventional Wells

Streams and Water Resources

- Surface Water Related
  - PAGWIS Well Water Inventory
  - PAGWIS Springs

Water Quality

Map eFacts Query Advanced Query

ESRI Streets & Imagery Topographic National Geographic

Streets Imagery

3 PAGWIS Well Water Inventory in selection.

Export all to CSV X

	County	Municipality	GDC.PAGWIS_ALL_WELLS.FID	Pa WellID
	FAYETTE	NICHOLSON	43660	47740
	FAYETTE	NICHOLSON	43659	47739
	FAYETTE	NICHOLSON	43661	47741

Community

POWERED BY esri

# eMapPA

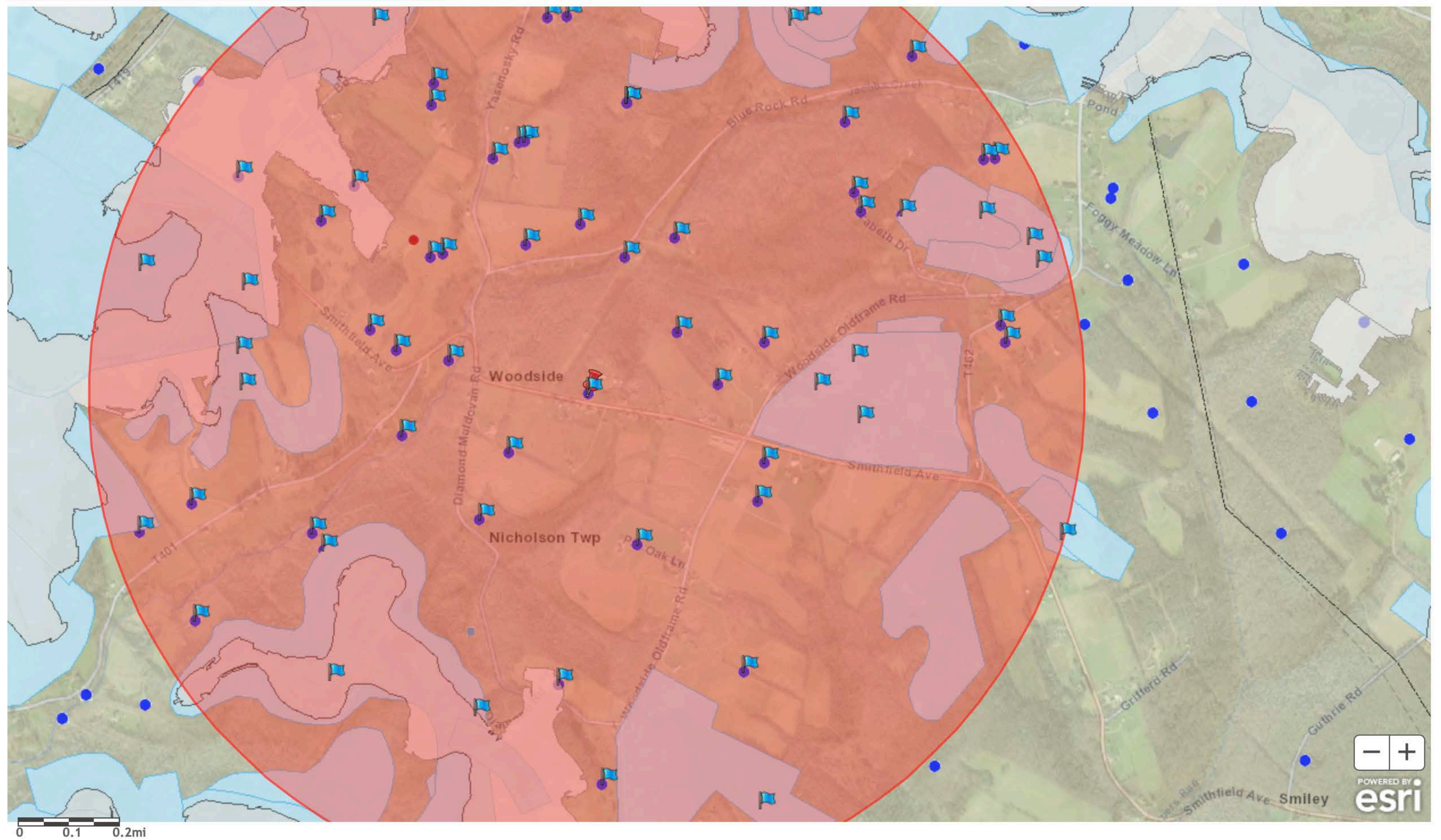
Layers    Legend    Tasks    Then ▶

- Legend**
- Regulated Facilities and Related Information
- Mining**
- Digitized Mined Area
  - Bituminous Surface Mine Permits
- Oil and Gas**
- Unconventional Wells
  - Conventional Wells
  - Conservation Wells
  - Plugged Conservation Wells
  - Abandoned and Orphaned Wells
    - Injection Well
    - Dry Hole
    - Gas Well
    - Oil Well
    - Oil & Gas Well
    - Temp Unspecify
    - Storage Well
    - Observation
    - Test
    - Unknown

Map    eFacts Query    Advanced Query

ESRI Streets & Imagery   
  Topographic   
  National Geographic

Streets   
  Imagery



**Attachment D**  
**Yasenosky 2 Blowout-Related Documents**



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS MANAGEMENT PROGRAM

WELL RECORD AND COMPLETION REPORT

DEP USE ONLY	
Site ID	Primary Facility ID
Client ID	Sub-facility ID

Well Operator <b>Atlas Resources, LLC</b>		DEP ID# <b>258624</b>	Well API # (Permit / Reg) <b>37-051-24048</b>	Project Number	Acres <b>16.8</b>
Address <b>800 Mountain View Drive</b>			Well Farm Name <b>Yasenosky</b>	Well # <b>2</b>	Serial #
City <b>Smithfield</b>	State <b>PA</b>	Zip Code <b>15478</b>	County <b>Greene</b>	Municipality <b>Nicholson</b>	
Phone <b>724-564-2360</b>	Fax <b>724-564-2365</b>	USGS 7 5 min quadrangle map <b>Smithfield, Pa.</b>			
Check all that apply: <input checked="" type="checkbox"/> Original Well Record <input checked="" type="checkbox"/> Original Completion Report <input type="checkbox"/> Amended Well Record <input type="checkbox"/> Amended Completion Report					

**WELL RECORD** Also complete Log of Formations on Back (page 2)

Well Type	<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Oil	<input type="checkbox"/> Combination Oil & Gas	<input type="checkbox"/> Injection	<input type="checkbox"/> Storage	<input type="checkbox"/> Disposal	
Drilling Method	<input checked="" type="checkbox"/> Rotary-Air	<input type="checkbox"/> Rotary-Mud	<input type="checkbox"/> Cabel Tool				
Date Drilling Started <b>9/25/2008</b>	Date Drilling Completed <b>9/30/2008</b>	Surface Elevation <b>1148 ft.</b>	Total Depth-Driller <b>5563 ft.</b>	Total Depth-Logger <b>5577 ft.</b>			
<b>Casing and Tubing</b>		Cement returned on Surface casing?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
		Cement returned on coal protective casing?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type Size Depth	Date Run
16 3/4	13 3/8	37#	Thr	20	Sanded in		9/25/08
12 1/4	9 5/8	26#	Thr	254	150 sxs cl A, 3% CaCl2 w, 1/2#flake	Shoe, Basket 9 5/8"	9/26/08
8 7/8	7"	19#	Thr	1181	90 sxs cl A, w 6% gel, 1/2#flake	Guide Shoe 7"	9/27/08
					100 sxs cl A, 3% CaCl2 w, 1/4#flake	Centralizers 7"	
6 1/4	4 1/2	10.5	Thr	4876	260 sxs 50/50 poz 2% gel 5# gilsonite	Plug 4 1/2" 4871	10/1/08
4	1 1/2	2.75	Thr	4662	Hanging	Packer at 2430 2 3/8 4662	10/17/08

**COMPLETION REPORT**

Perforation Record			Stimulation Record						
Date	Interval Perforated From To		Date	Interval Treated	Fluid Type Amount		Propping Agent Type Amount		Average Injection Rate
10/13/2008	4730	4735	10/14/2008	Fourth Elk	Foam	11700 gal	20/40 sand	150 sacks	10 BBL/M
10/14/2008	3162	3170	10/14/2008	Speechley	Foam	11000 gal	20/40 Sand	300 sacks	12 BBL/M
10/14/2008	3055	3060	10/14/2008	Speechley Stray	Foam	10000 gal	20/40 Sand	250 sacks	12 BBL/M
10/14/2008	2342	2360	10/14/2008	Fifth	Foam	14000 gal	20/40 Sand	450 sacks	20 BBL/M
			Fifth is venting out the backside due to blow out of abandoned well						
			Cement Top 1736						
Natural Open Flow				Natural Rock Pressure				Hours	Days
After Treatment Open Flow				After Treatment Rock Pressure				Hours	Days
0.35 MMCF/D				750 #				48	48

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NOV 14 2008

**Well Service Companies** -- Provide the name, address, and phone number of all well service companies involved.

Name <b>Phillips 1</b>	Name <b>Superior Well Services</b>	Name <b>Weatherford</b>
Address <b>542 Lutz School Rd.</b>	Address <b>1380 Rt 286 East</b>	Address <b>777 North River Ave</b>
City- State- Zip <b>Indiana, Pa. 15701</b>	City- State- Zip <b>Indiana, Pa. 15701</b>	City- State- Zip <b>Weston, Wv. 26452</b>
Phone <b>724-772-8747</b>	Phone <b>724-465-8904</b>	Phone <b>304-269-2009</b>



## LOG OF FORMATIONS

Well API#: 37-051-24048

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Dirt (no mine)	0	3		no shows	no shows	Driller
Sandstone & Shale	3	72				"
Coal	72	75				"
Limestone & Shale	75	315				"
Coal	315	320				"
Limestone & Shale	320	370				"
Shale	370	454				"
Limestone & Shale	454	535				"
Sandstone	535	780				"
Shale	780	1050				"
Limestone & Red Rock	1050	1210				"
Sandstone & Shale	1210	1617				"
Limestone & Shale	1617	2050				"
Limestone & Red Rock	2050	2178				"
Sandstone & Sand	2178	2500	2400' (log)			"
Shale	2500	2715				"
Shale	2715	2960				"
Limestone & Sand	2960	3285				"
Limestone & Sand	3285	3500				"
Limestone & Sand	3500	3746				"
Limestone & Sand	3746	4050				"
Shale	4050	4270				"
Sandstone & Sand	4270	4463				"
Sandstone & Sand	4463	4705				"
Sandstone & Sand	4705	4923				"
Sandstone & Sand	4923	5185				"
Sandstone & Shale	5185	5230				"
Sandstone	5230	5400				"
Limestone	5400	5563				"
TD - Driller	5563					Driller

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

DEP USE ONLY

Title: Robert D. Marik, Drilling &amp; Completion Manager

Date:

11-11-08

Reviewed by:

Date:

Comments:





**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**Oil and Gas Management Program**  
**WELL LOCATION PLAT**

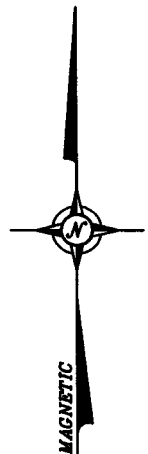


DEP Application Tracking # BCP-752142, 11/10/08  
 Permit # 051-00263  
 Project #  
 G: SKB  
 C:  
 CS

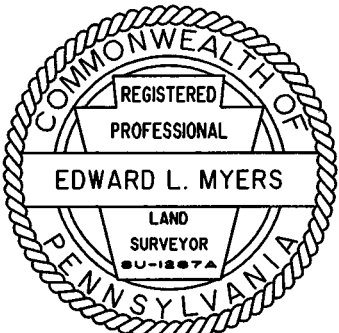
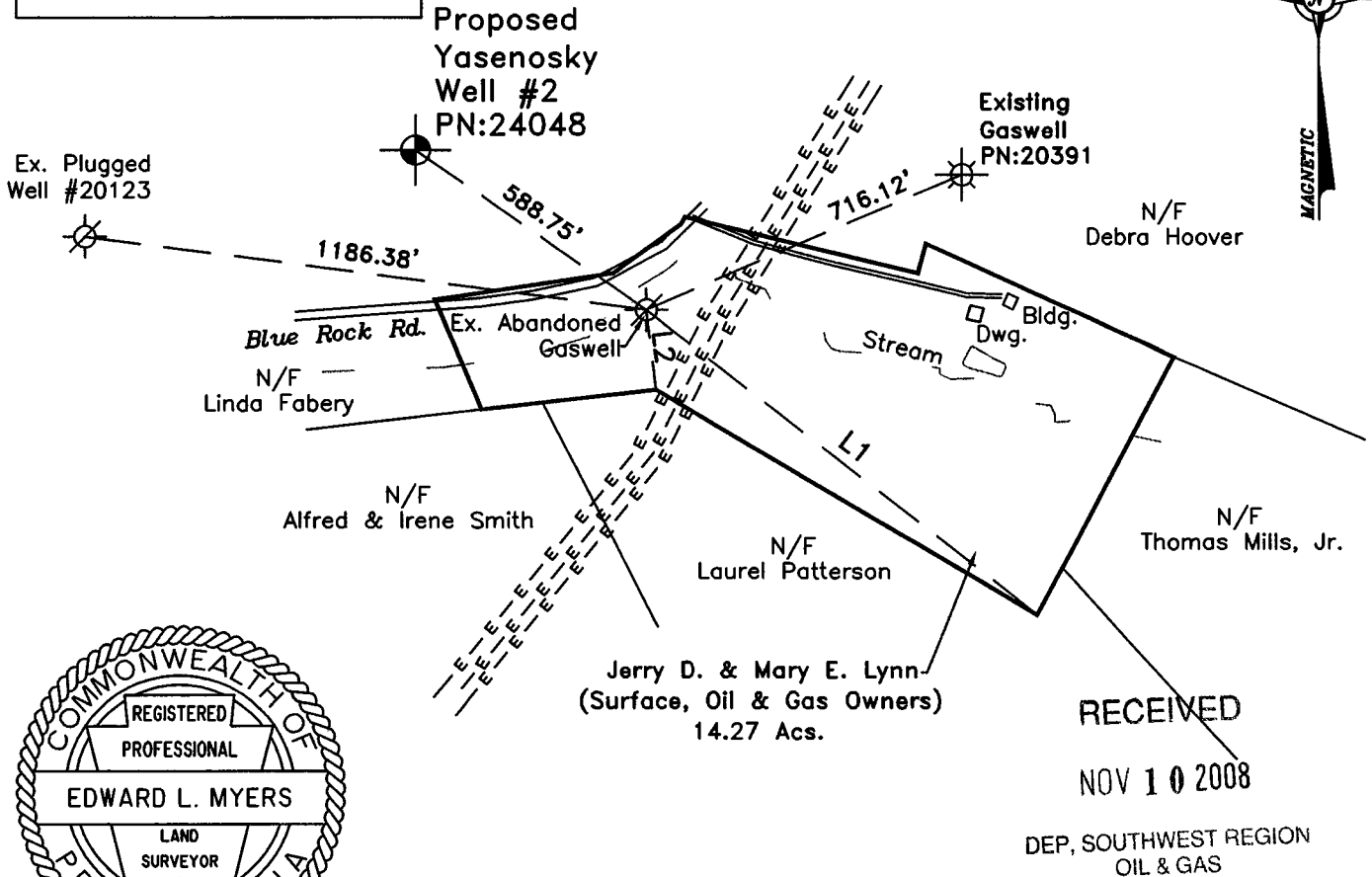
Well is located on topo map 13,158 feet south of latitude 39 ° 52 ' 30 "

Denotes location of well on topo map.  
 True Latitude: NORTH  
 39 ° 50 ' 20 . 00 "  
 True Longitude: WEST  
 79 ° 51 ' 10 . 91 "

LINE	BEARING	DISTANCE
L1	S 51°50'47" E	1032.71'
L2	S 06°56'16" E	169.13'



Well is located on topo map 5,532 feet west of longitude 79 ° 50 ' 00 "



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DEP, SOUTHWEST REGION  
 OIL & GAS

Surveyor: Fayette Engineering Company, Inc  
 Engineer: Edward L. Myers

Dwg: 1 Date: 11/07/08 Scale: 1" = 400'

Tax Map 24-04-62  
 Zoning A-1, Agncultural  
 Tract Acreage: 14.27 Acs

Lat & Lon Metadata ITPMP Accuracy 1/50" Ft. Datum NAD 27		Elevation Metadata Method GPSKN Accuracy 0.05' Ft. Datum NAD 29		Survey Date: 11/03/08
Applicant/Well Operator Name Atlas Resources, LLC		DEP ID# 258624	Well (Farm) Name Lynn	Well # 1
Address 800 Mountain View Drive, Smithfield, PA. 15478		County - Code Fayette	Municipality Nicholson Township	Well Type Shallow
Surface Landowner Jerry D. & Mary E. Lynn		USGS 7 1/2 Quadrangle Map Name Smithfield, PA		Map Section 1
Target Formation(s) Unknown		Angle & Course of Deviation (Drilling) 0°	Surface Elevation 1007 ft.	Anticipated Total Depth Unknown
Surface Owner or Water Purveyor with a Water Supply within 1000 ft. None	Approximate Course and Distance to Water Supply <i>(Signature)</i>	Owner, Lessee, or Operator of Workable Coal Seam Jerry & Mary E Lynn	Name of Coal Seam Owned, Leased, or Operated all	



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Oil & Gas Management Program

DEP USE ONLY	
Auth # 752143	APS # L62504
Site #	Facility #
FIX Client #	Sub-fac #

**Proposed Alternate Method or Material for  
Casing, Plugging, Venting or Equipping a Well**

Well Operator <b>Atlas Resources, LLC</b>	DEP ID #258624	Well Permit or Registration Number <b>37-051-00263</b>
Address <b>800 Mountain View Drive</b>		Well Farm Name <b>Lynn</b>
City <b>Smithfield</b>	State <b>PA</b>	Zip Code <b>15478</b>
Phone <b>(724) 564-2360</b>	Fax <b>(724) 564-2365</b>	Well # <b>#1</b>
	County: <b>Fayette</b>	Serial #
		Municipality <b>Nicholson</b>

A proposed alternate method is subject to provisions in Section 211 of the Oil and Gas Act, Section 13 of the Coal and Gas Resource Coordination Act, and 25 PA Code § 78.75 Alternate Methods. Attach proof of notification of coal operators.

Describe in reasonable detail using a written description and diagram if needed:

1. The proposed alternate method or materials, and
2. The manner in which the alternative will satisfy the requirements and goals of the laws and regulations.

**Clean out well to TD or attainable bottom. Remove all pipe we can or at least to a single string if possible. What pipe is left in the hole will be perforated every 100' and the hole will be cemented from the TD or attainable bottom to surface with expandable cement.**

RECEIVED

NOV 10 2008

DEP, SOUTHWEST REGION  
OIL & GAS

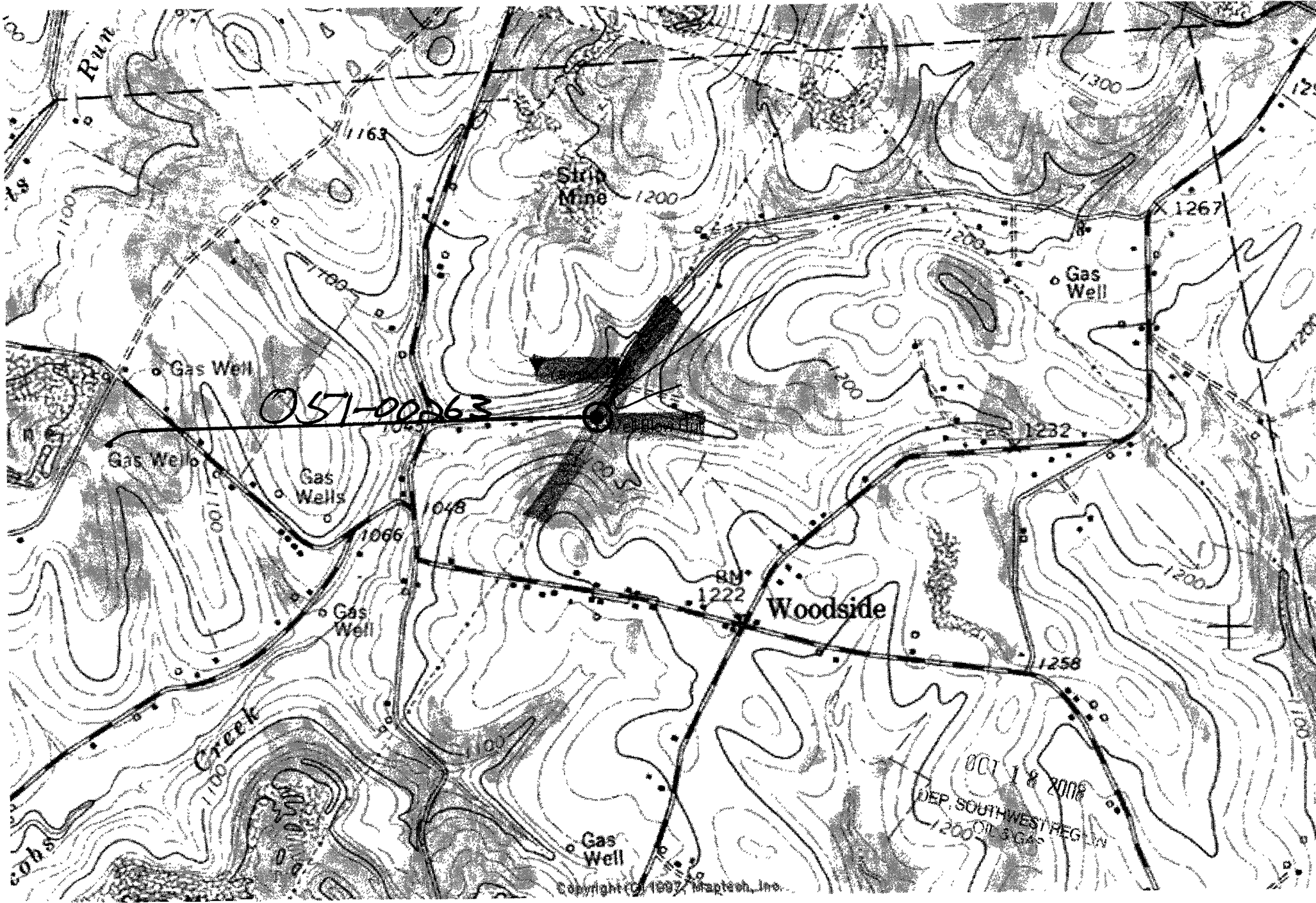
<p><b>Optional: Approval by Coal Owner or Operator</b></p> <p>Signature _____ Date _____</p> <p>Print or type signer's name and title <b>Jerry D. &amp; Mary E. Lynn</b></p>	<p><b>Signature of Applicant (Well Operator)</b></p> <p>Signature <i>Charles D. Eisiminger</i> Date <b>11/10/08</b></p> <p>Print or type signer's name and title <b>Chuck Eisiminger</b> <b>Atlas Resources Consultant</b></p>
--	--

If the coal owner or operator signs the optional approval, the 15-day objection period may be waived.

DEP USE ONLY		
Approved by: (DEP Representative) <i>[Signature]</i>	Conditions: <input type="checkbox"/> YES, see attached. <input type="checkbox"/> NO	Date <b>11/10/08</b>

Sec. 1 SMITHFIELD

051-00263



AUTH # 749082  
 SITE # 713108  
 CLNT # 268064  
 APS # 660641

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OIL AND GAS MANAGEMENT PROGRAM

DEP USE ONLY	
Check # <u>39042</u>	Amount
OGG #	Site Id#
APS	Geol. <u>EAD</u>
Auth ID	Date Appr

Well Registration or Notification

IDENTIFICATION OS1-00263 E/S/L

Please type or print SMITHFIELD/1

Name of applicant <u>MARY LYNN</u>		DEP ID # <u>268064</u>	The person submitting this information is a (check one) <input type="checkbox"/> Well operator, to register well(s) <input checked="" type="checkbox"/> Surface property owner, only	
Address <u>156 BLUE ROCK ROAD</u>		Project Number (If previously assigned by DEP)		
City <u>SMITHFIELD</u>	State <u>PA</u>	Zip Code <u>15478</u>	County <u>FAYETTE COUNTY</u>	
Phone	Fax	Applicant's Signature		

Use this form to register wells that were drilled before April 18, 1985 and have not been previously permitted, or to report abandoned wells on your property to DEP. A property owner is not subject to bonding and plugging requirements nor the registration fee for notifying DEP of an abandoned well, provided the owner of the surface real property on which the abandoned well is located did not participate in or incur costs in the drilling or extraction operation of the abandoned well, and had no right of control over the drilling or extraction operation of the abandoned well.

Please group wells by county Use a separate form to list wells in each different county

DEP Only API (Reg) #	Municipality	Well (Farm) Name	Well #	Serial #	Date Drilled	Well Type	Total Depth	Casing Record Size (dia) & Length (ft)	Type & Amount of Cement	Packers: Size/Type, Setting/Depth	Producing Horizons
<u>OS1-00263</u>	<u>SMITHFIELD</u>	<u>JETLICK LYNN</u>	<u>I</u>		<u>?</u>	<u>Gas</u>	<u>2258</u>	<u>8" ?</u>			<u>STH SAND</u>
		<u><del>BICE HRS</del></u> <u><del>14A</del></u>									
		<u><del>MASON TOWN</del></u>		<u><del>39 50 39</del></u>							
		<u><del>SECTION 13</del></u>		<u><del>49 51 16</del></u>							
		<u>SMITHFIELD</u>									
		<u>Sec. 1</u>									
<u>ABAND.</u>							<u>5,550' WEST</u>	<u>79° 50' 00"</u>			
							<u>13,200 SOUTH</u>	<u>39° 52' 30"</u>			

OCT 18 2008

DEP, SOUTHWEST REGION  
OIL & GAS

Checklist: Attachments required, if applicant is .....

- Well locations plotted on a 7 1/2 minute topographic map, or other description to enable the Department to find the well site
- Driller's log, if available
- Registration fee of \$15 per well, or \$250 blanket fee for 17 or more wells submitted for registration at the same time

...well operator

...surface property owner

Not applicable

Within 60 days of DEP issuing a registration number, the well operator must install the number on the well in a legible, conspicuous and permanent manner. If you are a surface property owner submitting notification of one or more abandoned wells on your property, provide what information you have about the wells.

**Attachment E**  
**PA GWIS Water Well Records**



DEPARTMENT OF CONSERVATION & NATURAL RESOURCES  
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY  
WATER WELL PROGRAM  
3240 Schoolhouse Rd  
Middletown, PA 17057  
717-702-2017

## WATER WELL INFORMATION REPORT

PA Well ID: **47739** Local Well ID: **FA 505** Local Permit #:

### LOCATION INFORMATION

Owner: **AMOCO PRODUCTION COMPANY** Original Paper Record Image Available: **No**

Address of Well:

County: **FAYETTE**

Municipality: **NICHOLSON TWP.**

Latitude: **39.83389** Coordinate Method:

Longitude: **-79.84417** Data Reliability: **FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)**

Description of Well  
Location and Other Notes:

### WELL CONSTRUCTION INFORMATION

Well Driller: **UNKNOWN** License: **1** Driller Well ID:

Type of Activity: Date Drilled: **1/1/1975** Drilling Method:

Well Depth (ft): **2688** Well Finish:

### WELL SIZE

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Diameter (in)</u>
<b>0</b>	<b>2688</b>	<b>12.5</b>

### CASING

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Diameter (in)</u>	<u>Casing Material</u>	<u>Seal Top</u>	<u>Seal Bottom</u>	<u>Seal Type</u>
<b>0</b>	<b>395</b>	<b>13.37</b>				

### GROUNDWATER AND GEOLOGICAL INFORMATION

Well Yield (GPM - gal per min): Yield Measurement Method:

Water Level when not pumped: Water Level after yield test:  
(ft below land surface) (ft below land surface)

Length of Yield Test (minutes): Saltwater Zone (ft):

Use of Well: **TEST** Use of Water: **OTHER**

Depth to Bedrock (ft): Was Well Drilled Into Bedrock? **Yes**

Date Printed: **7/22/2023**

DEPARTMENT OF CONSERVATION & NATURAL RESOURCES  
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY  
WATER WELL PROGRAM  
3240 Schoolhouse Rd  
Middletown, PA 17057  
717-702-2017

## WATER WELL INFORMATION REPORT

PA Well ID: **47740** Local Well ID: **FA 505** Local Permit #:

### LOCATION INFORMATION

Owner: **AMOCO PRODUCTION COMPANY** Original Paper Record Image Available: **No**

Address of Well:

County: **FAYETTE**

Municipality: **NICHOLSON TWP.**

Latitude: **39.83389** Coordinate Method:

Longitude: **-79.84417** Data Reliability: **FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)**

Description of Well  
Location and Other Notes:

### WELL CONSTRUCTION INFORMATION

Well Driller: **UNKNOWN** License: **1** Driller Well ID:

Type of Activity: Date Drilled: **1/1/1975** Drilling Method:

Well Depth (ft): **2680** Well Finish:

### WELL SIZE

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Diameter (in)</u>
<b>0</b>	<b>2680</b>	<b>12.25</b>

### CASING

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Diameter (in)</u>	<u>Casing Material</u>	<u>Seal Top</u>	<u>Seal Bottom</u>	<u>Seal Type</u>
<b>0</b>	<b>396</b>	<b>13.37</b>				

### GROUNDWATER AND GEOLOGICAL INFORMATION

Well Yield (GPM - gal per min): Yield Measurement Method:

Water Level when not pumped: Water Level after yield test:  
(ft below land surface) (ft below land surface)

Length of Yield Test (minutes): Saltwater Zone (ft):

Use of Well: **TEST** Use of Water: **OTHER**

Depth to Bedrock (ft): Was Well Drilled Into Bedrock? **Yes**

Date Printed: **7/22/2023**

DEPARTMENT OF CONSERVATION & NATURAL RESOURCES  
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY  
WATER WELL PROGRAM  
3240 Schoolhouse Rd  
Middletown, PA 17057  
717-702-2017

## WATER WELL INFORMATION REPORT

PA Well ID: **47741** Local Well ID: **FA 505** Local Permit #:

### LOCATION INFORMATION

Owner: **AMOCO PRODUCTION COMPANY** Original Paper Record Image Available: **No**

Address of Well:

County: **FAYETTE**

Municipality: **NICHOLSON TWP.**

Latitude: **39.83389** Coordinate Method:

Longitude: **-79.84417** Data Reliability: **FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)**

Description of Well  
Location and Other Notes:

### WELL CONSTRUCTION INFORMATION

Well Driller: **UNKNOWN** License: **1** Driller Well ID:

Type of Activity: Date Drilled: **1/1/1975** Drilling Method:

Well Depth (ft): **8697** Well Finish: **OPEN HOLE**

### WELL SIZE

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Diameter (in)</u>
<b>0</b>	<b>8697</b>	<b>8.37</b>

### CASING

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Diameter (in)</u>	<u>Casing Material</u>	<u>Seal Top</u>	<u>Seal Bottom</u>	<u>Seal Type</u>
<b>0</b>	<b>2708</b>	<b>9.37</b>				

### GROUNDWATER AND GEOLOGICAL INFORMATION

Well Yield (GPM - gal per min): Yield Measurement Method:

Water Level when not pumped: Water Level after yield test:  
(ft below land surface) (ft below land surface)

Length of Yield Test (minutes): Saltwater Zone (ft):

Use of Well: **TEST** Use of Water: **OTHER**

Depth to Bedrock (ft): Was Well Drilled Into Bedrock? **Yes**

Date Printed: **7/22/2023**

DEPARTMENT OF CONSERVATION & NATURAL RESOURCES  
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY  
WATER WELL PROGRAM  
3240 Schoolhouse Rd  
Middletown, PA 17057  
717-702-2017

## WATER WELL INFORMATION REPORT

PA Well ID: **103163** Local Well ID: **X 0239** Local Permit #:

### LOCATION INFORMATION

Owner: **LOULLER** Original Paper Record **No**  
**JAMES C** Image Available:  
Address of Well:  
County: **FAYETTE**  
Municipality: **NICHOLSON**  
**TWP.**  
Latitude: **39.82806** Coordinate Method:  
Longitude: **-79.85861** Data Reliability: **LOCATION MAY NOT BE ACCURATE (WWI paper)**  
Description of Well Location and Other Notes:

### WELL CONSTRUCTION INFORMATION

Well Driller: **MCCORMICK DRILLING CO** License: **0149** Driller Well ID:  
Type of Activity: **New Well** Date Drilled: Drilling Method:  
Well Depth (ft): **123** Well Finish: **OPEN HOLE**

### CASING

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Diameter (in)</u>	<u>Casing Material</u>	<u>Seal Top</u>	<u>Seal Bottom</u>	<u>Seal Type</u>
<b>0</b>		<b>6</b>				

### GROUNDWATER AND GEOLOGICAL INFORMATION

Well Yield (GPM - gal per min): **4** Yield Measurement Method:  
Water Level when not pumped: Water Level after yield test:  
(ft below land surface) (ft below land surface)  
Length of Yield Test (minutes): Saltwater Zone (ft):  
Use of Well: **WITHDRAWAL** Use of Water: **DOMESTIC**

### LEVELS WHERE WATER ENTERS WELL

<u>Top (ft)</u>	<u>Bottom (ft)</u>	<u>Yield (GPM)</u>
<b>60</b>		

Depth to Bedrock (ft): **18** Was Well Drilled Into Bedrock? **Yes**

Date Printed: **7/22/2023**

**Attachment F**  
**PADEP Spud Wells Data - Nicholson Twp., Fayette County**

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**SPUD Date Range: 1/1/1800 - 7/24/2023; County: 26 - Fayette; Municipality: 26926 - Nicholson Twp; Region: All; Operator: ; Well Configuration: All**

**Well Count: 316**

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
1/1/1800	051-20331	OGO-8191	ASHTOLA PROD CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FRANK J DEMASKE 1	GAS	Proposed But Never Materialized	39.829742	-79.834248	Vertical Well	Conventional
1/1/1800	051-20388	OGO-8191	ASHTOLA PROD CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FRANK N BLACK 1	GAS	Proposed But Never Materialized			Vertical Well	Conventional
1/1/1800	051-20363	OGO-8191	ASHTOLA PROD CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GIUSIPPE DEROSA 1	GAS	Proposed But Never Materialized			Vertical Well	Conventional
1/1/1800	051-20343	OGO-8191	ASHTOLA PROD CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ROBERT W HONSAKER 1	GAS	Proposed But Never Materialized	39.836941	-79.838606	Vertical Well	Conventional
1/1/1800	051-23093	OGO-66455	ATLAS RESOURCES LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ISAIAH RIFFLE 2	GAS	Plugged OG Well	39.846477	-79.856966	Vertical Well	Conventional
1/1/1800	051-20149	OGO-7099	BP PROD NORTH AMER INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FRANCIS R GRIFFING 1	GAS	Active			Vertical Well	Conventional
1/1/1800	051-20123	OGO-2017	COLUMBIA GAS TRANS LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FRANK & JOSEPHINE MOZE G919	UNDETERMIN ED	Plugged OG Well	39.839267	-79.856550	Vertical Well	Conventional
1/1/1800	051-20124	OGO-2017	COLUMBIA GAS TRANS LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	REPUBLIC COLLIERIES COMPANY G-895	UNDETERMIN ED	Plugged OG Well	39.809740	-79.872813	Vertical Well	Conventional
1/1/1800	051-23424	OGO-38582	DISCOVERY OIL & GAS LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WHYEL 1	GAS	Active	39.840624	-79.834434	Vertical Well	Conventional
1/1/1800	051-00176	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	E ORAVETS 670619	GAS	Active	39.840139	-79.842333	Vertical Well	Conventional
1/1/1800	051-00175	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J M BLOOM ETAL 670458	GAS	Active	39.842820	-79.844502	Vertical Well	Conventional

**SPUD Date Range: 1/1/1800 - 7/24/2023; County: 26 - Fayette; Municipality: 26926 - Nicholson Twp; Region: All; Operator: ; Well Configuration: All**

**Well Count: 316**

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
1/1/1800	051-00143	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SPRINGER HEIRS 670041	GAS	Active	39.781806	-79.902861	Vertical Well	Conventional
1/1/1800	051-00261	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TOM 9	GAS	Active	39.849208	-79.838237	Vertical Well	Conventional
1/1/1800	051-20483	OGO-3853	DOUGLAS OIL & GAS INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	COVER 2	GAS	Active	39.831768	-79.869161	Vertical Well	Conventional
1/1/1800	051-20484	OGO-3853	DOUGLAS OIL & GAS INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	COVER UNIT 1	GAS	Active	39.830410	-79.864174	Vertical Well	Conventional
1/1/1800	051-90048	OGO-4159	DUQUESNE NATURAL GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	C H HUHN 1	DRY HOLE	DEP Abandoned List	39.775223	-79.862454	Vertical Well	Conventional
1/1/1800	051-90043	OGO-4159	DUQUESNE NATURAL GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	CHARLES E BLACK 2	GAS	DEP Abandoned List	39.777968	-79.869927	Vertical Well	Conventional
1/1/1800	051-00024	OGO-4159	DUQUESNE NATURAL GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	NORA E COVER 315E	UNDETERMINED	Plugged OG Well	39.836154	-79.867397	Vertical Well	Conventional
1/1/1800	051-90041	OGO-4159	DUQUESNE NATURAL GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	VINCENT RYCZEK 1	DRY HOLE	DEP Abandoned List	39.830753	-79.8363	Vertical Well	Conventional
1/1/1800	051-90125	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	A C FRETTS	GAS	DEP Abandoned List	39.809917	-79.929230	Vertical Well	Conventional
1/1/1800	051-90119	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	A G STEVENSON	DRY HOLE	DEP Abandoned List	39.798085	-79.903249	Vertical Well	Conventional
1/1/1800	051-90022	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	AMERICAN COKE & FUEL 4	DRY HOLE	DEP Abandoned List	39.816752	-79.913397	Vertical Well	Conventional

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SPUD Date Range: 1/1/1800 - 7/24/2023; County: 26 - Fayette; Municipality: 26926 - Nicholson Twp; Region: All; Operator: ; Well Configuration: All

Well Count: 316

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
1/1/1800	051-90023	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	AMERICAN COKE & FUEL 5	DRY HOLE	DEP Abandoned List	39.812085	-79.894169	Vertical Well	Conventional
1/1/1800	051-90055	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	AMERICAN COKE & FUEL G-899	GAS	DEP Abandoned List	39.817988	-79.902537	Vertical Well	Conventional
1/1/1800	051-90027	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	C O MORRIS 1	DRY HOLE	DEP Abandoned List	39.789087	-79.885439	Vertical Well	Conventional
1/1/1800	051-90126	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	C W FOX 1	DRY HOLE	DEP Abandoned List	39.777968	-79.878678	Vertical Well	Conventional
1/1/1800	051-90026	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	D E LOWE 1	DRY HOLE	DEP Abandoned List	39.823478	-79.888472	Vertical Well	Conventional
1/1/1800	051-90121	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	D P EBERHART	GAS	DEP Abandoned List	39.727530	-79.893802	Vertical Well	Conventional
1/1/1800	051-90118	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DAVID GANS 3	GAS	DEP Abandoned List	39.799458	-79.897552	Vertical Well	Conventional
1/1/1800	051-90134	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	E D FULTON 1	GAS	DEP Abandoned List	39.802752	-79.899778	Vertical Well	Conventional
1/1/1800	051-90046	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	G W HILLEN 3	GAS	DEP Abandoned List	39.835908	-79.844160	Vertical Well	Conventional
1/1/1800	051-90117	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HARRY CAMPBELL 1	GAS	DEP Abandoned List	39.840060	-79.839330	Vertical Well	Conventional
1/1/1800	051-90112	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HUMPHREY	GAS	DEP Abandoned List	39.826223	-79.873154	Vertical Well	Conventional



**SPUD Date Range: 1/1/1800 - 7/24/2023; County: 26 - Fayette; Municipality: 26926 - Nicholson Twp; Region: All; Operator: ; Well Configuration: All**

**Well Count: 316**

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
1/1/1800	051-90145	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	I RIFFLE 2	GAS	DEP Abandoned List			Vertical Well	Conventional
1/1/1800	051-90129	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J A REARIGHT	GAS	DEP Abandoned List	39.7814	-79.896293	Vertical Well	Conventional
1/1/1800	051-90115	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J D MCCANN	GAS	DEP Abandoned List	39.825537	-79.874044	Vertical Well	Conventional
1/1/1800	051-90133	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J K DILS	GAS	DEP Abandoned List	39.782635	-79.895492	Vertical Well	Conventional
1/1/1800	051-90111	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J N JOHNSON	GAS	DEP Abandoned List	39.836732	-79.850821	Vertical Well	Conventional
1/1/1800	051-90135	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J R DILS 3	GAS	DEP Abandoned List	39.780576	-79.889532	Vertical Well	Conventional
1/1/1800	051-90054	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J W FAST 1	GAS	DEP Abandoned List	39.820376	-79.894169	Vertical Well	Conventional
1/1/1800	051-90127	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOHN MORRIS	GAS	DEP Abandoned List	39.785655	-79.893446	Vertical Well	Conventional
1/1/1800	051-90120	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOHN VESEY	GAS	DEP Abandoned List	39.799595	-79.901647	Vertical Well	Conventional
1/1/1800	051-90114	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOSEPH HIBLS 1	GAS	DEP Abandoned List	39.835084	-79.845565	Vertical Well	Conventional
1/1/1800	051-90116	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	LEANDER DILLS	GAS	DEP Abandoned List	39.794242	-79.872887	Vertical Well	Conventional

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SPUD Date Range: 1/1/1800 - 7/24/2023; County: 26 - Fayette; Municipality: 26926 - Nicholson Twp; Region: All; Operator: ; Well Configuration: All

Well Count: 316

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
1/1/1800	051-90113	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	M B LONGSTON	GAS	DEP Abandoned List	39.838653	-79.837193	Vertical Well	Conventional
1/1/1800	051-90124	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	M W FRANK	COMB. OIL&GAS	DEP Abandoned List	39.794653	-79.895950	Vertical Well	Conventional
1/1/1800	051-90128	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	REPUBLIC COLLERIES	GAS	DEP Abandoned List	39.804948	-79.904763	Vertical Well	Conventional
1/1/1800	051-90123	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	S C FAST	GAS	DEP Abandoned List	39.802889	-79.882597	Vertical Well	Conventional
1/1/1800	051-90122	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SAMUEL FAST	GAS	DEP Abandoned List	39.806870	-79.894704	Vertical Well	Conventional
1/1/1800	051-90050	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SAMUEL KOPSKY 1	GAS	DEP Abandoned List	39.838241	-79.833808	Vertical Well	Conventional
1/1/1800	051-90132	OGO-34338	GREENSBORO GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SPREIGER	GAS	DEP Abandoned List	39.788469	-79.895937	Vertical Well	Conventional
1/1/1800	051-00195	OGO-28087	HUFFMAN ARTHUR	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JAMES MILLER 1	GAS	Abandoned	39.784006	-79.840917	Vertical Well	Conventional
1/1/1800	051-00080	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ALFRED CINCI G929	UNDETERMINED	Plugged OG Well	39.836223	-79.861428	Vertical Well	Conventional
1/1/1800	051-00036	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	C P GOODWIN G655	GAS	Plugged OG Well	39.826524	-79.855290	Vertical Well	Conventional
1/1/1800	051-00007	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DAVID GANS G427	UNDETERMINED	DEP Abandoned List	39.802064	-79.887028	Vertical Well	Conventional

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1/1/1800	051-20113	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DAVID LONGANECKER G244	UNDETERMINED	Plugged OG Well	39.839975	-79.864256	Vertical Well	Conventional
1/1/1800	051-00076	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DOMINICK DIAMOND G915	UNDETERMINED	Plugged OG Well	39.833253	-79.857176	Vertical Well	Conventional
1/1/1800	051-00061	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	EMMA HONSAKER G670	UNDETERMINED	Plugged OG Well	39.836450	-79.847550	Vertical Well	Conventional
1/1/1800	051-00002	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOHN & EFFIE HOSPODAVIS G934	UNDETERMINED	DEP Abandoned List	39.841779	-79.857774	Vertical Well	Conventional
1/1/1800	051-00016	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOSEPHUS RIFFLE G608	UNDETERMINED	Plugged OG Well	39.845675	-79.846534	Vertical Well	Conventional
1/1/1800	051-00027	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	LUDWICK ORAVEC G669	UNDETERMINED	Plugged OG Well	39.840222	-79.843884	Vertical Well	Conventional
1/1/1800	051-00022	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	REPUBLIC COLLERIES CO G935	UNDETERMINED	Plugged OG Well	39.811674	-79.910371	Vertical Well	Conventional
1/1/1800	051-00077	OGO-5371	MANUFACTURERS LIGHT & HEAT CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WHYEL COKE COMPANY G667	UNDETERMINED	Plugged OG Well	39.841772	-79.838813	Vertical Well	Conventional
1/1/1800	051-20137	OGO-11491	ORVILLE EBERLY	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HUGH W SACKETT 3	GAS	Plugged OG Well	39.784127	-79.838171	Vertical Well	Conventional
1/1/1800	051-20107	OGO-11491	ORVILLE EBERLY	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	MIKE BILEK 1	GAS	Plugged OG Well	39.804811	-79.880415	Vertical Well	Conventional
1/1/1800	051-00081	OGO-11491	ORVILLE EBERLY	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SAMUEL J DICK 1	GAS	Plugged OG Well	39.799098	-79.832629	Vertical Well	Conventional

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1/1/1800	051-00111	OGO-39567	THE PRODUCTION CO LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERKSHIRE 1	GAS	Active	39.833735	-79.861243	Vertical Well	Conventional
1/1/1800	051-00235	OGO-39567	THE PRODUCTION CO LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	C. BIXLER 1	GAS	Active	39.770831	-79.882770	Vertical Well	Conventional
1/1/1800	051-00105	OGO-39567	THE PRODUCTION CO LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	MAYHER 1	GAS	Active	39.836807	-79.862434	Vertical Well	Conventional
1/1/1800	051-90186	OGO-99999	UNKNOWN OPR	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DAVID GANS G-3029	GAS	DEP Abandoned List	39.806046	-79.880194	Vertical Well	Conventional
1/1/1800	051-90188	OGO-99999	UNKNOWN OPR	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	S T GRAY 1	GAS	DEP Abandoned List	39.841398	-79.892311	Vertical Well	Conventional
5/9/1930	051-00025	OGO-4159	DUQUESNE NATURAL GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	L L ROBINSON 250E	GAS	Plugged OG Well	39.779860	-79.896888	Vertical Well	Conventional
9/9/1930	051-00245	OGO-13321	PA DEP OFC OIL & GAS MGMT	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HUMPHREY 1	GAS	DEP Orphan List	39.816890	-79.864079	Vertical Well	Conventional
1/17/1931	051-20404	OGO-2017	COLUMBIA GAS TRANS LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WALTER S & JANE E RHODES 0	GAS	Plugged OG Well	39.788587	-79.880648	Vertical Well	Conventional
2/3/1941	051-00011	OGO-4159	DUQUESNE NATURAL GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOHN SPAK 329	GAS	Plugged OG Well	39.832956	-79.847551	Vertical Well	Conventional
1/16/1956	051-00014	OGO-18319	WALKER H E	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DONALD E CUNNINGHAM 1	UNDETERMINED	Plugged OG Well	39.787412	-79.905239	Vertical Well	Conventional
1/30/1975	051-20153	OGO-39307	EQT CHAP LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FRANCIS R GRIFFIN (O&G)T & A GLEBIS 1	GAS	Active	39.834123	-79.843956	Vertical Well	Conventional

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7/13/1977	051-20179	OGO-32516	COTTONWOOD PROD CO INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DONALD R MCCANN 1	GAS	Plugged OG Well	39.812190	-79.846524	Vertical Well	Conventional
7/22/1981	051-20279	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WALTER O & HELEN LOUISE HANSON 1	GAS	Active	39.813306	-79.859972	Vertical Well	Conventional
9/9/1981	051-20289	OGO-8191	ASHTOLA PROD CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ROSE MARIE BLACK 1	GAS	Plugged OG Well	39.824309	-79.827101	Vertical Well	Conventional
11/9/1982	051-20333	OGO-31876	CASTLE EXPLORATION CO INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	A O MCCLANAHAN 1	GAS	Plugged OG Well	39.824133	-79.841095	Vertical Well	Conventional
5/7/1984	051-20391	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	LOUTHER WEDGE 1	GAS	Active	39.839472	-79.850908	Vertical Well	Conventional
6/20/1984	051-20408	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ROBERT W HONSAKER 1	GAS	Active	39.836444	-79.838417	Vertical Well	Conventional
1/26/1985	051-20428	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DOROTHY GALICA ET VIR 1	GAS	Active	39.840778	-79.844139	Vertical Well	Conventional
3/28/1985	051-20435	OGO-33260	JOSEPH P & MILDRED E DEMASKE	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	RUTH V DEMASKE ET AL 1	GAS	Active	39.826889	-79.848306	Vertical Well	Conventional
2/28/1987	051-20470	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ORVILLE HIGINBOTHAM 1	GAS	Active	39.834945	-79.854193	Vertical Well	Conventional
8/22/1987	051-20477	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	EARL DIAMOND 1	GAS	Active	39.831299	-79.858287	Vertical Well	Conventional
1/2/1988	051-20481	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HONSAKER 2	GAS	Active	39.834391	-79.832875	Vertical Well	Conventional

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1/9/1988	051-20486	OGO-3853	DOUGLAS OIL & GAS INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SPAK UNIT 1	GAS	Plugged OG Well	39.835905	-79.859446	Vertical Well	Conventional
3/12/1988	051-20482	OGO-68325	RE GAS DEV LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DEROSA 1	GAS	Plugged OG Well	39.830559	-79.852323	Vertical Well	Conventional
3/31/1989	051-20505	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	A.H. COVER 1	GAS	Active	39.830885	-79.864607	Vertical Well	Conventional
11/25/1989	051-20500	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	H. MURPHY UNIT 1	GAS	Active	39.835221	-79.849297	Vertical Well	Conventional
12/26/1991	051-20602	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	USX/DEMASKE UNIT 1	GAS	Active	39.825617	-79.858445	Vertical Well	Conventional
12/30/1992	051-20606	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FRANCES R. GRIFFIN UNIT 2	GAS	Active	39.831823	-79.847810	Vertical Well	Conventional
6/15/1994	051-20726	OGO-17647	SNYDER BROS INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KLEIN 1-121	GAS	Plugged OG Well	39.809545	-79.849647	Vertical Well	Conventional
7/31/1998	051-20966	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	USX/DEMASKE 2	GAS	Active	39.826662	-79.863940	Vertical Well	Conventional
8/6/1998	051-20936	OGO-38818	REX ENERGY OPERATING CORP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SACKETT UNIT 1	GAS	Plugged OG Well	39.810444	-79.840374	Vertical Well	Conventional
11/4/1998	051-21044	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	W DICK 1	GAS	Active	39.810027	-79.834947	Vertical Well	Conventional
5/29/1999	051-21091	OGO-3853	DOUGLAS OIL & GAS INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	CORREAL UNIT 1	GAS	Plugged OG Well	39.813361	-79.837540	Vertical Well	Conventional

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8/16/1999	051-21102	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	W DICK 2	GAS	Active	39.808083	-79.832234	Vertical Well	Conventional
12/7/1999	051-21114	OGO-3853	DOUGLAS OIL & GAS INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	W DICK 3	GAS	Plugged OG Well	39.806972	-79.835873	Vertical Well	Conventional
6/20/2001	051-21268	OGO-3853	DOUGLAS OIL & GAS INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HAMILTON 1	GAS	Plugged OG Well	39.810616	-79.829012	Vertical Well	Conventional
7/3/2003	051-21742	OGO-39623	APOLLO RESOURCES LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HAMILTON-JOHNSON UNIT 1	GAS	Active	39.807861	-79.827540	Vertical Well	Conventional
3/12/2004	051-21782	OGO-68975	KRIEBEL WELLS DISSOLUTION CO LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	F TRIPLETT 1	GAS	Active	39.787778	-79.863791	Vertical Well	Conventional
3/31/2004	051-21783	OGO-68975	KRIEBEL WELLS DISSOLUTION CO LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	F TRIPLETT 2	GAS	Active	39.785028	-79.864152	Vertical Well	Conventional
6/9/2004	051-22188	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	AMRICK 1	GAS	Active	39.841244	-79.867393	Vertical Well	Conventional
7/20/2004	051-22189	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	AMRICK 2	GAS	Active	39.844010	-79.868914	Vertical Well	Conventional
7/29/2004	051-22176	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GEONOVESE 4	GAS	Active	39.836557	-79.882111	Vertical Well	Conventional
8/2/2004	051-22177	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GENOVESE 5	GAS	Active	39.839194	-79.880061	Vertical Well	Conventional
9/30/2004	051-22211	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	LECKRONE/USX 3	GAS	Active	39.839733	-79.884061	Vertical Well	Conventional

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10/5/2004	051-22210	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	LECKRONE/USX 2	GAS	Active	39.841586	-79.889114	Vertical Well	Conventional
10/11/2004	051-22251	OGO-8227	ATLAS RESOURCES INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVIICH 1	GAS	Plugged OG Well	39.828175	-79.896925	Vertical Well	Conventional
10/20/2004	051-22353	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVIICH 2	GAS	Active	39.826930	-79.893372	Vertical Well	Conventional
11/21/2004	051-22424	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVIICH 3	GAS	Active	39.830602	-79.910503	Vertical Well	Conventional
1/21/2005	051-22528	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WRIGHT 2	GAS	Active	39.812525	-79.893720	Vertical Well	Conventional
1/25/2005	051-22414	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WRIGHT 1	GAS	Active	39.815644	-79.895245	Vertical Well	Conventional
1/28/2005	051-22515	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DIAMOND 3	GAS	Active	39.834191	-79.876419	Vertical Well	Conventional
2/1/2005	051-22516	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DIAMOND 4	GAS	Active	39.831625	-79.874644	Vertical Well	Conventional
2/7/2005	051-22529	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WRIGHT 3	GAS	Active	39.815064	-79.891408	Vertical Well	Conventional
2/8/2005	051-22524	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DIAMOND/GENOV ESE UNIT 1	GAS	Active	39.836750	-79.878216	Vertical Well	Conventional
2/9/2005	051-22563	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	EWART 1	GAS	Active	39.850669	-79.872727	Vertical Well	Conventional



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2/24/2005	051-22576	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVICH 5	GAS	Active	39.824822	-79.908690	Vertical Well	Conventional
3/3/2005	051-22575	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVICH 4	GAS	Active	39.826947	-79.911476	Vertical Well	Conventional
6/20/2005	051-22706	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 10	GAS	Active	39.798475	-79.893064	Vertical Well	Conventional
6/30/2005	051-22715	OGO-8227	ATLAS RESOURCES INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 7	GAS	Plugged OG Well	39.798642	-79.897198	Vertical Well	Conventional
7/14/2005	051-22723	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BETCHY 1	GAS	Active	39.804139	-79.896181	Vertical Well	Conventional
7/20/2005	051-22724	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BETCHY 3	GAS	Active	39.804422	-79.8999	Vertical Well	Conventional
7/29/2005	051-22400	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 5	GAS	Active	39.813205	-79.908415	Vertical Well	Conventional
8/8/2005	051-22398	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 3	GAS	Active	39.817653	-79.904559	Vertical Well	Conventional
8/16/2005	051-22798	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRIPLETT 7	GAS	Active	39.773172	-79.864958	Vertical Well	Conventional
8/19/2005	051-22841	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 6	GAS	Active	39.801386	-79.895064	Vertical Well	Conventional
8/24/2005	051-22796	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRIPLETT 5	GAS	Active	39.774631	-79.861819	Vertical Well	Conventional

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8/31/2005	051-22780	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRIPLETT 8	GAS	Active	39.777447	-79.862410	Vertical Well	Conventional
9/1/2005	051-22779	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRIPLETT 1	GAS	Active	39.781922	-79.864238	Vertical Well	Conventional
9/9/2005	051-22719	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GILMORE 3	GAS	Active	39.792064	-79.864785	Vertical Well	Conventional
9/11/2005	051-22797	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRIPLETT 6	GAS	Active	39.778875	-79.858746	Vertical Well	Conventional
9/14/2005	051-22778	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GILMORE 5	GAS	Active	39.790127	-79.858097	Vertical Well	Conventional
9/22/2005	051-22824	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 8	GAS	Active	39.800764	-79.869436	Vertical Well	Conventional
10/7/2005	051-22866	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SHOAF/HAGGERT Y 5	GAS	Active	39.780017	-79.884019	Vertical Well	Conventional
10/12/2005	051-22834	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRUMP 1	GAS	Active	39.791833	-79.882775	Vertical Well	Conventional
10/19/2005	051-22530	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WRIGHT 4	GAS	Active	39.812633	-79.887314	Vertical Well	Conventional
10/20/2005	051-22835	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRUMP 3	GAS	Active	39.789956	-79.880080	Vertical Well	Conventional
10/21/2005	051-22823	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 6	GAS	Active	39.794533	-79.871136	Vertical Well	Conventional

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**Well Count: 316**

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
10/21/2005	051-22983	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 12	GAS	Active	39.795181	-79.892414	Vertical Well	Conventional
10/25/2005	051-22940	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HEFFERN 1	GAS	Active	39.845869	-79.855746	Vertical Well	Conventional
10/27/2005	051-22984	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 15	GAS	Active	39.789167	-79.892503	Vertical Well	Conventional
10/31/2005	051-22899	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 13	GAS	Active	39.806736	-79.870738	Vertical Well	Conventional
11/7/2005	051-22827	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 11	GAS	Active	39.803914	-79.869558	Vertical Well	Conventional
11/16/2005	051-22828	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 14	GAS	Active	39.805044	-79.862488	Vertical Well	Conventional
11/16/2005	051-22941	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HEFFERN 2	GAS	Active	39.843388	-79.852735	Vertical Well	Conventional
11/22/2005	051-22829	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 15	GAS	Active	39.802814	-79.856482	Vertical Well	Conventional
11/30/2005	051-22859	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRUMP 2	GAS	Active	39.787897	-79.882542	Vertical Well	Conventional
12/2/2005	051-22831	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 17	GAS	Active	39.799980	-79.855124	Vertical Well	Conventional
12/2/2005	051-22825	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 9	GAS	Active	39.800675	-79.865444	Vertical Well	Conventional

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**Well Count: 316**

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
12/6/2005	051-22833	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER UNIT 20	GAS	Active	39.796903	-79.875486	Vertical Well	Conventional
12/7/2005	051-22895	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GENOVESE 6	GAS	Active	39.8024	-79.877083	Vertical Well	Conventional
12/8/2005	051-22893	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DANKLE 1	GAS	Active	39.802005	-79.848079	Vertical Well	Conventional
12/9/2005	051-22896	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GENOVESE 8	GAS	Active	39.798778	-79.872483	Vertical Well	Conventional
12/11/2005	051-23003	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	L&J EQUIPMENT 1	GAS	Active	39.829255	-79.914004	Vertical Well	Conventional
12/13/2005	051-22821	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 3	GAS	Active	39.788403	-79.876761	Vertical Well	Conventional
12/14/2005	051-22873	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 3	GAS	Active	39.798469	-79.846504	Vertical Well	Conventional
12/17/2005	051-23004	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	L&J EQUIPMENT 2	GAS	Active	39.832619	-79.913431	Vertical Well	Conventional
12/20/2005	051-22875	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 1	GAS	Active	39.800950	-79.844599	Vertical Well	Conventional
12/20/2005	051-23040	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 8	GAS	Active	39.791853	-79.845149	Vertical Well	Conventional
12/22/2005	051-23005	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	L&J EQUIPMENT 3	GAS	Active	39.835458	-79.912123	Vertical Well	Conventional

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**Well Count: 316**

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
12/29/2005	051-22901	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BLACK 3	GAS	Active	39.784789	-79.870394	Vertical Well	Conventional
1/3/2006	051-23007	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	L&J EQUIPMENT 5	GAS	Active	39.838539	-79.871088	Vertical Well	Conventional
1/4/2006	051-22862	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BLACK 5	GAS	Active	39.7827	-79.867988	Vertical Well	Conventional
1/5/2006	051-22877	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 5	GAS	Active	39.796817	-79.839432	Vertical Well	Conventional
1/10/2006	051-23009	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	L&J EQUIPMENT 7	GAS	Active	39.837294	-79.874673	Vertical Well	Conventional
1/10/2006	051-22795	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRIPLETT 3	GAS	Active	39.779147	-79.865258	Vertical Well	Conventional
1/13/2006	051-23061	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	REICHOLF 1	GAS	Active	39.794017	-79.830543	Vertical Well	Conventional
1/15/2006	051-22898	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 12	GAS	Active	39.804480	-79.873222	Vertical Well	Conventional
1/19/2006	051-22730	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BETCHY 2	GAS	Active	39.806764	-79.897723	Vertical Well	Conventional
1/21/2006	051-22813	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRIPLETT 4	GAS	Active	39.775917	-79.866389	Vertical Well	Conventional
1/27/2006	051-23098	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 5	GAS	Active	39.791656	-79.872450	Vertical Well	Conventional

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SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
2/1/2006	051-23099	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 7	GAS	Active	39.797222	-79.868291	Vertical Well	Conventional
2/9/2006	051-22822	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 4	GAS	Active	39.791250	-79.876175	Vertical Well	Conventional
2/12/2006	051-23062	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	REICHOLF 2	GAS	Active	39.795550	-79.823942	Vertical Well	Conventional
2/15/2006	051-22826	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 10	GAS	Active	39.803442	-79.865627	Vertical Well	Conventional
2/15/2006	051-22927	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DAVID 1	GAS	Active	39.805483	-79.857688	Vertical Well	Conventional
2/22/2006	051-22720	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GILMORE 4	GAS	Active	39.790178	-79.861835	Vertical Well	Conventional
3/5/2006	051-23133	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DICK 5	GAS	Active	39.795783	-79.833473	Vertical Well	Conventional
3/7/2006	051-23010	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FILIAGGI 1	GAS	Active	39.840091	-79.876330	Vertical Well	Conventional
3/10/2006	051-22867	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	PHILLIPS 8	GAS	Active	39.787656	-79.842482	Vertical Well	Conventional
3/14/2006	051-23153	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HORNSBY/DICK 4	GAS	Active	39.798197	-79.836151	Vertical Well	Conventional
3/20/2006	051-22819	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 1	GAS	Active	39.785117	-79.876253	Vertical Well	Conventional

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**Well Count: 316**

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
3/20/2006	051-23185	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 16	GAS	Active	39.801564	-79.859271	Vertical Well	Conventional
3/20/2006	051-22811	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 10	GAS	Active	39.791044	-79.854032	Vertical Well	Conventional
3/20/2006	051-22878	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 4	GAS	Active	39.798211	-79.842746	Vertical Well	Conventional
3/21/2006	051-23011	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FILIAGGI 2	GAS	Active	39.835091	-79.867260	Vertical Well	Conventional
3/21/2006	051-22812	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 11	GAS	Active	39.790967	-79.850118	Vertical Well	Conventional
3/21/2006	051-23006	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	L&J EQUIPMENT 4	GAS	Active	39.841465	-79.871712	Vertical Well	Conventional
3/21/2006	051-22868	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	PHILLIPS 9	GAS	Active	39.785320	-79.844671	Vertical Well	Conventional
3/21/2006	051-23173	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRUMP UNIT 5	GAS	Active	39.792742	-79.879289	Vertical Well	Conventional
3/22/2006	051-23187	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	VIGNALI 1	GAS	Active	39.843333	-79.860107	Vertical Well	Conventional
3/23/2006	051-22820	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 2	GAS	Active	39.786989	-79.873505	Vertical Well	Conventional
4/6/2006	051-22664	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DIAMOND 4	GAS	Active	39.831322	-79.878464	Vertical Well	Conventional

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4/18/2006	051-22663	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DIAMOND 3	GAS	Active	39.828591	-79.876727	Vertical Well	Conventional
4/26/2006	051-22662	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DIAMOND 2	GAS	Active	39.828358	-79.873111	Vertical Well	Conventional
5/3/2006	051-22856	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOHNS 1	GAS	Active	39.833952	-79.873024	Vertical Well	Conventional
5/4/2006	051-23158	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRUMP UNIT 7	GAS	Active	39.798589	-79.879505	Vertical Well	Conventional
5/7/2006	051-23211	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRUMP UNIT 8	GAS	Active	39.795494	-79.879391	Vertical Well	Conventional
5/9/2006	051-23239	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BLACK 4	GAS	Active	39.788375	-79.867213	Vertical Well	Conventional
5/10/2006	051-23201	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 21	GAS	Active	39.802439	-79.862488	Vertical Well	Conventional
5/10/2006	051-22855	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOHNS 2	GAS	Active	39.830944	-79.871138	Vertical Well	Conventional
5/15/2006	051-22854	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JOHNS 3	GAS	Active	39.828363	-79.869030	Vertical Well	Conventional
5/19/2006	051-23200	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 23	GAS	Active	39.806669	-79.867047	Vertical Well	Conventional
5/24/2006	051-22832	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER UNIT 19	GAS	Active	39.794031	-79.875189	Vertical Well	Conventional



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5/25/2006	051-23032	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	MCCLAIN 1	GAS	Active	39.789316	-79.835284	Vertical Well	Conventional
6/3/2006	051-23196	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 22	GAS	Active	39.799733	-79.861638	Vertical Well	Conventional
6/3/2006	051-23033	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	MCCLAIN 2	GAS	Active	39.791194	-79.827984	Vertical Well	Conventional
6/9/2006	051-22876	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 6	GAS	Active	39.795597	-79.846204	Vertical Well	Conventional
6/16/2006	051-23205	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 18	GAS	Active	39.789147	-79.870936	Vertical Well	Conventional
6/22/2006	051-22880	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 7	GAS	Active	39.795011	-79.842465	Vertical Well	Conventional
6/27/2006	051-22874	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 2	GAS	Active	39.799622	-79.850182	Vertical Well	Conventional
6/28/2006	051-22863	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BLACK 7	GAS	Active	39.782070	-79.871550	Vertical Well	Conventional
7/14/2006	051-22864	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BLACK 8	GAS	Active	39.779892	-79.868830	Vertical Well	Conventional
7/21/2006	051-23105	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GABELETTO 1	GAS	Active	39.821828	-79.895747	Vertical Well	Conventional
8/1/2006	051-23118	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GABELETTO 2	GAS	Active	39.818758	-79.896786	Vertical Well	Conventional

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SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
8/9/2006	051-23174	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GENOVESE UNIT 9	GAS	Active	39.801611	-79.873647	Vertical Well	Conventional
8/14/2006	051-23101	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GENOVESE 7	GAS	Active	39.799661	-79.876186	Vertical Well	Conventional
8/16/2006	051-23086	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 2	GAS	Active	39.820533	-79.904517	Vertical Well	Conventional
8/23/2006	051-23229	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BLACK 9	GAS	Active	39.776520	-79.876608	Vertical Well	Conventional
8/24/2006	051-23087	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 4	GAS	Active	39.816025	-79.907645	Vertical Well	Conventional
8/24/2006	051-23156	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JARRETT 1	GAS	Active	39.840969	-79.863019	Vertical Well	Conventional
9/11/2006	051-23316	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	MCCLAIN 3	GAS	Active	39.788333	-79.827595	Vertical Well	Conventional
9/14/2006	051-23317	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	MCCLAIN 4	GAS	Active	39.789917	-79.831401	Vertical Well	Conventional
9/15/2006	051-23388	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SHOAF/HAGGERT Y 2	GAS	Active	39.782036	-79.886889	Vertical Well	Conventional
9/27/2006	051-23389	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	YASENOSKY 1	GAS	Active	39.839017	-79.859675	Vertical Well	Conventional
10/9/2006	051-23414	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DOBISH 1	GAS	Active	39.812075	-79.897431	Vertical Well	Conventional

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11/3/2006	051-23443	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRUMP 4	GAS	Active	39.796278	-79.882811	Vertical Well	Conventional
11/7/2006	051-23307	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	PORUPSKI 3	GAS	Active	39.793817	-79.826601	Vertical Well	Conventional
11/15/2006	051-23308	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	PORUPSKI 4	GAS	Active	39.791772	-79.823967	Vertical Well	Conventional
12/3/2006	051-23373	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	MAROLT/KASIEVI CH 3	GAS	Active	39.805486	-79.876883	Vertical Well	Conventional
12/7/2006	051-23374	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	MAROLT/KASIEVI CH 2	GAS	Active	39.808055	-79.874594	Vertical Well	Conventional
12/8/2006	051-23473	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TAYLOR 4	GAS	Active	39.786733	-79.837843	Vertical Well	Conventional
12/16/2006	051-23314	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	PORUPSKI 1	GAS	Active	39.799433	-79.825190	Vertical Well	Conventional
1/8/2007	051-23484	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SHAFFER/GRIMM 5	GAS	Active	39.784906	-79.854291	Vertical Well	Conventional
1/13/2007	051-23483	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WILES/GRIMM 6	GAS	Active	39.784370	-79.858063	Vertical Well	Conventional
1/26/2007	051-23480	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	YELENICK 1	GAS	Active	39.803472	-79.905445	Vertical Well	Conventional
2/7/2007	051-23565	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BRUCE 7	GAS	Active	39.846138	-79.837401	Vertical Well	Conventional

SPUD Date Range: 1/1/1800 - 7/24/2023; County: 26 - Fayette; Municipality: 26926 - Nicholson Twp; Region: All; Operator: ; Well Configuration: All

Well Count: 316

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
2/10/2007	051-23558	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 18	GAS	Active	39.7987	-79.905162	Vertical Well	Conventional
2/11/2007	051-23571	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TAYLOR 5	GAS	Active	39.784581	-79.835573	Vertical Well	Conventional
2/19/2007	051-23472	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERISH 4	GAS	Active	39.806825	-79.888531	Vertical Well	Conventional
2/19/2007	051-23561	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	JENNA 3	GAS	Active	39.845816	-79.845921	Vertical Well	Conventional
2/24/2007	051-23471	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERISH 3	GAS	Active	39.803550	-79.892570	Vertical Well	Conventional
3/5/2007	051-23562	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ALYSSA 4	GAS	Active	39.844733	-79.841948	Vertical Well	Conventional
3/16/2007	051-23566	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KIM 8	GAS	Active	39.843760	-79.835593	Vertical Well	Conventional
4/27/2007	051-23464	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	TRIPLETT 2	GAS	Active	39.781481	-79.860099	Vertical Well	Unconventional
4/28/2007	051-22661	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	DIAMOND 1	GAS	Active	39.825916	-79.870944	Vertical Well	Conventional
5/3/2007	051-23585	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ALVIN DIAMOND 1	GAS	Active	39.826030	-79.879466	Vertical Well	Conventional
5/10/2007	051-23305	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	PORUPSKI 2	GAS	Active	39.796736	-79.827345	Vertical Well	Conventional

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**Well Count: 316**

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
5/11/2007	051-23607	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BENNINGER 24	GAS	Active	39.799475	-79.868280	Vertical Well	Unconventional
5/19/2007	051-23600	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WILLARD 3	GAS	Active	39.808741	-79.853588	Vertical Well	Conventional
5/24/2007	051-23599	OGO-66455	ATLAS RESOURCES LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WILLARD 2	GAS	Plugged OG Well	39.811594	-79.854263	Vertical Well	Conventional
5/30/2007	051-23622	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVIICH 10	GAS	Active	39.831622	-79.899967	Vertical Well	Conventional
6/6/2007	051-23598	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WILLARD 1	GAS	Active	39.813778	-79.851557	Vertical Well	Conventional
6/9/2007	051-23623	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVIICH 11	GAS	Active	39.829686	-79.896539	Vertical Well	Conventional
6/15/2007	051-23624	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVIICH 12	GAS	Active	39.828794	-79.901275	Vertical Well	Conventional
6/25/2007	051-23421	OGO-38582	DISCOVERY OIL & GAS LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SHULEK 1	GAS	Active	39.836961	-79.835448	Vertical Well	Conventional
6/25/2007	051-23485	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	RAFAIL/GRIMM 4	GAS	Active	39.787258	-79.857788	Vertical Well	Conventional
7/18/2007	051-23482	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	YELENICK 3	GAS	Active	39.801719	-79.902037	Vertical Well	Conventional
7/26/2007	051-23481	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	YELENICK 2	GAS	Active	39.801269	-79.908206	Vertical Well	Conventional

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Well Count: 316

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
7/30/2007	051-23695	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ROZAK 4	GAS	Active	39.822747	-79.879703	Vertical Well	Conventional
8/3/2007	051-23697	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SHOLTIS 1	GAS	Active	39.794097	-79.862405	Vertical Well	Conventional
8/6/2007	051-23696	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ROZAK 5	GAS	Active	39.820578	-79.882158	Vertical Well	Conventional
8/9/2007	051-23698	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SHOLTIS 2	GAS	Active	39.795567	-79.865455	Vertical Well	Conventional
8/10/2007	051-23694	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ROZAK 3	GAS	Active	39.822405	-79.885050	Vertical Well	Conventional
8/15/2007	051-23692	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ROZAK 1	GAS	Active	39.825230	-79.886739	Vertical Well	Conventional
8/18/2007	051-23699	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SHOLTIS 3	GAS	Active	39.796897	-79.862258	Vertical Well	Conventional
8/22/2007	051-23693	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ROZAK 2	GAS	Active	39.824686	-79.882764	Vertical Well	Conventional
8/23/2007	051-23705	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVICH 13	GAS	Active	39.823275	-79.900756	Vertical Well	Conventional
8/29/2007	051-23706	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVICH 15	GAS	Active	39.825155	-79.896170	Vertical Well	Conventional
8/31/2007	051-23725	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 22	GAS	Active	39.788861	-79.888714	Vertical Well	Conventional

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Well Count: 316

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
8/31/2007	051-23645	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J&B COAL BURKLAND 2	GAS	Active	39.810330	-79.907503	Vertical Well	Conventional
9/5/2007	051-23726	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 23	GAS	Active	39.791806	-79.8885	Vertical Well	Conventional
9/6/2007	051-23702	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVIICH 6	GAS	Active	39.828289	-79.907970	Vertical Well	Conventional
9/7/2007	051-23646	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	J&B COAL BURKLAND 3	GAS	Active	39.806347	-79.905184	Vertical Well	Conventional
9/22/2007	051-23736	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KENNEY 1	GAS	Active	39.832302	-79.894770	Vertical Well	Conventional
11/9/2007	051-23815	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WHYEL 4	GAS	Active	39.830218	-79.919709	Vertical Well	Conventional
11/27/2007	051-23813	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WHYEL 2	GAS	Active	39.827413	-79.919378	Vertical Well	Conventional
11/28/2007	051-23786	OGO-39679	DAKOTA OIL & GAS CO	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	ANDERSON FARM 1	GAS	Active	40.000303	-79.697452	Vertical Well	Conventional
11/28/2007	051-23788	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FYOCK 1	GAS	Active	39.820097	-79.900164	Vertical Well	Conventional
11/29/2007	051-23677	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WHYEL/DIAMOND 2	GAS	Active	39.839302	-79.837562	Vertical Well	Conventional
12/4/2007	051-23812	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WHYEL 1	GAS	Active	39.824566	-79.918923	Vertical Well	Conventional

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Well Count: 316

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
12/5/2007	051-23676	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WHYEL/DIAMOND 1	GAS	Active	39.841749	-79.839254	Vertical Well	Conventional
1/1/2008	051-23787	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FYOCK 2	GAS	Active	39.823714	-79.904817	Vertical Well	Conventional
1/3/2008	051-23814	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WHYEL 3	GAS	Active	39.826450	-79.915740	Vertical Well	Conventional
1/21/2008	051-23808	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BAKER 11	GAS	Active	39.845655	-79.862263	Vertical Well	Conventional
2/26/2008	051-23750	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	THOMPSON 36	GAS	Active	39.815925	-79.840468	Vertical Well	Conventional
3/4/2008	051-23747	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	THOMPSON 33	GAS	Active	39.819780	-79.835812	Vertical Well	Conventional
3/5/2008	051-23746	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	THOMPSON 32	GAS	Active	39.818655	-79.839268	Vertical Well	Conventional
3/9/2008	051-23748	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	THOMPSON 34	GAS	Active	39.817330	-79.847849	Vertical Well	Conventional
3/14/2008	051-23745	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	THOMPSON 31	GAS	Active	39.819839	-79.843793	Vertical Well	Conventional
3/19/2008	051-23749	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	THOMPSON 35	GAS	Active	39.816969	-79.844137	Vertical Well	Conventional
3/26/2008	051-23931	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVIICH 16	GAS	Active	39.823477	-79.891595	Vertical Well	Conventional



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Well Count: 316

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
4/8/2008	051-23901	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SPORTSMENS CLUB 2	GAS	Active	39.846538	-79.850774	Vertical Well	Conventional
5/3/2008	051-23751	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	THOMPSON 37	GAS	Active	39.816444	-79.836179	Vertical Well	Conventional
5/16/2008	051-23896	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HINES 1	GAS	Active	39.820119	-79.847399	Vertical Well	Conventional
5/27/2008	051-23895	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	WALTERS 1	GAS	Active	39.822916	-79.847668	Vertical Well	Conventional
6/6/2008	051-23877	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	PAULINE DIAMOND 3	GAS	Active	39.830875	-79.883080	Vertical Well	Conventional
6/6/2008	051-23876	OGO-69220	MURPHY PROD INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	PAULINE DIAMOND 4	GAS	Active	39.828819	-79.880453	Vertical Well	Conventional
7/2/2008	051-23989	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	YASENOSKY 3	GAS	Active	39.846383	-79.857618	Horizontal Well	Unconventional
9/23/2008	051-24048	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	YASENOSKY 2	GAS	Active	39.839878	-79.854504	Vertical Well	Conventional
10/1/2008	051-24087	OGO-13825	PENNECO OIL CO INC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	HAMILLA 3	GAS	Active	40.057358	-79.728925	Vertical Well	Conventional
10/13/2008	051-24090	OGO-38642	DORSO LP	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	SMITH 1	GAS	Active	39.840924	-79.834373	Vertical Well	Conventional
6/15/2009	051-24209	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BEZJAK 26	GAS	Active	39.799758	-79.891334	Vertical Well	Unconventional

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SPUD Date Range: 1/1/1800 - 7/24/2023; County: 26 - Fayette; Municipality: 26926 - Nicholson Twp; Region: All; Operator: ; Well Configuration: All

Well Count: 316

SPUD DATE	API / PERMIT	OGO #	OPERATOR	REGION	COUNTY	MUNICIPALITY	FARM NAME	WELL TYPE	WELL STATUS	LATITUDE	LONGITUDE	CONFIGURATION	UNCONVENTIONAL
6/15/2009	051-24210	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	KOVALIC 13	GAS	Active	39.794014	-79.843524	Vertical Well	Unconventional
7/15/2009	051-24216	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	YASENOSKY UNIT 4	GAS	Active	39.839416	-79.860789	Vertical Well	Unconventional
9/25/2009	051-24212	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	GENOVESE 10	GAS	Active	39.838366	-79.880994	Vertical Well	Unconventional
11/11/2009	051-24262	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	FILIAGGI 7	GAS	Active	39.836888	-79.876089	Vertical Well	Unconventional
11/13/2009	051-24272	OGO-65675	DIVERSIFIED PROD LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	BERTOVICH 25	GAS	Active	39.827214	-79.910145	Vertical Well	Unconventional
9/26/2012	051-24515	OGO-39307	EQT CHAP LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	REJISS UNIT 1H	GAS	Active	39.835447	-79.884836	Horizontal Well	Unconventional
9/26/2012	051-24516	OGO-39307	EQT CHAP LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	REJISS UNIT 2H	GAS	Active	39.835481	-79.884806	Horizontal Well	Unconventional
9/26/2012	051-24517	OGO-39307	EQT CHAP LLC	EP DOGO SWDO Dstr Off	Fayette	Nicholson Twp	REJISS UNIT 3H	GAS	Active	39.835514	-79.884775	Horizontal Well	Unconventional

**Attachment G**  
**PADEP Abandoned and Orphan Wells -**  
**Nicholson Twp.**

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County: 26 - Fayette; Municipality: 26926 - Nicholson Twp; Region: All  
Well Status: All  
Well Count: 40

REGION	COUNTY	MUNICIPALITY	API	WELL STATUS	STATUS DATE	PLUG COMPLETED DATE	FARM	WELL TYPE	USGS QUAD	QUAD SECTION	LATITUDE	LONGITUDE	LATITUDE OFFSET (FEET)	LONGITUDE OFFSET (FEET)	GPS LATITUDE	GPS LONGITUDE	LATITUDE DECIMAL	LONGITUDE DECIMAL
OG - SWRO	Fayette	Nicholson Twp	051-00002	DEP Abandoned List	08/17/2022		John & Effie Hospodavis G934	Undetermined	Smithfield	1					39° 50' 30.405"	-79° 51' 27.987"	39.841779	-79.857774
OG - SWRO	Fayette	Nicholson Twp	051-00007	DEP Abandoned List	08/17/2022		David Gans G427	Undetermined	Masontown	6					39° 48' 7.43"	-79° 53' 13.3"	39.802064	-79.887028
OG - SWRO	Fayette	Nicholson Twp	051-00245	DEP Orphan List	01/01/2013		Humphrey 1	Gas	Smithfield	4	395000	795000	6,150.00	8,700	39° 49' 0.8027"	-79° 51' 50.682"	39.816890	-79.864079
OG - SWRO	Fayette	Nicholson Twp	051-90022	DEP Abandoned List	03/08/2023		American Coke & Fuel 4	Dry Hole	Masontown						39° 49' 0.3072"	-79° 54' 48.229"	39.816752	-79.913397
OG - SWRO	Fayette	Nicholson Twp	051-90023	DEP Abandoned List	03/08/2023		American Coke & Fuel 5	Dry Hole	Masontown						39° 48' 43.506"	-79° 53' 39.008"	39.812085	-79.894169
OG - SWRO	Fayette	Nicholson Twp	051-90026	DEP Abandoned List	03/08/2023		D E Lowe 1	Dry Hole	Masontown						39° 49' 24.520"	-79° 53' 18.499"	39.823478	-79.888472
OG - SWRO	Fayette	Nicholson Twp	051-90027	DEP Abandoned List	03/08/2023		C O Morris 1	Dry Hole	Masontown						39° 47' 20.713"	-79° 53' 7.5804"	39.789087	-79.885439
OG - SWRO	Fayette	Nicholson Twp	051-90041	DEP Abandoned List	03/08/2023		Vincent Ryczek 1	Dry Hole	Smithfield						39° 49' 50.710"	-79° 50' 10.68"	39.830753	-79.8363
OG - SWRO	Fayette	Nicholson Twp	051-90043	DEP Abandoned List	03/08/2023		Charles E Black 2	Gas	Smithfield						39° 46' 40.684"	-79° 52' 11.737"	39.777968	-79.869927
OG - SWRO	Fayette	Nicholson Twp	051-90046	DEP Abandoned List	03/08/2023		G W Hillen 3	Gas	Smithfield						39° 50' 9.2688"	-79° 50' 38.976"	39.835908	-79.844160
OG - SWRO	Fayette	Nicholson Twp	051-90048	DEP Abandoned List	03/08/2023		C H Huhn 1	Dry Hole	Smithfield						39° 46' 30.802"	-79° 51' 44.834"	39.775223	-79.862454
OG - SWRO	Fayette	Nicholson Twp	051-90050	DEP Abandoned List	03/08/2023		Samuel Kopsky 1	Gas	Smithfield						39° 50' 17.667"	-79° 50' 1.7088"	39.838241	-79.833808
OG - SWRO	Fayette	Nicholson Twp	051-90054	DEP Abandoned List	03/08/2023		J W Fast 1	Gas	Masontown						39° 49' 13.353"	-79° 53' 39.008"	39.820376	-79.894169
OG - SWRO	Fayette	Nicholson Twp	051-90055	DEP Abandoned List	03/08/2023		American Coke & Fuel G-899	Gas	Masontown						39° 49' 4.7568"	-79° 54' 9.1332"	39.817988	-79.902537
OG - SWRO	Fayette	Nicholson Twp	051-90111	DEP Abandoned List	03/08/2023		J N Johnson	Gas	Smithfield						39° 50' 12.235"	-79° 51' 2.9556"	39.836732	-79.850821
OG - SWRO	Fayette	Nicholson Twp	051-90112	DEP Abandoned List	03/08/2023		Humphrey	Gas	Smithfield						39° 49' 34.402"	-79° 52' 23.354"	39.826223	-79.873154
OG - SWRO	Fayette	Nicholson Twp	051-90113	DEP Abandoned List	03/08/2023		M B Longston	Gas	Smithfield						39° 50' 19.150"	-79° 50' 13.894"	39.838653	-79.837193
OG - SWRO	Fayette	Nicholson Twp	051-90114	DEP Abandoned List	03/08/2023		Joseph Hibls 1	Gas	Smithfield						39° 50' 6.3024"	-79° 50' 44.034"	39.835084	-79.845565
OG - SWRO	Fayette	Nicholson Twp	051-90115	DEP Abandoned List	03/08/2023		J D Mccann	Gas	Smithfield						39° 49' 31.933"	-79° 52' 26.558"	39.825537	-79.874044

7/24/2023 4:50:54 PM

REGION	COUNTY	MUNICIPALITY	API	WELL STATUS	STATUS DATE	PLUG COMPLETED DATE	FARM	WELL TYPE	USGS QUAD	QUAD SECTION	LATITUDE	LONGITUDE	LATITUDE OFFSET (FEET)	LONGITUDE OFFSET (FEET)	GPS LATITUDE	GPS LONGITUDE	LATITUDE DECIMAL	LONGITUDE DECIMAL
OG - SWRO	Fayette	Nicholson Twp	051-90116	DEP Abandoned List	03/08/2023		Leander Dills	Gas	Smithfield						39° 47' 39.271"	-79° 52' 22.393"	39.794242	-79.872887
OG - SWRO	Fayette	Nicholson Twp	051-90117	DEP Abandoned List	03/08/2023		Harry Campbell 1	Gas	Smithfield						39° 50' 24.216"	-79° 50' 21.588"	39.840060	-79.839330
OG - SWRO	Fayette	Nicholson Twp	051-90118	DEP Abandoned List	03/08/2023		David Gans 3	Gas	Masontown						39° 47' 58.048"	-79° 53' 51.187"	39.799458	-79.897552
OG - SWRO	Fayette	Nicholson Twp	051-90119	DEP Abandoned List	03/08/2023		A G Stevenson	Dry Hole	Masontown						39° 47' 53.106"	-79° 54' 11.696"	39.798085	-79.903249
OG - SWRO	Fayette	Nicholson Twp	051-90120	DEP Abandoned List	03/08/2023		John Vesey	Gas	Masontown						39° 47' 58.542"	-79° 54' 5.9292"	39.799595	-79.901647
OG - SWRO	Fayette	Nicholson Twp	051-90121	DEP Abandoned List	03/08/2023		D P Eberhart	Gas	Morgantown North						39° 43' 39.108"	-79° 53' 37.687"	39.727530	-79.893802
OG - SWRO	Fayette	Nicholson Twp	051-90122	DEP Abandoned List	03/08/2023		Samuel Fast	Gas	Masontown						39° 48' 24.732"	-79° 53' 40.934"	39.806870	-79.894704
OG - SWRO	Fayette	Nicholson Twp	051-90123	DEP Abandoned List	03/08/2023		S C Fast	Gas	Masontown						39° 48' 10.400"	-79° 52' 57.349"	39.802889	-79.882597
OG - SWRO	Fayette	Nicholson Twp	051-90124	DEP Abandoned List	03/08/2023		M W Frank	Comb. Oil&Gas	Masontown						39° 47' 40.750"	-79° 53' 45.42"	39.794653	-79.895950
OG - SWRO	Fayette	Nicholson Twp	051-90125	DEP Abandoned List	03/08/2023		A C Fretts	Gas	Masontown						39° 48' 35.701"	-79° 55' 45.228"	39.809917	-79.929230
OG - SWRO	Fayette	Nicholson Twp	051-90126	DEP Abandoned List	03/08/2023		C W Fox 1	Dry Hole	Masontown						39° 46' 40.684"	-79° 52' 43.240"	39.777968	-79.878678
OG - SWRO	Fayette	Nicholson Twp	051-90127	DEP Abandoned List	03/08/2023		John Morris	Gas	Masontown						39° 47' 8.358"	-79° 53' 36.405"	39.785655	-79.893446
OG - SWRO	Fayette	Nicholson Twp	051-90128	DEP Abandoned List	03/08/2023		Republic Collieries	Gas	Masontown						39° 48' 17.812"	-79° 54' 17.146"	39.804948	-79.904763
OG - SWRO	Fayette	Nicholson Twp	051-90129	DEP Abandoned List	03/08/2023		J A Rearight	Gas	Masontown						39° 46' 53.04"	-79° 53' 46.654"	39.7814	-79.896293
OG - SWRO	Fayette	Nicholson Twp	051-90132	DEP Abandoned List	03/08/2023		Spreiger	Gas	Masontown						39° 47' 18.488"	-79° 53' 45.373"	39.788469	-79.895937
OG - SWRO	Fayette	Nicholson Twp	051-90133	DEP Abandoned List	03/08/2023		J K Dils	Gas	Masontown						39° 46' 57.486"	-79° 53' 43.771"	39.782635	-79.895492
OG - SWRO	Fayette	Nicholson Twp	051-90134	DEP Abandoned List	03/08/2023		E D Fulton 1	Gas	Masontown						39° 48' 9.9072"	-79° 53' 59.200"	39.802752	-79.899778
OG - SWRO	Fayette	Nicholson Twp	051-90135	DEP Abandoned List	03/08/2023		J R Dils 3	Gas	Masontown						39° 46' 50.073"	-79° 53' 22.315"	39.780576	-79.889532
OG - SWRO	Fayette	Nicholson Twp	051-90145	DEP Abandoned List	03/08/2023		I Riffle 2	Gas										
OG - SWRO	Fayette	Nicholson Twp	051-90186	DEP Abandoned List	03/08/2023		David Gans G-3029	Gas	Masontown						39° 48' 21.765"	-79° 52' 48.698"	39.806046	-79.880194
OG - SWRO	Fayette	Nicholson Twp	051-90188	DEP Abandoned List	03/08/2023		S T Gray 1	Gas	Masontown						39° 50' 29.032"	-79° 53' 32.319"	39.841398	-79.892311

**Attachment H**  
**Masontown SE Quadrangle Farmline Map, with**  
**Enlarged Extract**

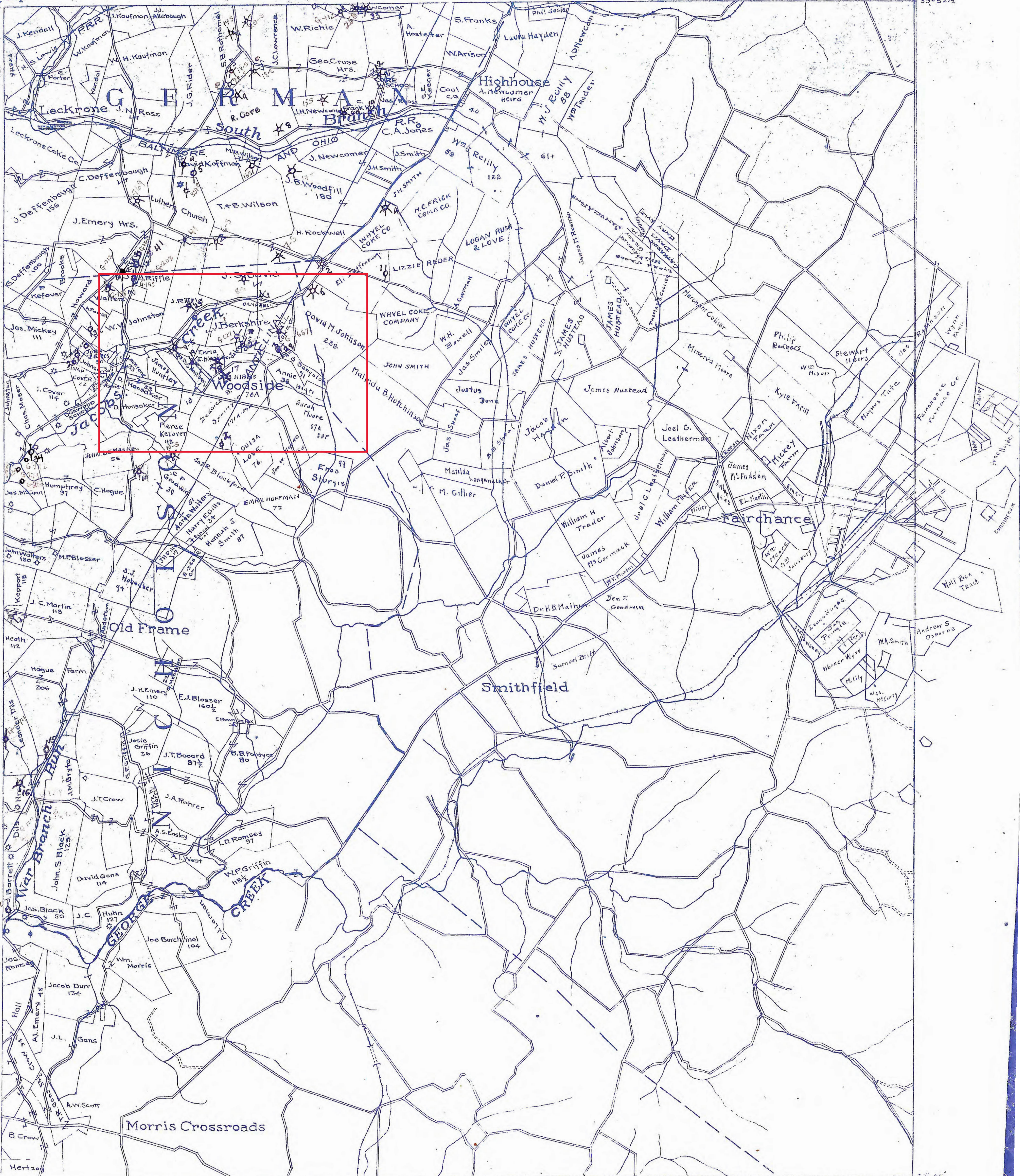
## **DISCLAIMER**

*The information presented on this map is provided "as is" without representation or warranty of any kind -- as to suitability, reliability, applicability, merchantability, fitness, non-infringement, result, outcome, or any other matter. The Department of Conservation and Natural Resources does not represent or warrant that such information is or will be always up-to-date, complete, or accurate. Any representation or warranty that might be otherwise implied is expressly disclaimed.*

PENNSYLVANIA  
MASONTOWN QUADRANGLE  
S.E. ¼

52 1/2

79-45  
39 1/2 52 1/2



Scale, 1 in. = 2,000 ft.

AUG. 1915

79-45





J. Riffle  
G-105

J. S. David

Eli D.

alters

J. RIFFLE  
425

CAMPBELL

David M. Johnson  
238

W.V. Johnston

Creek  
J. Berkshire

Emma Johnson

James Huntley

Woodside

Annie  
38  
High

Malin

D. Mansaker  
33

Pierce Kerover  
42-5  
10-5

Sarah Moore  
17A  
18P

OUISA

**Attachment I**  
**2019 Stateimpact PA Article**

# State reaches \$7M agreement over 1,400 abandoned oil and gas wells

Alabama company has until 2033 to plug wells or put them back into production

**Reid Frazier**

MARCH 11, 2019 | 5:48 PM

The Pennsylvania Department of Environmental Protection announced it reached an [agreement](#) <



Scott Detrow / StateImpact Pennsylvania

An abandoned well in McKean County.

<http://files.dep.state.pa.us/Newsroom/NewsroomPortalFiles/DiversifiedCOA.PDF> with an Alabama company over the costs of plugging 1,400 abandoned conventional oil and gas wells in the state.

The agreement requires the company to put up a \$7 million performance bond to cover plugging costs for the wells, and sets a schedule for the company to either plug all the wells or put them into production over the next 14 years.

“This agreement is a win for the commonwealth because it ensures that over 1,400 oil and gas wells are properly maintained or plugged and that these operators, not Pennsylvania citizens, bear the full cost of operating or plugging them,” DEP Secretary Patrick McDonnell said in a statement.

Most of the wells are in western Pennsylvania.

The agreement covers wells owned by Birmingham-based Diversified Gas & Oil Corporation and its subsidiaries, Alliance Petroleum Co. LLC and Diversified Oil & Gas, LLC. The company owns over 23,000 conventional wells in Pennsylvania. The company didn't immediately respond to requests for comment.

A performance bond is a guarantee that a company will pay for cleanup costs of its operations, if it ever goes out of business or enters into bankruptcy.

"It's meant as a safeguard so that the Commonwealth doesn't have to bear the full cost of a site if an operator should walk away," said DEP spokeswoman Lauren Fraley.

Under current state law, any company can put up just a single, \$25,000 well-plugging bond to cover as many conventional oil and gas wells as it wants.

But last year, DEP found Alliance and two other companies it was buying conventional wells from were out-of-compliance on over 1,000 wells. It [ordered Alliance < https://stateimpact.npr.org/pennsylvania/2018/07/25/state-orders-companies-to-plug-1000-abandoned-oil-gas-wells/>](https://stateimpact.npr.org/pennsylvania/2018/07/25/state-orders-companies-to-plug-1000-abandoned-oil-gas-wells/) and the two companies to plug them.

After the companies appealed, the two sides entered into the consent order and agreement March 7. The end agreement stipulates the company set aside \$5,000 per well for plugging costs, even though the actual cost to plug a well can be \$20,000 or "much, much higher," Fraley said. She said the state settled on the lower amount because "there was no guarantee that DEP would get this (\$20,000) bond ... through litigation."

The DEP has an inventory of over 8,000 orphaned and abandoned wells across the state, but the actual number is likely much higher, Fraley said.

"We anticipate as many as 560,000 are in existence that we just don't know of yet," Fraley said. "There's no responsible party and so it's on state government to pay to have those potential environmental and public health hazards remediated."

The state considers any well that doesn't produce oil and gas for a calendar year to be an abandoned well.

Methane from abandoned wells can get into underground well water and into peoples' homes, posing a [health and environmental < https://stateimpact.npr.org/pennsylvania/2016/11/14/pennsylvania-has-more-abandoned-wells-than-expected-says-new-study/>](https://stateimpact.npr.org/pennsylvania/2016/11/14/pennsylvania-has-more-abandoned-wells-than-expected-says-new-study/) threat. In addition, the wells can leak oil and brine into the environment.

The agreement requires the company to either plug or place into production at least 50 wells a year, and to complete this process for all 1,400 wells by 2033, though the agreement allows the company to ask for a five-year extension.

In addition, the company will have to put up an additional \$20,000 to \$30,000 bond for any future abandoned wells it acquires.

#### ABOUT STATEIMPACT PENNSYLVANIA

StateImpact Pennsylvania is a collaboration among **WITF** < <http://www.witf.org/> >, **WHYY** < <http://www.whyy.org/> >, and the **Allegheny Front** < <https://www.alleghenyfront.org/> >. Reporters **Reid Frazier** < <https://stateimpact.npr.org/pennsylvania/author/reidfrazier/> >, **Rachel McDevitt** < <https://stateimpact.npr.org/pennsylvania/author/rmcdevitt/> > and **Susan Phillips** < <https://stateimpact.npr.org/pennsylvania/author/sPhillips/> > cover the commonwealth's energy economy. Read their reports on this site, and hear them on public radio stations across Pennsylvania.

#### PARTNERS



#### FUNDERS



### CLIMATE SOLUTIONS PARTNERS



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**Attachment J**  
**Compliance History Documents from**  
**PADEP**





January 30, 2020

VIA EMAIL: kelkin@dgoc.com

Diversified Oil & Gas LLC  
ATTN: Kirk Elkin  
Senior Manager, EHS  
101 McQuiston Drive  
Jackson Center, PA 16133

Re: Notice of Violation (NOV) 383403 and Associated Inspection Report 2990542

**NOTICE OF VIOLATION**

Dear Mr. Elkin:

This is a Notice of Violation ("NOV") in response to events that occurred leading up to the January 6, 2020 Unconventional Tank Replacement submittal by Diversified Gas and Oil ("Diversified") for numerous well sites in Southwestern Pennsylvania.

On October 31, 2019, while inspecting the Morton #8 Gas Well, located in Jefferson Township, Greene County, the Department noted that a brine tank was severely corroded and had several large holes. As a result, the Department requested that Diversified provide a list of well sites with inoperable brine tanks. This inspection report is attached as Exhibit A.

On December 27, 2019, while inspecting the Doney #11 and Doney #13 Gas Wells, located in South Huntingdon Township, Westmoreland County, the Department noted that the production tanks were in poor condition with holes present. These inspection reports are attached as Exhibit B.

On January 6, 2020, Diversified submitted the Unconventional Tank Replacement list requested on October 31, 2019. The list included one hundred eight (108) well sites with inoperable tanks. The Doney #11 and Doney #13 Gas Wells were not included on this list but have been added by the Department. The updated Unconventional Tank Replacement list is attached as Exhibit C.

As a result of the above, Diversified is responsible for the following violations:

1. failure to store brine or other fluids produced during operation of the well was not designed, constructed and maintained to be structurally sound in accordance with sound engineering practices adhering to nationally recognized industry standards and the manufacturer's specifications, a violation of 25 Pa. Code § 78a.57(d);

2. failure to report tank deficiencies identified during the inspection to the within 3 days of the inspection, a violation of 25 Pa. Code § 78a.57(i);
3. failure to address and remedy deficiencies noted during an inspection prior to continued use of the tank. Substantial modification(s) to correct deficiencies are not in accordance with manufacturer's specifications and applicable engineering design criteria, a violation of 25 Pa. Code § 78a.57(i);
4. failure to comply with corrosion control requirements for permanent tanks, a violation of 58 Pa. C.S. § 3218.4(b);
5. failure to carry out or direct corrosion control requirements by a person qualified in corrosion methods, a violation of 58 Pa. C.S. § 3218.4(d); and

Please submit a written response to this Notice of Violation within 10 business days. Your response should include the following:

1. A schedule to re-assess all Unconventional Well Sites to ensure that all tank deficiencies are reported to the Department.
2. A schedule to replace or repair all deficient tanks at Unconventional Well Sites.
3. Provide 1 year (12 months) of tank inspections for all Unconventional Well Sites with tank deficiencies.
4. A schedule to assess all Conventional Well Sites with deficient tanks.

This Notice of Violation is neither an order nor any other final action of the Department of Environmental Protection. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.

If you have questions about the matters addressed in the NOV, please contact me at 412-442-5866.

Sincerely,



David McDermott  
Environmental Group Manager  
Southwest District Oil and Gas Operations

cc: File

# Exhibit A



V1.4

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS MANAGEMENT

DEP USE ONLY
Inspection Record #: 2952391
Enforcement Record #: 380478
Complaint Record #:

## SURFACE ACTIVITIES INSPECTION REPORT

DEP Office	Southwest Oil & Gas District Office	Inspection Type	PF
Address	400 Waterfront Drive	Permit or Reg. #	059 - 24826
Addr Cont	Pittsburgh, PA 15222-4745	ESCGP #	
Oper. Name	DIVERSIFIED OIL & GAS LLC	Site #	706044
Oper. Address	101 MCQUISTON DRIVE, JACKSON CENTER, PA, 16133	Project #	
Resp. Official Name	Compliance Staff	Farm Name & Well #	MORTON 8
Resp. Official Phone		Other Info	
Latitude	39.93347	Longitude	-80.00403
County	Greene	Municipality	Jefferson Township
Inspection Code	RTNC - Routine/Complete Inspection	Facility	Single-Well Pad
Permits / Auth	Well Permit	Site Phase	Restored/Prod
Well Info	Unconventional	Well Kind & Description	

### REMARKS:

On 10/31/2019 at approximately 1325, I, along with WQS Justin Najewicz, conducted a routine complete inspection. The brine tanks on site were corroded and should be repaired or replaced. Brine tank 1 was more severely corroded and had several large holes. Brine tank 2 had less corrosion and exhibited small holes. The well head was observed to be leaking. Gas was seen bubbling up through the rain water that was puddling at the base of the well head.

The site will be referred to DEP OGI staff to follow up with the leaking well head. Additional compliance actions may follow.

The Department requests 12 months of brine tank inspections for this site. The Department requests that Diversified provide a list of sites with inoperable brine tanks.

Category	Subcategory	Inspection Remarks / Violations / Violation Remarks	I	R	V
Waste Control & Disposal	Production Fluids Control & Storage	<b>Inspection Remarks:</b> Operator's brine tanks were not structurally sound and had not been repaired or replaced. Tank 1 exhibited severe corrosion and large holes. Operator did not notify the Department of tank deficiencies.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Continuing: No	<b>Violation:</b> 78A57(l) - CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS - Operator failed to report tank deficiencies identified during the inspection to the within 3 days of the inspection. <b>Violations Date:</b> 10-31-2019 <b>Violation Remarks:</b>			
	Continuing: No	<b>Violation:</b> 78A57(l) - CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS - Operator failed to address and remedy deficiencies noted during an inspection prior to continued use of the tank. Substantial modification(s) to correct deficiencies are not in accordance with manufacturer's specifications and applicable engineering design criteria. <b>Violations Date:</b> 10-31-2019 <b>Violation Remarks:</b>			
Continuing: No	<b>Violation:</b> 78a57(d) - CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS - Primary containment used to store brine or other fluids produced during operation of the well was not designed, constructed and maintained to be structurally sound in accordance with sound engineering practices adhering to nationally recognized industry standards and the manufacturer's specifications. <b>Violations Date:</b> 10-31-2019 <b>Violation Remarks:</b>				
<b>Inspection Results</b>		<b>Files Attached</b>	<b>Photos Attached</b>		<b>Date Inspected</b>
VIOLS - Violation(s) Noted		<input type="checkbox"/>	<input checked="" type="checkbox"/>		10-31-2019 01:25 PM

INSPECTOR SIGNATURE



JESSICA MORTON, Environmental Trainee  
Arrival Date: 10/31/2019 01:25 PM  
Depart Date: 10/31/2019 02:08 PM

Inspector Names
-----------------

JUSTIN NAJEWICZ
-----------------

Notice of Violation(s)	
Citation	Description of Violation
25 Pa. Code § 78a.57(i)	78A57(i) CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS – Operator failed to report tank deficiencies identified during the inspection to the within 3 days of the inspection.
25 Pa. Code § 78a.57(i)	78A57(i) CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS – Operator failed to address and remedy deficiencies noted during an inspection prior to continued use of the tank. Substantial modification(s) to correct deficiencies are not in accordance with manufacturer's specifications and applicable engineering design criteria.
25 Pa. Code § 78a.57(d)	78a57(d) CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS – Primary containment used to store brine or other fluids produced during operation of the well was not designed, constructed and maintained to be structurally sound in accordance with sound engineering practices adhering to nationally recognized industry standards and the manufacturer's specifications.

Note: This Notice of Violation is neither an order nor any other final action of the Department of Environmental Protection. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.

58 Pa.C.S. § = Act 13(OGA) • 25 Pa.Code § • 35 P.S. § 6018. = Solid Waste Management Act • 35 P.S. § 691. = Clean Streams Law

Instructions Response	
<input checked="" type="checkbox"/>	You are requested to respond as indicated below by 11/18/2019. If applicable, please include the description of activities you will pursue to achieve compliance with the statutes or regulations cited above. Address your reply to the DEP representative named below.
<input type="checkbox"/>	No further response required at this time
<input checked="" type="checkbox"/>	Written response requested
<input checked="" type="checkbox"/>	Has to be done (Specify in the comment section below)
<input checked="" type="checkbox"/>	Add what you will do to correct the situation and achieve compliance?
<input checked="" type="checkbox"/>	Include explanation of cause of violations
<input checked="" type="checkbox"/>	Include the schedule or anticipated time frame for compliance activities you intend to carry out.

**Comments:**  
The Department requests 12 months of brine tank inspections for this site. The Department requests that Diversified provide a list of sites with inoperable brine tanks.

Permit Reg. No.	Violation Date	DEP Rep	Cert Mail #	Mail Date
	10-31-2019	JESSICA MORTON	VIA EMAIL	11/4/2019

Inspection Images  
iImage1572544268627



Photograph of heavily corroded brine tank. Large holes were present in brine tank 1. Brine tank 2 was less corroded, but small holes were observed.

iImage1572544273908



Photograph of the well head. The well head was leaking at the time of inspection. Gas was bubbling through rain water around the well head.

# Exhibit B





V1.4

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS MANAGEMENT

DEP USE ONLY
Inspection Record #: 2976333
Enforcement Record #:
Complaint Record #: 346951

## SURFACE ACTIVITIES INSPECTION REPORT

DEP Office	New Stanton Oil & Gas Office	Inspection Type	PF
Address	131 Broadview Road	Permit or Reg. #	129 - 27282
Addr Cont	New Stanton, PA 15672	ESCGP #	
Oper. Name	DIVERSIFIED OIL & GAS LLC	Site #	699671
Oper. Address	101 MCQUISTON DRIVE, JACKSON CENTER, PA, 16133	Project #	
Resp. Official Name		Farm Name & Well #	DONEY 13
Resp. Official Phone		Other Info	
Latitude	40.19230	Longitude	-79.71276
County	Westmoreland	Municipality	South Huntingdon Township
Inspection Code	RTNC - Routine/Complete Inspection	Facility	Single-Well Pad
Permits / Auth	Well Permit	Site Phase	Restored/Prod
Well Info	Unconventional	Well Kind & Description	

**Producing Formation**  
MARCF - MARCELLUS

**Stream Class**  
\* WWF - Warm Water Fishes

**Water Shed**  
19D - Lower Youghiogheny River

**REMARKS:**

This inspection is being conducted in response to a complaint that was received by the Department on 12/11/2019 regarding concerns about large rusted holes in the sides of several brine tanks.

WQS Eric Norman is assisting.

The conditions during this inspection are cloudy in the mid 50's.

An Act 9 Sign is at the entrance but is very faded. The Department recommends that the Operator maintain the sign to regulated specifications.

The ERP and SDS are on site, the ERP appears to be site specific.  
The access road appears to be built, with no visible signs of accelerated erosion or sedimentation.

The well head is labeled. No leaks or discharges observed.  
The site appears to be constructed and the well appears equipped for production. Associated production equipment and Production Tanks are on site. The Production Tanks are in an earthen dike. The earthen dike appears to have some holes, possibly associated with nuisance wildlife, the Department recommends that the operator take steps to correct those issues in order to maintain the structural integrity of the earthen dike.

The Production Tanks appear to be in poor condition with large holes in both tanks toward the top of both. The Tank closest to the well head appears to have corrosion over most of the tank. No leaks, spills, or distressed vegetation is observed.

Inspections 2716702, 2819306, and 2856714 mentioned issues with corrosion and holes in these brine tanks dating back to 04/10/2018.  
The Department is requesting monthly inspection logs for the Production Tanks from 04/10/2018 until 12/30/2019.

The Department is also requesting a time table for correcting or removing these tanks.

Based on this inspection, violations are being issued. More violations may be issued based on operator response to the NOV's.

Category	Subcategory	Inspection Remarks / Violations / Violation Remarks	I	R	V
Oil & Gas General	Emergency Response Planning Continuing: No	<p><b>Inspection Remarks:</b> Sign is not reflective nor is red 2inch border visible.</p> <p><b>Violation:</b> 78a55(i)4ii - Failure of the operator to meet requirements of site entrance sign fabrication, color, size, lettering, wording, numbering, format, information and location. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b></p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Continuing: No	<p><b>Violation:</b> 78a55(i)4i - Failure of the operator to display a reflective sign at the entrance prior to construction of the access road. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b></p>			
Waste Control & Disposal	Production Fluids Control & Storage Continuing: No	<p><b>Inspection Remarks:</b> Failure to maintain Production Tank</p> <p><b>Violation:</b> 78a57(d) - CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS – Primary containment used to store brine or other fluids produced during operation of the well was not designed, constructed and maintained to be structurally sound in accordance with sound engineering practices adhering to nationally recognized industry standards and the manufacturer's specifications. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b></p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Continuing: No	<p><b>Violation:</b> OGA3218.4(B) - Failure to comply with corrosion control requirements for permanent tanks. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b></p>			
	Continuing: No	<p><b>Violation:</b> OGA3218.4(D) - Failure to carry out or direct corrosion control requirements by a person qualified in corrosion methods. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b></p>			
	Waste Management General Continuing: No	<p><b>Inspection Remarks:</b> Failure to maintain production tanks</p> <p><b>Violation:</b> 78a54 - Operator failed to control and dispose of fluids, residual waste and drill cuttings, including tophole water, brines, drilling fluids, drilling muds, stimulation fluids, well servicing fluids, oil, and production fluids in a manner that prevents pollution of the waters of the Commonwealth and in accordance with 25 Pa. Code §§ 78a.55 – 78a.58 and 78a.60 – 78a.63. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b></p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Continuing: No	<p><b>Violation:</b> SWMA 302(B)3 - Person failed to design, construct, operate or maintain facilities and areas in a manner that do not adversely effect affect or endanger public health, safety and welfare or the environment or cause a public nuisance. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b></p>			
<b>Inspection Results</b>		<b>Files Attached</b>	<b>Photos Attached</b>	<b>Date Inspected</b>	
VIOLS - Violation(s) Noted		<input type="checkbox"/>	<input checked="" type="checkbox"/>	12-27-2019 12:00 PM	

INSPECTOR SIGNATURE



BENJAMIN GRAY, Environmental Trainee  
 Arrival Date: 12/27/2019 12:00 PM  
 Depart Date: 12/27/2019 01:00 PM

<b>Inspector Names</b>
ERIC NORMAN

Notice of Violation(s)	
Citation	Description of Violation
25 Pa. Code § 78a.54	78a54 GENERAL REQUIREMENTS - Operator failed to control and dispose of fluids, residual waste and drill cuttings, including tophole water, brines, drilling fluids, drilling muds, stimulation fluids, well servicing fluids, oil, and production fluids in a manner that prevents pollution of the waters of the Commonwealth and in accordance with 25 Pa. Code §§ 78a.55 – 78a.58 and 78a.60 – 78a.63.
25 Pa. Code § 78a.55(i)(4)(i)	78a55(i)4i EMERGENCY RESPONSE – Sign - Failure of the operator to display a reflective sign at the entrance prior to construction of the access road.
25 Pa. Code § 78a.55(i)(4)(ii)(A-D)	78a55(i)4ii EMERGENCY RESPONSE – Sign - Failure of the operator to meet requirements of site entrance sign fabrication, color, size, lettering, wording, numbering, format, information and location.
25 Pa. Code § 78a.57(d)	78a57(d) CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS – Primary containment used to store brine or other fluids produced during operation of the well was not designed, constructed and maintained to be structurally sound in accordance with sound engineering practices adhering to nationally recognized industry standards and the manufacturer's specifications.
35 P.S. § 6018.302(b)(3)	SWMA 302(B)3 DISPOSAL, PROCESSING AND STORAGE OF RESIDUAL WASTE - Person failed to design, construct, operate or maintain facilities and areas in a manner that do not adversely effect affect or endanger public health, safety and welfare or the environment or cause a public nuisance.
58 Pa. C.S. § 3218.4(b)	OGA3218.4(B) CORROSION CONTROL REQUIREMENTS - OTHER STRUCTURES - Failure to comply with corrosion control requirements for permanent tanks.
58 Pa. C.S. § 3218.4(d)	OGA3218.4(D) CORROSION CONTROL REQUIRMENTS - PROCEDURES - Failure to carry out or direct corrosion control requirements by a person qualified in corrosion methods.
<p>Note: This Notice of Violation is neither an order nor any other final action of the Department of Environmental Protection. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.</p>	
<p>58 Pa.C.S. § = Act 13(OGA) • 25 Pa.Code § • 35 P.S. § 6018. = Solid Waste Management Act • 35 P.S. § 691. = Clean Streams Law</p>	

Instructions Response	
<input checked="" type="checkbox"/>	You are requested to respond as indicated below by 01/21/2020. If applicable, please include the description of activities you will pursue to achieve compliance with the statutes or regulations cited above. Address your reply to the DEP representative named below.
<input type="checkbox"/>	No further response required at this time
<input checked="" type="checkbox"/>	Written response requested
<input checked="" type="checkbox"/>	Has to be done (Specify in the comment section below)
<input checked="" type="checkbox"/>	Add what you will do to correct the situation and achieve compliance?
<input checked="" type="checkbox"/>	Include the schedule or anticipated time frame for compliance activities you intend to carry out

**Comments:**  
Please email responses to bengray@pa.gov

Permit Reg. No.	Violation Date	DEP Rep	Cert Mail #	Mail Date
	12-27-2019	BENJAMIN GRAY		

Inspection Images  
image1577732878551



Photo #1 Act 9 Signage

image1577732881004



Photo #2 Well Tag

image1577732883773



Photo #3 Well Head

image1577732886288



Photo #4 Well Head

image1577732888691



Photo #5 Well Head

image1577732890785



Photo #6 Production Tanks

ilimage1577732892864



Lat: 40.1917, Long: -79.71316666666667, 12/27/2019 12:22:17 PM

Photo #7 Production Tanks

ilimage1577732894802



Lat: 40.19167833333336, Long: -79.71318833333333, 12/27/2019 12:21:58 PM

Photo #8 Production Tanks

image157732896813



Lat: 40.19171333333333 Long: -79.71318833333333 12/27/2019 12:21:41 PM

Photo #9 Production Tanks

image157732899104



Lat: 40.19176833333333 Long: -79.71316 12/27/2019 12:21:08 PM

Photo #10 Production Tanks



image1577732901344



Photo #11 Associated Equipment and Production Tanks

image1577732903445



Photo #12 Production Tanks and associated equipment

image1577732905620



Lat: 40.19166666666667, Long: -79.713295, 12/27/2019 12:04:04 PM

Photo #13 Production Tanks

image1577732908279



Lat: 40.19167, Long: -79.71318, 12/27/2019 12:22:07 PM

Photo #14 Earthen Dike



V1.4

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS MANAGEMENT

DEP USE ONLY
Inspection Record #: 2976598
Enforcement Record #:
Complaint Record #:

## SURFACE ACTIVITIES INSPECTION REPORT

DEP Office	New Stanton Oil & Gas Office	Inspection Type	PF
Address	131 Broadview Road	Permit or Reg. #	129 - 27280
Addr Cont	New Stanton, PA 15672	ESCGP #	
Oper. Name	DIVERSIFIED OIL & GAS LLC	Site #	689663
Oper. Address	101 MCQUISTON DRIVE, JACKSON CENTER, PA, 16133	Project #	
Resp. Official Name		Farm Name & Well #	DONEY 11
Resp. Official Phone		Other Info	
Latitude	40.19433	Longitude	-79.72056
County	Westmoreland	Municipality	South Huntingdon Township
Inspection Code	RTNC - Routine/Complete Inspection	Facility	Single-Well Pad
Permits / Auth	Well Permit	Site Phase	Restored/Prod
Well Info	Unconventional	Well Kind & Description	

<b>Producing Formation</b>
MARCF - MARCELLUS

<b>Stream Class</b>
* WWF - Warm Water Fishes

<b>Water Shed</b>
19D - Lower Youghiogheny River

<b>REMARKS:</b>
This inspection is being conducted as a routine inspection of wells in the general area. WQS Eric Norman is assisting.
Conditions on site are cloudy in the mid 50's.
The Access road appears to be constructed with no accelerated erosion or sedimentation observed. The site appears constructed and in production with two Production Tanks on site. The Production Tanks are within an earthen dike which appears to be in good condition. No dead, dying, or distressed vegetation is observed. The well is labeled and appears to be in good condition.
Both Production Tanks appear to have considerable amounts of corrosion around them that has affected the structural integrity of the primary containment and it appears some holes have formed near the cat walk at the top of the tanks.
The Department is requesting Production Tank inspection reports from 10/01/2019 to 12/30/2019.
Based on this inspection the Operator is being issued violations for failing to maintain primary containment apparatuses.
More violations may be issued in the future based on responses to the NOV.

Category	Subcategory	Inspection Remarks / Violations / Violation Remarks	I	R	V
Waste Control & Disposal	Production Fluids Control & Storage	Inspection Remarks: Failure to maintain primary containment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Continuing: No	Violation:			

	78a57(d) - CONTROL, STORAGE AND DISPOSAL OF PRODUCTION FLUIDS – Primary containment used to store brine or other fluids produced during operation of the well was not designed, constructed and maintained to be structurally sound in accordance with sound engineering practices adhering to nationally recognized industry standards and the manufacturer's specifications. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b>		
Continuing: No	<b>Violation:</b> OGA3218.4(B) - Failure to comply with corrosion control requirements for permanent tanks. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b>		
Continuing: No	<b>Violation:</b> OGA3218.4(D) - Failure to carry out or direct corrosion control requirements by a person qualified in corrosion methods. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b>		
Waste Management General Continuing: No	<b>Inspection Remarks:</b> Failure to maintain Production Tanks  <b>Violation:</b> 78a54 - Operator failed to control and dispose of fluids, residual waste and drill cuttings, including tophole water, brines, drilling fluids, drilling muds, stimulation fluids, well servicing fluids, oil, and production fluids in a manner that prevents pollution of the waters of the Commonwealth and in accordance with 25 Pa. Code §§ 78a.55 – 78a.58 and 78a.60 – 78a.63. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Continuing: No	<b>Violation:</b> SWMA 302(B)3 - Person failed to design, construct, operate or maintain facilities and areas in a manner that do not adversely effect affect or endanger public health, safety and welfare or the environment or cause a public nuisance. <b>Violations Date:</b> 12-27-2019 <b>Violation Remarks:</b>		
<b>Inspection Results</b>	<b>Files Attached</b>	<b>Photos Attached</b>	<b>Date Inspected</b>
VIOLS - Violation(s) Noted	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12-27-2019 11:00 AM

**INSPECTOR SIGNATURE**



**BENJAMIN GRAY, Environmental Trainee**  
**Arrival Date: 12/27/2019 11:00 AM**  
**Depart Date: 12/27/2019 11:25 AM**

<b>Inspector Names</b>
ERIC NORMAN

Notice of Violation(s)	
Citation	Description of Violation
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58 Pa. C.S. § 3218.4(d)	OGA3218.4(D) CORROSION CONTROL REQUIREMENTS - PROCEDURES - Failure to carry out or direct corrosion control requirements by a person qualified in corrosion methods.
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**Comments:**  
Please email response to bengray@pa.gov

Permit Reg. No.	Violation Date	DEP Rep	Cert Mail #	Mail Date
	12-27-2019	BENJAMIN GRAY		

Inspection Images  
image1577732492811



Photo #1 Act 9 Sign

image1577732495135



Photo #2 Well Head

image1577732497658



Photo #3 Well Head

image1577732500124



Photo #4 Well Head

image1577732502713



Photo #5 Production Tank

image1577732505249



Photo #6 Production Tank



image1577732507657



Photo #7 Production Tank

image1577732509846



Photo #8 Information Placard and associated Production Equipment

image157732511884



Photo #9 Production Tank

image157732514108



Photo #10 Production Tank

image1577732516663



Photo #11 Production Tank

# Exhibit C

API	Well Name	Well #	County	Municipality	Tanks # / Volume (Bbl) - Condition	Needs Replaced/ Not in use
051-23464	Triplet #2	1117550	Fayette	Nicholson Township	2/210 - 2 bad	Removal only
051-23451	Rich Farms #7	1118075	Fayette	Springhill Township	1/210 - 1 bad	Removal only
051-23607	Benninger #24	1118592	Fayette	Nicholson Township	2/210 - 2 bad	Removal only
051-23688	Skovran #23	23166	Fayette	Redstone Township	2/210 - 2 bad	Yes. With one 210bbl
051-23718	Kolencik #2	1118712	Fayette	German Township	1/210 - 1 bad	Not in use. Replace with 1 - 210
051-23727	Masterbray #1	23122	Fayette	Dunbar Township	2/210 - 2 bad	Remove both and replace
051-23754	Palankey #2	22827	Fayette	Dunbar Township	2/210 - 2 bad	Yes. Remove and Replace
051-23960	Prah #2A	24083	Fayette	German Township	1/210 - 1 bad	Yes. With one 100bbl
051-23961	Keslar #9	1118928	Fayette	Redstone Township	1/210 - 1 bad	Replace with 1 - 100
051-23968	Christopher #9	23982	Fayette	Redstone Township	2/210 - 2 bad	Yes. With one 210bbl
051-23977	Brazzou #15	24074	Fayette	Washington Township	2/210 - 2 bad	Removal only- Waiting on GP-8
051-23985	Campbell #15	24302	Fayette	Washington Township	2/210 - 2 bad	Yes. With one 210bbl
051-23989	Yasenovsky #3	1120669	Fayette	Nicholson Township	2/210 - 2 bad	Replace with 1 - 210
051-23990	Leichter #6	20438	Fayette	Redstone Township	2/210 - 2 bad	Yes. With 100bbl tank
051-24009	Tercho/Shimko #3	24327	Fayette	German Township	2/210 - 2 bad	Yes. With one 210bbl
051-24023	Hademak UT #3	24078	Fayette	German Township	1/210 - 1 bad	Yes. With one 210bbl
051-24052	Zinn #2	1118349	Fayette	Springhill Township	2/210 - 2 bad	Replace with 1 - 210
051-24053	Honsaker #15	1119018	Fayette	German Township	2/210 - 2 bad	Replace with 1 - 210
051-24054	Honsaker #16	1119019	Fayette	German Township	2/210 - 2 bad	Replace with 1 - 210
051-24058	Krepps #3	1118957	Fayette	German Township	2/210 - 2 bad	Not in use. Replace with 1 - 210
051-24080	Christopher #10	24079	Fayette	German Township	2/210 - 2 bad	Yes. With one 210bbl
051-24124	Redman Unit #26	24823	Fayette	Luzerne Township	2/210 - 2 bad	Yes. With one 100bbl
051-24125	Redman #27	24824	Fayette	Luzerne Township	2/210 - 2 bad	Yes. With one 100bbl
051-24152	Dancho/Brown #4	24690	Fayette	Redstone Township	2/210 - 2 bad	Not in use
051-24153	Dancho/Brown #5	24691	Fayette	Redstone Township	2/210 - 2 bad	Not in use
051-24187	Congelio #5	24408	Fayette	Redstone Township	2/210 - 1 bad	Yes. Need to remove tanks #2
051-24190	Bobbish #4	25370	Fayette	German Township	2/210 - 2 bad	Yes. With one 210bbl
051-24195	Juroscio #1	23078	Fayette	German Township	2/210 - 2 bad	Yes. With one 210bbl
051-24208	Robinson #29	1119066	Fayette	Springhill Township	1/210 - 1 bad	Removal only
051-24209	Bezjak #26	1119008	Fayette	Nicholson Township	2/210 - 2 bad	Replace with 1 - 210
051-24210	Kovalic #13	1119049	Fayette	Nicholson Township	3/210 - 2 bad	Replace with 1 - 210
051-24212	Genovese #10	1119063	Fayette	Nicholson Township	2/210 - 2 bad	Replace with 1 - 210
051-24216	Yasenovsky #4	1119067	Fayette	Nicholson Township	1/210 - 1 bad	Replace with 1 - 210
051-24225	Kovach UT #34H	25616	Fayette	German Township	1/210 - 1 bad	Shares tank with Kovach #24. Needs one 210bbls good tank
051-24226	Kovach UT #24	24254	Fayette	German Township	1/210 - 1 bad	Shares tank with Kovach #34. Needs one 210bbls good tank
051-24227	Jackson Farms UT #29	24308	Fayette	Redstone Township	2/210 - 2 bad	Not in use
051-24228	Jackson Farms UT #36H	24994	Fayette	Redstone Township	1/210 - 1 bad	Yes. With one 210bbl
051-24238	Fairbanks R&G Club #3	23639	Fayette	Menallen Township	2/210 - 2 bad	Not in use
051-24239	Fairbanks R&G Club #6	23642	Fayette	Menallen Township	2/210 - 2 bad	Not in use
051-24247	Wolf #27	1119010	Fayette	Springhill Township	1/210 - 1 bad	Replace with 1 - 210
051-24258	Kirchner #3	1119080	Fayette	German Township	1/210 - 1 bad	Replace with 1 - 210
051-24266	Medved #4	1119089	Fayette	Springhill Township	2/210 - 2 bad	Replace with 1 - 210
051-24267	Fay-Penn #44	1119068	Fayette	Springhill Township	2/210 - 2 bad	Replace with 1 - 210
051-24284	Swiantek #1	25887	Fayette	Franklin Township	2/210 - 2 bad	Remove
051-24344	Skovran #26	25680	Fayette	Redstone Township	1/400 - 1 bad	Shares tank with Skovran #27. Tank needs removed
059-24338	Biddle #12	1118292	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 100

059-24353	Biddle #14	1118294	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 100
059-24363	Beck #5	1118722	Greene	Cumberland Township	2/210 - 1 bad	Replace with 1 - 50
059-24385	Mathews #30	1120671	Greene	Dunkard Township	2/210 - 1 bad	Replace with 1 - 210
059-24387	Mathews #32A	1120673	Greene	Dunkard Township	2/210 - 2 bad	Replace with 1 - 210
059-24394	Swartz #4	1118650	Greene	Cumberland Township	2/210 - 2 bad	Removal only
059-24424	Burchianti #6	1118603	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24428	Burchianti #11A	1118607	Greene	Cumberland Township	3/210 - 2 bad	2 bad not in use but need removed. No replacement needed.
059-24442	Gideon #4	1118681	Greene	Monongahela Township	2/210 - 2 bad	Replace with 1 - 210
059-24458	Mathews #33	1120674	Greene	Dunkard Township	2/210 - 1 bad	Removal only
059-24473	Holbert #5	1118779	Greene	Dunkard Township	2/210 - 2 bad	Replace with 1 - 210
059-24476	Burchianti #30	1118683	Greene	Monongahela Township	2/210 - 2 bad	Replace with 1 - 210
059-24480	Mathews #36	1120676	Greene	Dunkard Township	1/210 - 1 bad	Replace with 1 - 210
059-24482	Biddle #27	1118787	Greene	Cumberland Township	2/210 - 2 bad	Removal only
059-24484	Holbert #6	1118780	Greene	Dunkard Township	1/100 - 1 bad	Replace with 1 - 100
059-24492	Mathews #35	1120675	Greene	Dunkard Township	2/210 - 2 bad	Replace with 1 - 100
059-24554	Pevarnik #7	1118800	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24559	Groves #7	1118788	Greene	Cumberland Township	2/210 - 2 bad	Replace 1 - 100
059-24584	Boord #6B	1118749	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 100
059-24606	Burchianti #24	1118627	Greene	Monongahela Township	2/210 - 2 bad	Replace with 1 - 100
059-24612	Burchianti #33	1118630	Greene	Monongahela Township	2/210 - 2 bad	Replace with 1 - 210
059-24620	Lilly #28	1118804	Greene	Dunkard Township	1/100 - 1 bad	Replace with 1 - 100
059-24642	Mathews #37	1120677	Greene	Dunkard Township	1/100 - 1 bad	Replace with 1 - 100
059-24645	Willis #20	1118879	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24686	Bolen UT #2	1118884	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24693	Springer #17	1120681	Greene	Jefferson Township	2/210 - 2 bad	Replace 1 - 100
059-24694	Springer #18	1118966	Greene	Jefferson Township	2/210 - 2 bad	Replace 1 - 100
059-24701	Mack #7	1118968	Greene	Jefferson Township	2/210 - 2 bad	Replace with 1 - 100
059-24709	Willis #19A	1118421	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24802	Biddle #30	1118954	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24820	Whipkey #9	1118786	Greene	Cumberland Township	1/100 - 1 bad	Replace with 1 - 210
059-24829	Buday #9	1118880	Greene	Cumberland Township	2/210 - 2 bad	Removal only
059-24830	Buday #10	1118881	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24851	Jarek #6	1118844	Greene	Cumberland Township	3/210 - 2 bad	2 bad not in use but need removed. No replacement needed.
059-24903	Consol/USX #59	1118821	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24904	McClure #4	1118171	Greene	Cumberland Township	2/210 - 2 bad	Removal only
059-24905	Kerr #9	1118919	Greene	Cumberland Township	2/210 - 2 bad	Removal only
059-24937	Bell #4	1118527	Greene	Cumberland Township	2/210 - 2 bad	Removal only
059-24998	Willis #24	1119031	Greene	Jefferson Township	2/210 - 2 bad	Replace with 1 - 210
059-25031	Jordan #16	1119051	Greene	Dunkard Township	1/210 - 1 bad	Replace with 1 - 210
059-25032	Jordan #15	1119050	Greene	Dunkard Township	2/210 - 2 bad	Replace with 1 - 210
059-25035	Willis #23	1119030	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-25114	Pevarnik #9	1118801	Greene	Cumberland Township	3/210 - 3 bad	Replace with 1 - 210
059-25155	Udovich UT #3	1118953	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-24558	Whipkey #8	1118854	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 100
059-25160	Groves #8	1118853	Greene	Cumberland Township	3/210 - 2 bad	2 bad not in use. No replacement needed.
059-25185	Kovach #33	1119076	Greene	Monongahela Township	2/210 - 2 bad	Replace with 1 - 210
059-25223	Carter #11	1119074	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-25226	JLL #2	1118747	Greene	Dunkard Township	2/210 - 2 bad	Replace with 1 - 210

059-25227	Carter #12H	1119075	Greene	Cumberland Township	4/210 - 2 bad	Replace with 1 - 210
059-25244	Burchiant #53	1119057	Greene	Greene Township	2/210 - 2 bad	Replace with 1 - 210
059-25284	Hathaway #8	1118878	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 210
059-25341	Headlee #8	1119058	Greene	Cumberland Township	2/210 - 2 bad	Replace with 1 - 100
059-25362	Mitchell #20	1119090	Greene	Jefferson Township	3/210 - 2 bad	Replace with 1 - 210
125-23711	SHOUP UT #4	23741	Washington	Deemston Borough	2/210 - 2 bad	Yes. With one 210bb1
129-26836	Hunter UT #11	22460	Westmoreland	South Huntingdon Township	2/210 - 2 bad	Yes. With one 50bb1
129-26838	Hunter UT #13	22462	Westmoreland	South Huntingdon Township	2/210 - 2 bad	Remove (2) 210bb1 and replace
129-27279	Branthoover #11	23937	Westmoreland	South Huntingdon Township	1/100 - 1 bad	Removal only
129-27280	Doney #11		Westmoreland	South Huntingdon Township	Not included on DGOs list	Not included on DGOs list
129-27282	Doney #13		Westmoreland	South Huntingdon Township	Not included on DGOs list	Not included on DGOs list
129-27566	Phillips UT #20	24174	Westmoreland	South Huntingdon Township	2/210 - 2 bad	Removal only
129-27567	Phillips UT #21	24175	Westmoreland	South Huntingdon Township	2/210 - 2 bad	Removal only
129-27568	Yates #3	24177	Westmoreland	South Huntingdon Township	2/210 - 2 bad	Remove
129-28008	Smouse #5	24557	Westmoreland	South Huntingdon Township	2/210 - 2 bad	Remove and Replace
129-28012	Babich Ut #3	23938	Westmoreland	South Huntingdon Township	1/100 - 1 bad	Removal only



# DIVERSIFIED GAS & OIL CORPORATION

February 19, 2020

David McDermott, Environmental Group Manager  
Pennsylvania Department of Environmental Protection  
Southwest District Oil and Gas Operations  
400 Waterfront Drive  
Pittsburgh, PA 15222

Subject: NOV Response for Enforcement Record 383403 violations associated with Inspection Record # 2990542  
Diversified Production, LLC  
For 110 individual Unconventional Well Sites.  
Fayette, Greene, Washington, and Westmoreland Counties, Pennsylvania

Dear Mr. McDermott:

Diversified Production, LLC (Diversified) is submitting this response to your NOV issued on January 30, 2020 regarding the structural integrity of the produced fluid tanks at 110 unconventional well sites in "The Unconventional Well Site Tank Replacement List" (Exhibit C) in a four county area. Diversified has been routinely conducting unconventional storage tank inspections as required by § 78a.57 (i). Starting in 2020 Diversified began an aggressive plan to replace any unconventional well tanks listed on Exhibit C. Below is a summary of the issued violations and Diversified's responses (in italics) if any.

The following violations were issued by the Department.

1. 25 Pa. Code § 78a.57(d); failure to store brine or other fluids produced during operation of the well was not designed, constructed and maintained to be structurally sound in accordance with sound engineering practices adhering to nationally recognized industry standards and the manufacturer's specifications.
2. 25 Pa. Code § 78a.57(i); failure to report tank deficiencies identified during the inspection to the within 3 days of the inspection
3. 25 Pa. Code § 78a.57 (i); failure to address and remedy deficiencies noted during an inspection prior to continued use of the tank. Substantial modification(s) to correct deficiencies are not in accordance with manufacturer's specifications and applicable engineering design criteria.





# DIVERSIFIED GAS & OIL CORPORATION

4. 58 Pa. C.S. § 3218.4(b) OGA 3218.4(B) CORROSION CONTROL REQUIREMENTS - OTHER STRUCTURES - Failure to comply with corrosion control requirements for permanent tanks.

Diversified's Response: OGA 3218.4(B) is not applicable to any of the tanks listed in Exhibit C due to the fact that all of these unconventional well site production fluid tanks were installed before the Chapter 32 effective date of April 14, 2012. Therefore, Diversified contends that this violation is invalid and respectfully requests that it be rescinded.

5. 58 Pa. C.S. § 3218.4(d) OGA 3218.4(D) CORROSION CONTROL REQUIREMENTS - PROCEDURES - Failure to carry out or direct corrosion control requirements by a person qualified in corrosion methods.

Diversified's Response: OGA 3218.4(D) is not applicable to any of the tanks listed in Exhibit C due to the fact that all of these unconventional well site production fluid tanks were installed before the Chapter 32 effective date of April 14, 2012. Therefore, Diversified contends that this violation is invalid and respectfully requests that it be rescinded.

## **Interim remedial actions planned, initiated, or completed as of the date of this report for the following four (4) items requested by the Department:**

1. A schedule to re-assess all Unconventional Well Sites to ensure that all tank deficiencies are reported to the Department. Diversified is currently re-assessing all of its unconventional tanks and will update Exhibit C list with any changes including omitting inoperable tanks that have been removed. Diversified will complete and provide to the Department a copy of the Exhibit C reassessment by **March 13, 2020**

2. A schedule to replace or repair all deficient tanks at Unconventional Well Sites - Within **2 years** from the date of this letter, Diversified will remove, and replace when deemed operationally necessary, all tanks listed on the current Exhibit C list. Any new tanks will be installed in accordance with applicable sections of 78.57. Additionally, if a removed tank(s) is replaced, a new secondary containment structure will be installed in accordance with §78a.64a. Figure 1. below lists the inoperable tanks that Diversified will remove first. The Burchianti #11A has already been removed and will not be replaced at this time. The tanks from the well sites listed in Figure 1 will be removed or replaced within 90 days or less from the date of this letter. Diversified will notify the Department when any tank is removed from a well site listed on Exhibit C by updating Exhibit C on a *quarterly basis* beginning April 1, 2020 and will provide to the Department. Those wells with an asterick in Figure 1 are under a previously issued NOV.



# DIVERSIFIED GAS & OIL CORPORATION

37-059-24428	Burchianti #11A*
37-059-24606	Burchianti #24*
37-059-24606	Burchianti #24
37-129-27280	Doney #11*
37-129-27282	Doney #13*
37-129-27503	Hunter #24*
37-129-26838	Hunter UT #13*
37-129-28008	Smouse #5*
37-051-23989	Yasenovsky #3*
37-051-24216	Yasenovsky #4

Figure 1

3. Provide 1 year (12 months) of tank inspections for all unconventional well sites with tank deficiencies. Diversified will provide 12 months of tank inspections for the wells listed in the updated Exhibit C on **March 13, 2020**.

4. A schedule to assess all Conventional Well Sites with deficient tanks- Diversified systematically assesses the status of its conventional well sites in the Southwest District ("Conventional Well Sites"), which includes evaluation of the structural stability of onsite production tankage, pursuant to applicable regulations. Diversified will continue this ongoing practice of inspecting, identifying, scheduling, and replacing deficient tanks at its Conventional Well Sites pursuant to its ordinary course of operations.

Diversified has made and will continue to make a good faith effort to fully and timely respond to the Department's January 30, 2020 NOV that it received February 4, 2020. Diversified reserves the right to supplement this response as appropriate. Additionally, Diversified reserves any and all rights, defenses, and objections regarding the matters addressed herein

In closing, Diversified would like to request a Section 501 conference to discuss the violations and actions requested of Diversified by the Department. If you have any questions, or require any additional information, please contact me at 724-301-9089 or via email at [kelkin@dgoc.com](mailto:kelkin@dgoc.com)

Sincerely,

Kirk K. Elkin  
Director, EHS  
Diversified Gas and Oil Corporation



D I V E R S I F I E D G A S & O I L  
C O R P O R A T I O N

March 18, 2020

David McDermott, Environmental Group Manager  
Pennsylvania Department of Environmental Protection  
Southwest District Oil and Gas Operations  
400 Waterfront Drive  
Pittsburgh, PA 15222

Subject: Amended NOV Response for Enforcement Record 383403 violations  
associated with Inspection Record # 2990542  
Diversified Production, LLC  
For 110 individual Unconventional Well Sites.  
Fayette, Greene, Washington, Indiana and Westmoreland Counties, Pennsylvania

Dear Mr. McDermott:

Diversified Production, LLC (Diversified) is submitting this amended response to your NOV issued on January 30, 2020 regarding the structural integrity of the produced fluid tanks at **110** unconventional well sites. Diversified's NOV response on February 19, 2020 for the Multi-Gas Well "Unconventional Tank NOV" stated that Diversified would remove, and replace when operationally necessary, all inoperable produced fluid tanks within **2 years** of the date of the letter (February 19, 2022). In response to recent events that continue to develop regarding the Corona Virus Pandemic, Diversified would like to amend the target date of our original plan to complete the unconventional tank removals/replacements to **August 19, 2022. (30 months)**. Diversified feels that the uncertainty surrounding supply chain interruption material availability, and contractor and vendor availability, will result in delays in the completion of this work. On March 13, 2020 Diversified provided an updated Exhibit C Tank Replacement List and 12 months of requested monthly unconventional tank inspections. The number of unconventional well sites with tanks that need to be removed has slightly increased from the original response on February 19, 2020 to **117 sites** due to a reassessment of unconventional tanks that was requested by the Department) Remedial Action item #2 on the original NOV (see below) is the only part of the February 19, 2020 original NOV response that changed.

2. A schedule to replace or repair all deficient tanks at Unconventional Well Sites -  
Within **30 months** from the date of this letter, Diversified will remove, and replace when deemed operationally necessary, all tanks listed on the current Exhibit C list. Any new tanks will be installed in accordance with applicable sections of 78.57. Additionally, if a

101 McQuiston Drive, Jackson Center PA  
Phone (724)662-0300



# DIVERSIFIED GAS & OIL CORPORATION

removed tank(s) is replaced, a new secondary containment structure will be installed in accordance with §78a.64a. Figure 1. below lists the inoperable tanks that Diversified will remove first. The Burchianti #11A has already been removed and will not be replaced at this time. The tanks from the well sites listed in Figure 1 will be removed or replaced within 90 days or less from the date of this letter. Diversified will notify the Department when any tank is removed from a well site listed on Exhibit C by updating Exhibit C on a *quarterly basis* beginning **April 1, 2020** and will provide to the Department . Those wells with an asterisk in Figure 1 are under a previously issued NOV.

37-059-24428	Burchianti #11A*
37-059-24606	Burchianti #24*
37-059-24606	Burchianti #24
37-129-27280	Doney #11*
37-129-27282	Doney #13*
37-129-27503	Hunter #24*
37-129-26838	Hunter UT #13*
37-129-28008	Smouse #5*
37-051-23989	Yasenosky #3*
37-051-24216	Yasenosky #4

Figure 1

Diversified has made and will continue to make a good faith effort to fully and timely respond to the Department's January 30, 2020 NOV that it received February 4, 2020. Diversified reserves the right to supplement this response as appropriate. Additionally, Diversified reserves any and all rights, defenses, and objections regarding the matters addressed herein

If you have any questions, or require any additional information, please contact me at 724-301-9089 or via email at [kelkin@dgoc.com](mailto:kelkin@dgoc.com)

Sincerely,

Kirk K. Elkin  
Director, EHS  
Diversified Gas and Oil Corporation

**Attachment K**

**Google Earth Maps and Street View Images**

The map on the following page displays an overlay of the proposed facility layout (taken from G2's application) with Google Earth imagery and PAMAP hillshade data from PASDA.

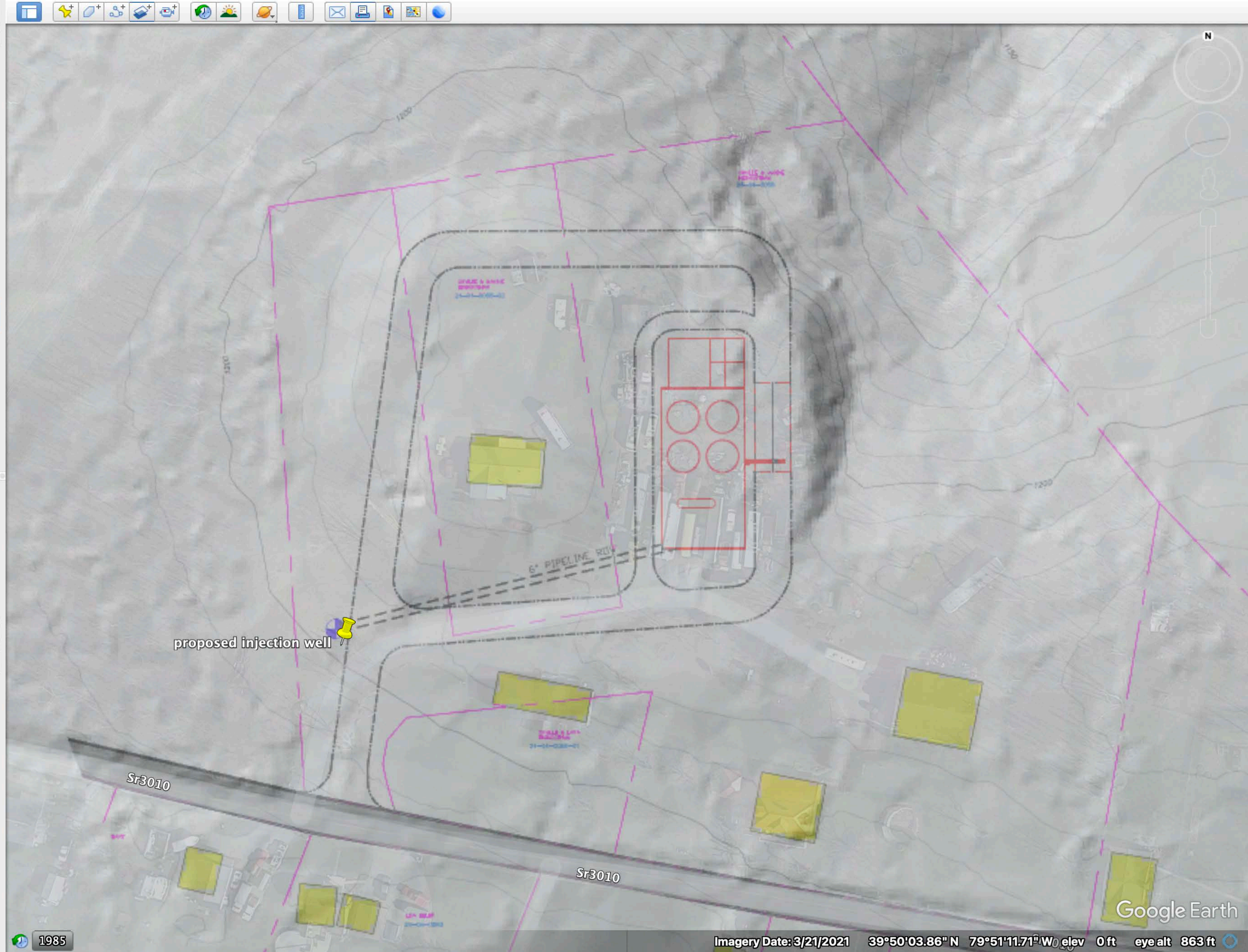
The location of the overlay on the map is *approximated* based on common features.

Places

- injection well - Nicholson Twp
  - 1/4 mile radius
  - 1 mile radius
  - surface water
  - Truck and facility layout (approx o...
  - JN Johnson abandoned well
  - proposed injection well
  - DigitizedMinedAreas2023\_06
    - DigitizedMinedAreas2023\_06
  - PAMAP\_Hillshade.kmz
    - Layers
      - Hillshade1\_2\_7\_8  
Data outside requested BBOX.
      - Hillshade3\_4\_9\_10  
Data outside requested BBOX.
      - Hillshade5\_6\_11\_12  
Data outside requested BBOX.
      - Hillshade1\_2\_7\_8
      - Hillshade3\_4\_9\_10  
Data outside requested BBOX.
      - Hillshade5\_6\_11\_12  
Data outside requested BBOX.

Layers

- Primary Database
  - Announcements
  - Borders and Labels
  - Places
  - Photos
  - Roads
  - 3D Buildings
  - Weather
  - Gallery
  - More
  - Terrain



The blue lines drawn on the following two maps trace streams visible on Google Earth imagery that are tributaries to Jacobs Creek.  
Jacobs Creek is not shown directly on these maps as it is visible in other documents in the record.

The traced streams *may extend further than they are drawn*, particularly given the topography visible via the PAMAP hillshade imagery.



Places

- general area
- injection well - Nicholson Twp
  - 1/4 mile radius
  - 1 mile radius
  - surface water
  - Truck and facility layout (approx o...
  - JN Johnson abandoned well
  - proposed injection well
- Mylar\_Mine\_Portals\_and\_Seam\_E...
- DigitizedMinedAreas2023\_06
  - DigitizedMinedAreas2023\_06
- PAMAP\_Hillshade.kmz
  - PAMAP\_Hillshade
    - Layers
      - Hillshade1\_2\_7\_8  
Data outside requested BBOX.
      - Hillshade3\_4\_9\_10  
Data outside requested BBOX.
      - Hillshade5\_6\_11\_12  
Data outside requested BBOX.
      - Hillshade1\_2\_7\_8
      - Hillshade3\_4\_9\_10  
Data outside requested BBOX.
      - Hillshade5\_6\_11\_12

Layers

- Primary Database
  - Announcements
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  - Places
  - Photos
  - Roads
  - 3D Buildings
  - Weather
  - Gallery
  - More
  - Terrain



Walnut Hill Rd

Woodside

proposed injection well

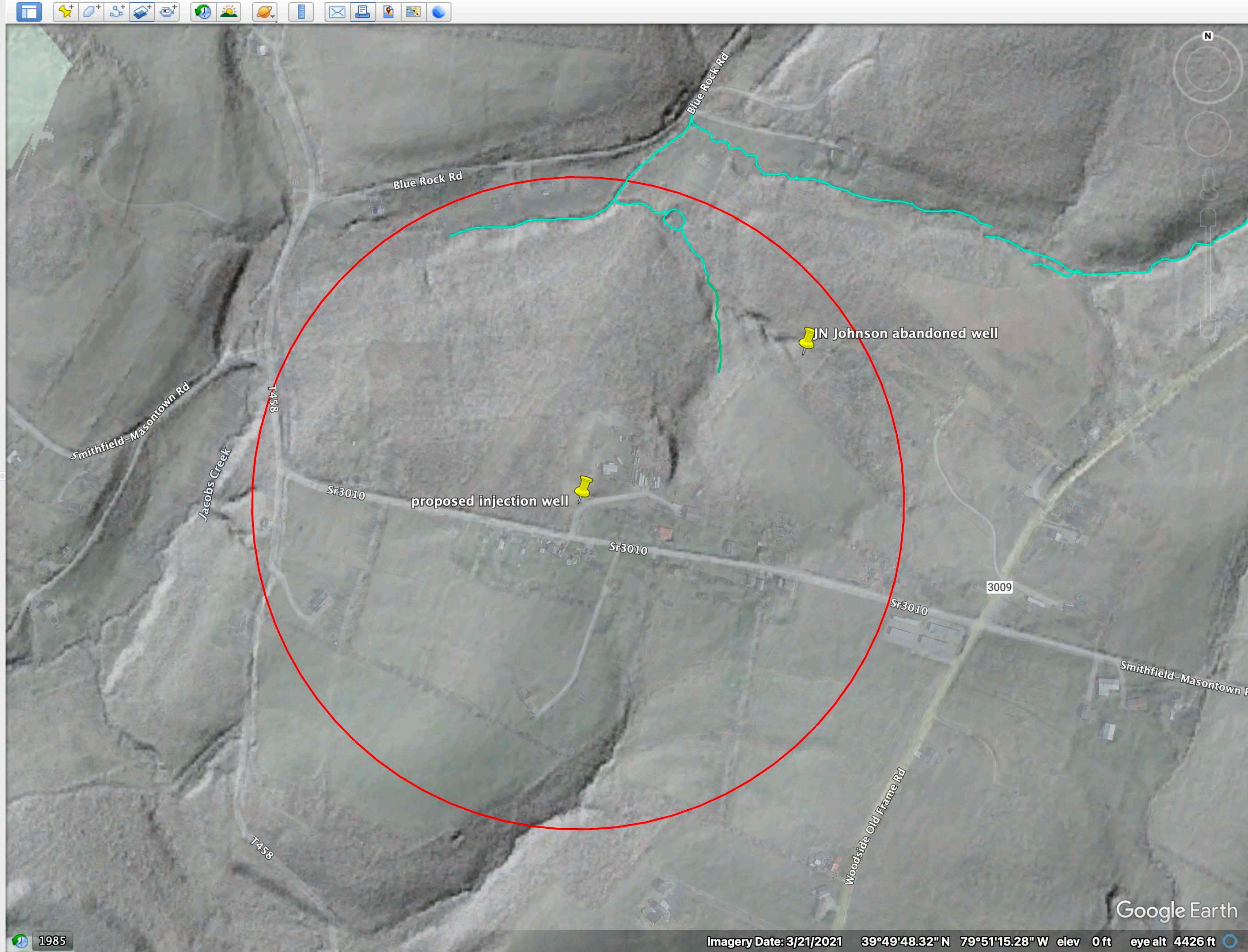
JN Johnson abandoned well

Places

- general area
- injection well - Nicholson Twp
  - 1/4 mile radius
  - 1 mile radius
- surface water
- Truck and facility layout (approx o...
- JN Johnson abandoned well
- proposed injection well
- Mylar\_Mine\_Portals\_and\_Seam\_E...
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- PAMAP\_Hillshade.kmz
- PAMAP\_Hillshade
  - Layers
    - Hillshade1\_2\_7\_8  
Data outside requested BBOX.
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    - Hillshade5\_6\_11\_12  
Data outside requested BBOX.
    - Hillshade1\_2\_7\_8
    - Hillshade3\_4\_9\_10  
Data outside requested BBOX.
    - Hillshade5\_6\_11\_12

Layers

- Primary Database
  - Announcements
  - Borders and Labels
  - Places
  - Photos
  - Roads
  - 3D Buildings
  - Weather
  - Gallery
  - More
  - Terrain



The last two pages are taken from Google Earth Street View, and show the existing Higinbotham #1 well, and the proximity of the existing driveway to nearby homes.



Google Earth

© 2023 Google



5.96 ft



Google Earth

© 2023 Google



4.70 ft