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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

June 15, 2016

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4102415, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin  
Chief  


Operator's Well No: WV654476  
Farm Name: POWERS, ERIC J.  
**API Well Number: 47-4102415**  
**Permit Type: Plugging**  
Date Issued: 06/15/2016

**Promoting a healthy environment.**

**06/17/2016**

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

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### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

Form WW-4 (B)  
Permit Copy  
(Rev 2/01)

Date: May 10, 2016  
Operator's Well  
Well No. 654476 (Smith #1125)  
API Well No.: 47 041 - 02415

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil \_\_\_\_\_ Gas X Liquid Injection \_\_\_\_\_ Waste Disposal: \_\_\_\_\_  
If Gas, Production \_\_\_\_\_ X Or Underground storage \_\_\_\_\_ Deep \_\_\_\_\_ Shallow X
- 5) Elevation: 1098 ft. Watershed: Freemans Creek  
Location: Freemans Creek County: Lewis Quadrangle: Vadis 7.5'  
District: \_\_\_\_\_
- 6) Well Operator EQT Production Company  
Address: 120 Professional Place  
Bridgeport, WV 26330
- 7) Designated Agent: Rex C. Ray  
Address: 120 Professional Place  
Bridgeport, WV 26330
- 8) Oil & Gas Barry Stollings  
Name: 28 Conifer Drive  
Address: Bridgeport, WV 26330
- 9) Plugging Contractor:  
Name: HydroCarbon Well Service  
Address: PO BOX 995  
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See Attachment for details and procedures.**

RECEIVED  
OFFICE OF OIL AND GAS  
JUN 07 2016

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector [Signature] Date 6-1-16

# PLUGGING PROGNOSIS -

## Smith 1125 (654476)

API # 47-041-02415

Carnegie District, Lewis Co., WV

Vadis Quad

Prepared by: **Jeff Mast updated 5/9/16 by Craig Duckworth**  
9/6/07

### Current Status:

10" @ 90'

8 1/4" @ 729'

6 5/8" @ 1625'

2" @ 2662'

6 5/8" x 2" Packer @ 2432'

TD @ 2664'

**FW @ None Reported      Coal Shows @ 68' - 70'**

**SW @ None Reported      1<sup>st</sup> Salt Sand @ 870' - 1390'**

**Oil Show @ Blue Monday (1593' - 1640'), Gantz 1839' - 1913'**

**Gas Shows @ Blue Monday (1593' - 1640'), Big Injun (1685' - 1785'), Gantz 1839' - 1913'), 5<sup>th</sup> Sand (2578')**

**Completion:** Gantz shot w/ 20 qts, Blue Monday Shot w/ 70 qts., 5<sup>th</sup> Sand listed as producing formation

- 1.) Notify State Inspector Barry Stollings 304-552-4194 48 hrs prior to commencing operations.
- 2.) Attempt to pull 2662' of 2" tbg and packer @ 2432'. If tbg and packer will not pull, TIH w/ wireline and cut tbg @ 2432'. TOO H w/ tbg check condition.
- 3.) TOO H w/ tbg to 2432'; Set 100' C1A Cement Plug @ 2432' to 2332' (6 5/8" x 2" packer, 5<sup>th</sup> Sand').
- 4.) TOO H w/ tbg to 2332'; Gel Hole @ 2332' to 1839'.
- 5.) TOO H w/ tbg to 1839'; Set 100' C1A Cement Plug @ 1839' to 1739' (Gantz oil/gas show).
- 6.) TOO H w/ tbg to 1739'; Gel Hole @ 1739' to 1685'.
- 7.) TOO H w/ tbg to 1685'; Set 192' C1A Cement Plug @ 1685' to 1493' (6 5/8" csg pt., Big Injun gas show, Blue Monday completion).
- 8.) TOO H w/ tbg. Free Point 6 5/8" csg. Cut 6 5/8" @ free point, TOO H w/ 6 5/8" csg.
- 9.) Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all SW, FW, Coal, and Gas Shows below 6 5/8" cut. Do not omit any plugs.
- 10.) TIH w/ tbg to Gel Hole @ 1493' to 870'.
- 11.) TOO H w/ tbg to 870'; Set 191' C1A Cement Plug @ 870' to 679' (1<sup>st</sup> Salt Sand, 8 1/4" csg st.).
- 12.) TOO H w/ tbg, Free Point 8 1/4" csg. Cut 8 1/4" @ free point, TOO H w/ 8 1/4" csg.
- 13.) Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all SW, FW, Coal, and Gas Shows below 8 1/4" cut. Do not omit any plugs.
- 14.) TIH w/ tbg to 679'; Gel Hole @ 679' to 200'.
- 15.) TOO H w/ tbg, Free Point 10" csg. Cut 10" @ free point, TOO H w/ 10" csg.
- 16.) Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all SW, FW, Coal, and Gas Shows below 10" cut. Do not omit any plugs.
- 17.) TOO H w/ tbg to 200'; Set 200' C1A Cement Plug @ 200' to Surface (10" Csg. Pt., Coal Show).
- 18.) Top off w/ cement as needed
- 19.) Set Monument & Reclaim location to WV DEP Specs.

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Office of Oil and Gas  
MAY 17 2016  
WV Department of  
Environmental Protection

4102415P

215 REV. 1239

# CARNEGIE NATURAL GAS COMPANY

## DEFECTIVE REPORT

WELL No. 2-1125

me Elizabeth Smith Lease No. E-10800-35 Acreage 76 Other Wells on Lease None  
Freemans Creek 5th Sand Lewis Co. W. Va. Map Vadie S. W. 1/4 Quad.

Original Gas Well Royalty 300.00 Reduced To 200.00 Quarter Due 8-28-66

### HISTORY OF WELL

Pittsburgh Coal 68' to 70' Original Depth 2664' Present Depth 2661'  
Well Producing Gas From 5th Sand Sand at Depth of 2578'  
" " " " " " " "  
" " Oil " " " " "  
" " " " " " " "

Amount of Cavings in Hole..... Amount of Water in Hole.....  
Date Well Last Cleaned Out Drill Pipe 19.28 Increased From..... Cu. Ft. Per Day 1613 Bbbs. Per Wk. To..... Cu. Ft. Per Day 1630 Bbbs. Per Wk.  
" " Shot 4 times 19 With..... Qts..... Sand 1613 Ft. to 1630 Ft.  
" " " August 17 19.28 " 20 " " 1613 " 1647 "  
" " " 19 " " " " " " "

### CASING & TUBING RECORD

13" None 10" 90' 8 1/2" 729' 6 3/4" 1625' 5 1/2" Tubing 2662' of 2" Packer Set 2432'

Kind and Condition of Rig..... None

Original Test Taken 5-31-28 R. P. 205 #..... Test Taken for This Report 7-1-66 R. P. 12 #.....  
Open Flow 1/10 Water in 2" Cu. Ft. 84,000 Open Flow Zero in 1/2" (Tubing) Cu. Ft.....

Initial Oil Production..... Bbbs. Day Week Now Making..... Bbbs. Daily Weekly by..... (How Produced)

What should be done with Well in my opinion Swab, Sinkers and wire line broke off in Tubing while swabbing well. Unable to fish out. I recommend moving in Machine, pull Tubing, clean out and run Electric Log for possibility of Fracturing.

Date 7-5-66 Foreman H. L. Yoho

I recommend cleaning out to bottom, test gas in Big Injun and Fifth sands, run electric log to locate the producing sands and the possibility of fracturing Big Injun sand and possibility of shooting Fifth Sand. Our record shows that this well was shot a number of times in the five sands and Squaw Sand. If the record is any way near correct, it is my opinion from a study of other wells in this locality there is a pay of gas near the bottom of the Big Injun sand that will respond well to fracturing. In 1965 this well was delivering by special permit 15,000 cu. ft. (over)

Estimated Cost of Repairs Recommended \$ 3,000.00 Date July 22, 1966 Office of Oil and Gas  
To fracture -16,000 additional.

Instructions from Pittsburgh Office. We do not believe the chances of increased production from the Fifth Sand will justify the expenditure. The well is producing in excess of 3 MMCF per year with less than 200 MCF per year coming from tubing.  
PRODUCE AS IS UNTIL THE ROCK PRESSURE REACHES 100 - 125 LBS. OR ENVIRONMENTAL PROTECTION BELOW 1.5 MMCF PER YEAR.

Date AUG. 11, 1966 APPROVED Thomas Lynch General Supervisor  
06/17/2016

4102415P

# CARNEGIE NATURAL GAS COMPANY

Map Sheet No. Section 5, T. 21 N., R. 10 W., P. 10 RECORD OF WELL Well No. 2-1125  
 Drilled on Elizabeth Smith Farm of 76 Acres, situate in  
Emery Creek Township Lewis County W. Va. Lease No. 10800-35  
 Shipping Point \_\_\_\_\_ Foreman \_\_\_\_\_

Located \_\_\_\_\_ RIG \_\_\_\_\_ WELL \_\_\_\_\_  
 Notified Gen'l Office \_\_\_\_\_  
 Commenced March 5 - 1925 Commenced Drilling May 1 - 1925  
 Completed March 12 - 1925 Completed Drilling May 17 - 1925  
 Contractor John Craig Notified Gen'l Office \_\_\_\_\_  
 Address Charleston Contractor L. H. Campbell  
 Address \_\_\_\_\_

ROCK FORMATION	TOP	BOTTOM	REMARKS	PRESSURE AND VOLUME
ductor				1/2 Minute
platon Coal				1 "
tsb. Coal				2 "
ite Dunkara				3 "
: Dunkard				4 "
i Sand				5 "
Salt Sand				10 "
. Salt Sand				15 "
ton Sand				30 "
la Lime				1 Hour
oil Cave				Rock
Lime <u>Started to</u>				Size of { Tubing
Injun <u>Drill in</u>		<u>1786</u>	<u>Shot at 1783-1784</u>	Size of { Casing
tz Sand <u>paper</u>			<u>tested 1 1/2 water</u>	Vol. by Water
oot Sand <u>ground</u>			<u>is 1" when</u>	" " Mercury
oot Sand <u>at 1725</u>			<u>Drilling was</u>	" " Pressure
lon Stray			<u>Completed</u>	
on Sand				
sand <u>Shot 8-17-1925</u>			<u>Shot 9-13-1925</u>	CONNECTED TO MAIN LINE
ian <u>with 20-qt.</u>			<u>with 40-qt.</u>	<u>1923?</u>
rd Sand <u>1746-1847</u>			<u>1613-1623</u>	Length of Line <u>12'-16'</u> Feet <u>1154</u>
with				Size of Line <u>2"-3"</u> Inch <u>4"</u>
shley				DISCONNECTED FROM LINE
ord				<u>Shot 9-3-1925</u>
				<u>with 30-qt.</u>
				<u>1622-1627</u>
				<u>April 27, 1925</u>

Total Depth 1838 Feet at \$ \_\_\_\_\_ per Foot \$ \_\_\_\_\_  
 Gas Furnished at \_\_\_\_\_ Cents per Foot

### CASING RECORD

CHARGED TO WELL		PUT IN WELL		PULLED		LEFT IN WELL		TRANSFERRED		LEFT AT WELL		PACKER
Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
												Kind
												Size
												Set at
												Feet
												WELL SHOT
												By <u>Elizabeth Smith</u>
												With <u>13</u> Qts. at <u>1623</u> Feet <u>1623</u>

Casing Cemented in Well \_\_\_\_\_ by \_\_\_\_\_

06/17/2016

4102415P

STANDARD NATURAL GAS COMPANY

Map Sheet No. .... RECORD OF WELL Well No. 2-1126  
 Drilled on Elizabeth Smith Farm of 16 Acres, situate in  
main creek Township Lucas County W Va Lease No. 10800-3  
 Shipping Point District Foreman

Located Sept 6-1922 Commenced Drilling Nov. 15-1922  
 Notified Gen'l Office  
 Completed Drilling Jan. 18-1923  
 Notified Gen'l Office  
 Contractor A. J. Wiggins Contractor C. M. McCall and  
 Address Winton W. Va. Address

ROCK FORMATION	TOP	BOTTOM	REMARKS	PRESSURE AND VOLUME
Conductor	<u>16 ft</u>			1/2 Minute <u>190</u> Lbs.
Mapleton Coal				1 " <u>245</u> "
<del>Fitzgerald Coal</del>	<del>65</del>	<del>70</del>		2 " <u>310</u> "
Little Dunkard				3 " <u>350</u> "
Big Dunkard	<u>520</u>	<u>540</u>		4 " <u>370</u> "
Gas Sand	<u>695</u>	<u>715</u>		5 " <u>375</u> "
<del>at Salt Sand</del>	<del>870</del>	<del>875</del>		10 " <u>390</u> "
nd Salt Sand	<u>1220</u>	<u>1390</u>		15 " <u>400</u> "
Maxton Sand	<u>none</u>			30 " <u>410</u> "
Little Lime	<u>1561</u>	<u>1593</u>		1 Hour <u>420</u> "
<del>Lucas</del>	<del>1593</del>	<del>1640</del>	<u>Oil and Gas 1619</u>	Rock <u>460</u> "
<del>Big Lime</del>	<del>1640</del>	<del>1685</del>		Size of Tubing <u>.3</u> Inch
<del>Big Limestone</del>	<del>1685</del>		<u>Gas 1705 to 1716</u>	Size of Casing "
Plantz Sand				Vol. by Water
3 Foot Sand				" " Mercury <u>410</u>
3 Foot Sand				" " Pressure
ordon Stray				
ordon Sand				
h Sand				
h S.				
yard Sand				
Elizabeth				
Bechley				
adford				
<p><u>79' needed to pump water with upgrah</u>  <u>air 29 days</u></p>				

Total Depth 1725 Feet at \$ \_\_\_\_\_ per Foot \$ \_\_\_\_\_  
 Gas Furnished at \_\_\_\_\_ Cents per Foot

CASING RECORD

CHARGED TO WELL		PUT IN WELL		PULLED		LEFT IN WELL		TRANSFERRED		LEFT AT WELL		PACKER
Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	
<u>105</u>		<u>90</u>				<u>90</u>		<u>15</u>		<u>none</u>		Kind <u>Anchor</u> Size <u>6 1/2 x 5</u> Set at <u>1637</u> Feet WELL SHOT <u>8-15-25</u> By <u>Marietta Tapped Co.</u> With <u>10</u> Qts. at <u>1623</u> Feet/6.3
<u>1097</u>		<u>729</u>				<u>729</u>				<u>268</u>		
<u>1917</u>		<u>1625</u>				<u>1625</u>		<u>292</u>				

Casing Cemented in Well \_\_\_\_\_ by \_\_\_\_\_  
 06/17/2016

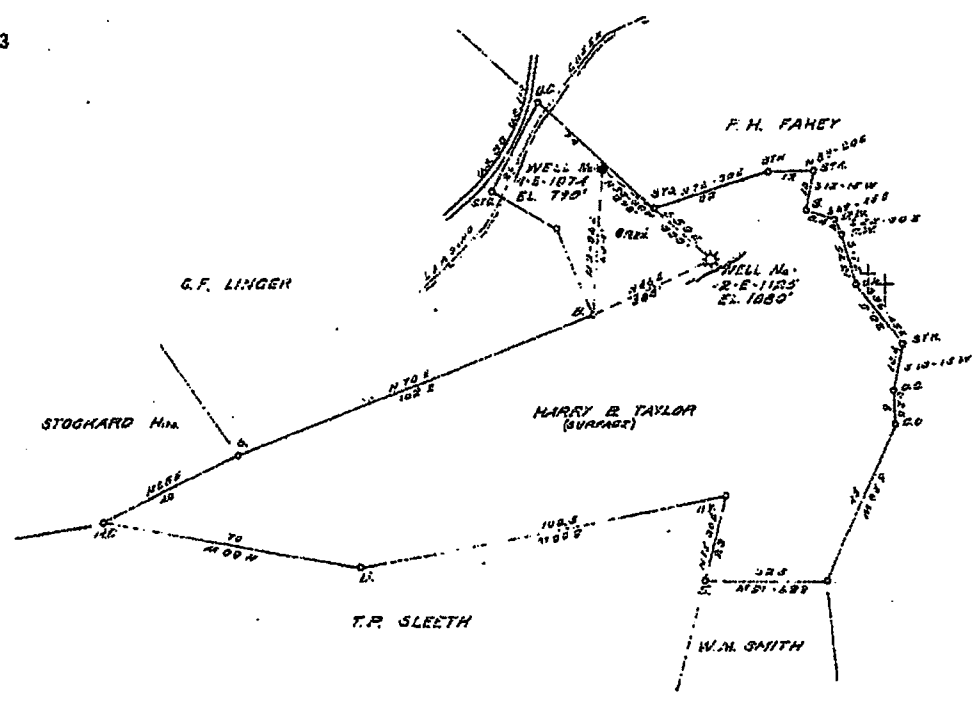
4102415P

Latitude 39 05

0  
1  
2  
3

1 2 3

Longitude 80 40



APR 23 1942

New Location   
 Drill Deeper   
 Abandonment

Company CARNEGIE NATURAL GAS CO.  
 Address PITTSBURGH PA.  
 Farm ELIZABETH SMITH  
 Tract \_\_\_\_\_ Acres 76 Lease No. E-10800-95  
 Well (Farm) No. ONE Serial No. E-1074  
 Elevation (Spirit Level) 770'  
 Quadrangle MSD'S S.W.  
 County LEWIS District FREEMANS CREEK  
 Engineer R. L. SWEENEY  
 Engineer's Registration No. \_\_\_\_\_  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 3-29-46 Scale 1" = 40' P.L. 1" = 660'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. LEW-323-A

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

06/17/2016



WW-4-A  
Revised 6/07

1) Date: May 10, 2016  
2) Operator's Well Number  
654476 (Smith #1125)  
3) API Well No.: 47 041 - 02415  
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT**  
**DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS**  
**NOTICE AND APPLICATION TO PLUG AND ABANDON WELL**

4) Surface Owner(s) to be served:  
(a) Name Eric Powers  
Address 13977 Hwy 33 W.  
Alum Bridge, WV 26321  
(b) Name Bernie and Carolyn Lowther  
Address 516 Kliens Run Road  
Alum Bridge, WV 26321  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Barry Stollings  
Address 28 Conifer Drive  
Bridgeport, WV 26330  
Telephone (304) 552-4194

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name None  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name None  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
  - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

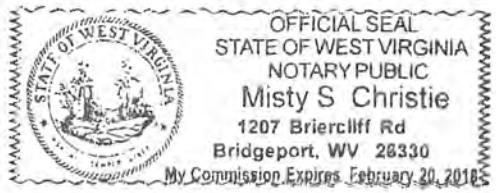
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator: EQT Production Company  
By: Victoria J. Roark  
Its: Permitting Supervisor  
Address: PO Box 280  
Bridgeport, WV 26330  
Telephone: (304) 848-0076

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Office of Oil and Gas  
MAY 17 2016  
WV Department of  
Environmental Protection

Subscribed and sworn before me this 12th day of May, 2016  
Misty S. Christie Notary Public  
My Commission Expires: 2/2016

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



06/17/2016

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS**  
**CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM**  
**GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE**

Operator Name: EQT PRODUCTION COMPANY OP ID: \_\_\_\_\_  
Watershed: Freemans Creek Quadrangle: Vadis 7.5'  
Elevation: 1098 ft. County: Lewis District: Freemans Creek

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_ No X  
Will synthetic liner be used in the pit? Yes Is so, what ml.? 10 ml - 20 ml minimum

Proposed Disposal Method for Treated Pit Wastes:  
 Land Application  
 Underground Injection - UIC Permit Number \_\_\_\_\_  
 Reuse (at API Number) - Various \_\_\_\_\_  
 Offsite Disposal Permit #. See attached \_\_\_\_\_  
 Other: Explain \_\_\_\_\_

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. \_\_\_\_\_  
If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_  
Additives to be used? \_\_\_\_\_

Will closed loop system be used? \_\_\_\_\_  
Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. \_\_\_\_\_  
If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust \_\_\_\_\_  
Landfill or offsite name/permit number? \_\_\_\_\_

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.  
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Victoria Roark*  
Company Official (Typed or Printed) Victoria Roark  
Company Official Title Permitting Supervisor-WV

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Office of Oil and Gas  
MAY 17 2016

Subscribed and sworn before me this 12th day of May, 2016  
*Misty S. Christie* Notary Public  
My Commission Expires 2/20/18

WV Department of Environmental Protection



06/17/2016

<b>EQT Production Water plan</b> <b>Offsite disposals</b>
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**Waste Management - Meadowfill Landfill**

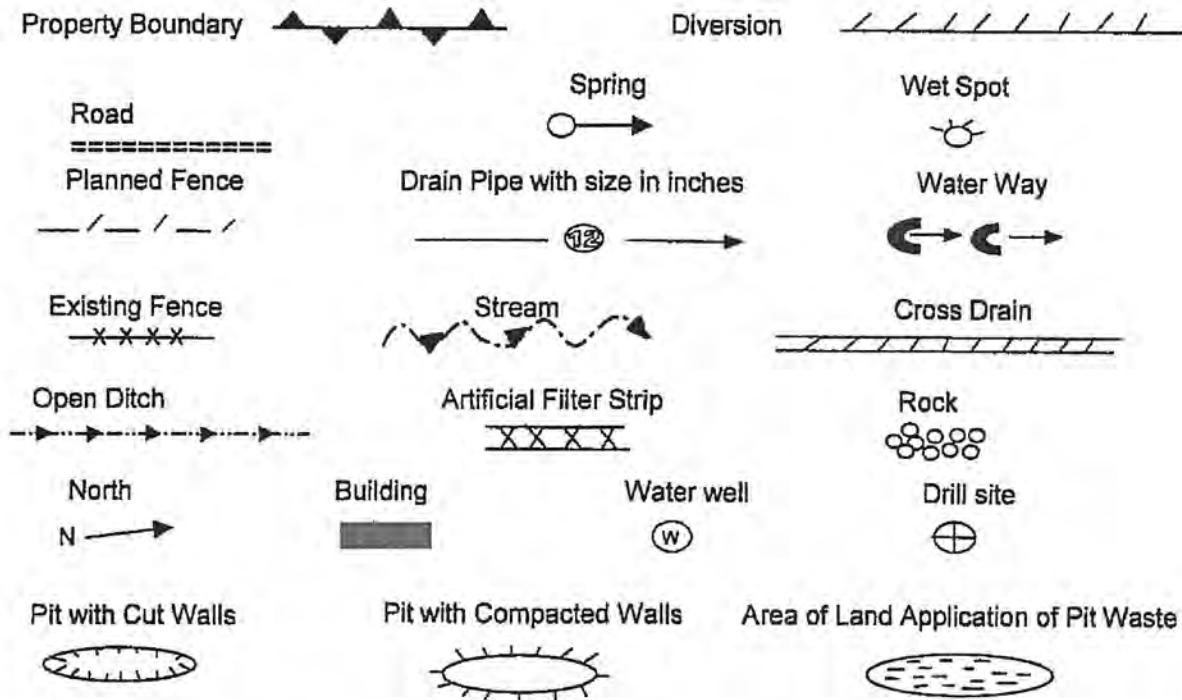
Rt. 2, Box 68 Dawson Drive  
Bridgeport, WV 26330  
304-326-6027  
Permit #SWF-1032-98  
Approval #100785WV

**Waste Management - Northwestern Landfill**

512 E. Dry Road  
Parkersburg, WV 26104  
304-428-0602  
Permit #SWF-1025 WV-0109400  
Approval #100833WV

**OPERATOR'S WELL NO.:**  
**654476 (Smith #1125)**

**LEGEND**



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH           
 Lime 3 Tons/acre or to correct to pH 6.5  
 Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)  
 Mulch 2 Tons/acre or hydroseed.

**SEED MIXTURES**

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

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OFFICE OF OIL AND GAS

JUN 07 2016

**ATTACH:**  
Drawing(s) of road, location, pit and proposed area for land application.  
Photocopies section of involved 7.5' topographic sheet.

Plan approved by: Bryan Hester

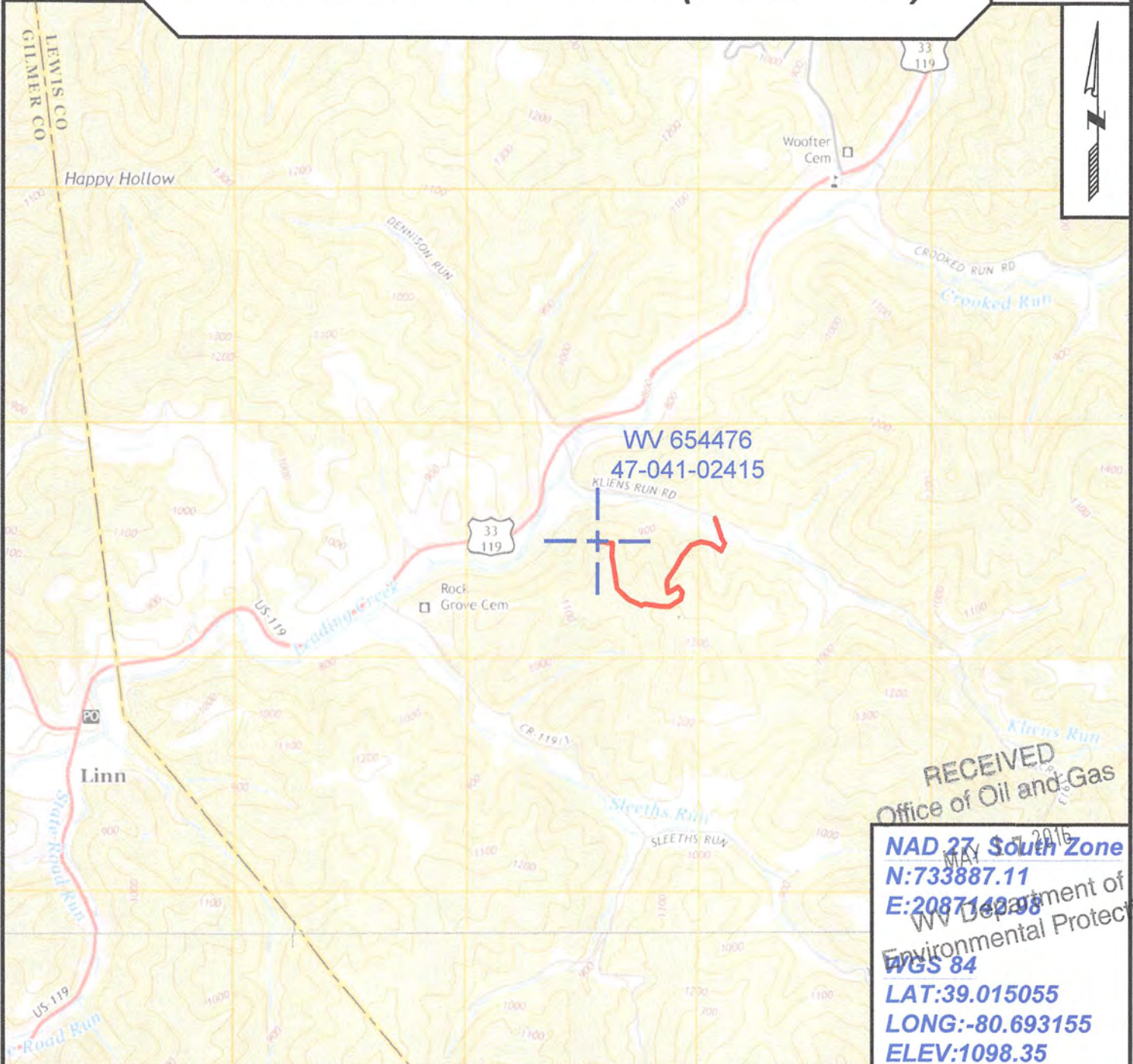
Comments: \_\_\_\_\_

Title: Inspector Date: 6-1-6  
 Field Reviewed?  Yes  No

Topo Quad: Vadis 7.5' Scale: 1" = 2000'  
 County: Lewis Date: April 28, 2016  
 District: Freemans Creek Project No: 73-12-00-08

# 47-041-02415 WV 654476 (Smith #1125)

Topo



RECEIVED  
 Office of Oil and Gas

MAY 17 2016  
 NAD 27, South Zone  
 N:733887.11  
 E:2087142.98  
 Department of  
 WV Dept of  
 Environmental Protection  
 WGS 84  
 LAT:39.015055  
 LONG:-80.693155  
 ELEV:1098.35



SURVEYING AND MAPPING SERVICES PERFORMED BY:  
**ALLEGHENY SURVEYS, INC.**  
 1-800-482-8606  
 237 Birch River Road  
 Birch River, WV 26610  
 PH: (304) 649-8606  
 FAX: (304) 649-8608

PREPARED FOR:  
**EQT Production Company**  
 P.O. Box 280  
 Bridgeport, WV 26330

06/17/2016

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-041-02415 WELL NO.: WV 654476 (Smith #1125)

FARM NAME: Smith

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Lewis DISTRICT: Freemans Creek

QUADRANGLE: Vadis 7.5'

SURFACE OWNER: Eric J. Powers

ROYALTY OWNER: ET Bluegrass Apollo Division, et al.

UTM GPS NORTHING: 4318492

UTM GPS EASTING: 526565 GPS ELEVATION: 335m (1098 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

Mapping Grade GPS X : Post Processed Differential X  
Real-Time Differential \_\_\_\_\_

- Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

*Eric J. Powers*  
Signature

PS# 2180  
Title

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Office of Oil and Gas  
MAY 27 2016  
WV Department of  
Environmental Protection  
5/2/16  
Date



### POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
LEASE NAME AND WELL No. Smith #1125- WV 654476 - API No. 47-041-02415

#### POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 900 +/- Owner: Eric J. Powers  
Address: 14015 US Hwy 33 W Alum Bridge, WV 26321 Phone No. \_\_\_\_\_  
Comments: \_\_\_\_\_

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MAY 17 2016  
WV Department of  
Environmental Protection

**BIRCH RIVER OFFICE**  
237 Birch River Road  
Birch River, WV 26610  
phone: 304-649-8606  
fax: 304-649-8608

**BRIDGEPORT OFFICE**  
172 Thompson Drive  
Bridgeport, WV 26330  
phone: 304-848-5035  
fax: 304-848-5037

**ALUM CREEK OFFICE**  
P.O. Box 108 • 1413 Childress Rd  
Alum Creek, WV 25003  
phone: 304-756-2949  
fax: 304-756-2948

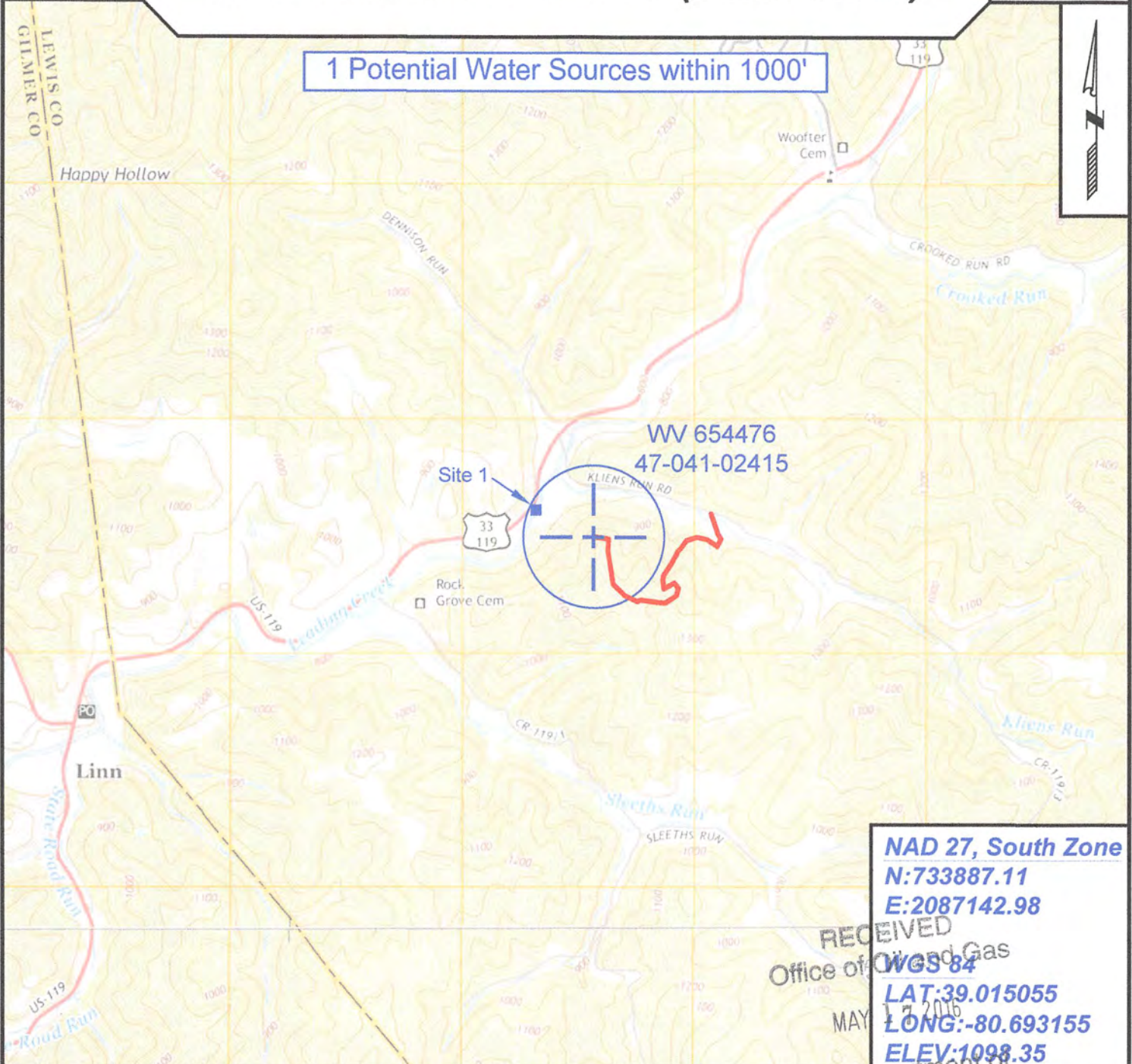
**MARTINSBURG OFFICE**  
25 Lights Addition Drive  
Martinsburg, WV 25404  
phone: 304-901-2162  
fax: 304-901-2182

Topo Quad: Vadis 7.5' Scale: 1" = 2000'  
 County: Lewis Date: April 28, 2016  
 District: Freemans Creek Project No: 73-12-00-08

Water

# 47-041-02415 WV 654476 (Smith #1125)

1 Potential Water Sources within 1000'



**NAD 27, South Zone**  
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