west virginia department of environmental protection

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 penalities 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.

4102415P

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.

CONDITIONS

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.

4102415P

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 Address: EQT Production Company, 120 Professional Place, Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place, Bridgeport, WV 26330

8) Oil & Gas Name: Barry Stollings
Address: 28 Conifer Drive, 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

4102415P

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 ¼" @ 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 **1st 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'), 5th Sand (2578')
Completion: Gantz shot w/ 20 qts, Blue Monday Shot w/ 70 qts., 5th 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'. TOOH w/ tbg check condition.
3.) TOOH w/ tbg to 2432'; Set 100' C1A Cement Plug @ 2432' to 2332' (6 5/8" x 2" packer, 5th Sand`).
4.) TOOH w/ tbg to 2332'; Gel Hole @ 2332' to 1839'.
5.) TOOH w/ tbg to 1839'; Set 100' C1A Cement Plug @ 1839' to 1739' (Gantz oil/gas show).
6.) TOOH w/ tbg to 1739'; Gel Hole @ 1739' to 1685'.
7.) TOOH 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.) TOOH w/ tbg. Free Point 6 5/8" csg. Cut 6 5/8" @ free point, TOOH 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.) TOOH w/ tbg to 870'; Set 191' C1A Cement Plug @ 870' to 679' (1st Salt Sand, 8 ¼" csg st.).
12.) TOOH w/ tbg, Free Point 8 ¼" csg. Cut 8 ¼" @ free point, TOOH w/ 8 ¼" csg.
13.) Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all SW, FW, Coal, and Gas Shows below 8 ¼" cut. Do not omit any plugs.
14.) TIH w/ tbg to 679'; Gel Hole @ 679' to 200'.
15.) TOOH w/ tbg, Free Point 10" csg. Cut 10" @ free point, TOOH 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.) TOOH 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

WELL No. 2-1125

DEFECTIVE REPORT

me Elizabeth Smith Lease No. E-10800-35 Acreage 76 Other Wells on Lease None

Freemans Creek Twp. Dist. Lewis Co., Penna. W. Va. Map Vadis S. W. ¼ Quad.

Original Gas Well Royalty $300.00 Reduced To $200.0 Quarter Due 8-28-66

HISTORY OF WELL

Pittsburgh Coal 68' to 70' Original Depth 2664' Present Depth 2664'

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 Reamer May 1928 Increased From Cu. Ft. Per Day Bbls. Per Wk. To Cu. Ft. Per Day Bbls. Per Wk.

" " Shot 4 times 19 With Qts. Sand 1613 Ft. to 1630 Ft.

" " " August 17 1928 " 20 " " 1840 " 1847 "

" " " 19 " " " " "

CASING & TUBING RECORD

Anchor 6-5/8" x 2"

13" None 10" 90' 8¼" 729' 6⅝" 1625' 5 3/16" Tubing 2662' of 2" Packer Set 2432'

Kind and Condition of Rig None

Original Test Taken 5-31-28 R. P. 205 #

Open Flow 4/10 Water in 2" Cu. Ft. 84,000

Test Taken for This Report 7-1-66 R. P. 12 #

Open Flow Zero in ½" (Tubing) Cu. Ft.

Initial Oil Production Bbls. Day Week Now Making Bbls. 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. Unalble 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 W. 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 Blue Bonds and Squaw Sand. If the record is any ways 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 [illegible] 15,00 cu. ft. (over)

Estimated Cost of Repairs Recommended $ 3,000.00 Date July 22, 1966 Division Supt. [signature]

To fracture - $6,000 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. OF [illegible] BELOW 1.5 MMCF PER YEAR.

Date AUG. 11, 1966.

APPROVED ORIGINAL SIGNED BY Thomas Lynch General Sup

[signature] Presiden

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

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CARNEGIE NATURAL GAS COMPANY

Map Sheet No. Valley S.W. Sycamore

RECORD OF WELL

Drilled on Elizabeth Smith

Farm of 76

Well No. 30125

Shipping Point Emmanuel Creek

Township District Lewis

County Wyo.

Acres, situate in

Lease No. 10800.35

Foreman

RIG

Located

N d Gen'l Office

Commenced March 5 - 1925

Completed March 12 1925

Contractor John Ring

Address Clarksburg

WELL

Commenced Drilling May 1 - 1925

Notified Gen'l Office

Completed Drilling May 14 1925

Notified Gen'l Office

Contractor L. H. Chapman & Co.

Address

ROCK FORMATION	TOP	BOTTOM	REMARKS
nductor			
ipleton Coal			
tsb. Coal			
tle Dunkard			
Dunkard			
Sand			
Salt Sand			
Salt Sand			
ton Sand			
le Lime			
cil Cave			
Lime			
Injun		1786	Bot. of 1786 Tested 1½ water in 1" when Drilling was Completed
tz Sand			
oot Sand			
oot Sand			
lon Stray			
on Sand			
Sand			Shot 9-13-1925 with 40-Qts, 1613-1623
San			
rd Sand			
eth			
chley			
ord			Shot 9-3-1925 with 30 Qts, 1622-1627

Shot 8-17-1926 with 20-Qts, 1846-1847

PRESSURE AND VOLUME

½ Minute		Lbs.
1 "		"
2 "		"
3 "		"
4 "		"
5 "		"
10 "		"
15 "		"
30 "		"
1 Hour		"
Rock		"
Size of Tubing		Inch
Size of Casing		"
Vol. by Water		
" " Mercury		
" " Pressure		

CONNECTED TO MAIN LINE

1923?

Length of Line 12' - 16' Feet 115#

Size of Line 2" - 3" Inch 4"

DISCONNECTED FROM LINE

April 27 1925

Notified Lessor

Abandoned

Repacked

With Feet Tubing

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	
Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
				1623							
				1723						1723	

PACKER

Kind

Size

Set at Feet

WELL SHOT from 13 - 1

By Hawkins Torpedo Co.

With 15 - Qts. at 1615 Feet 1623

asing Cemented in Well ..... by ..... Company Employee

4102415 P

CARNEGIE NATURAL GAS COMPANY

RECORD OF WELL

Map Sheet No. .....

Drilled on Elizabeth Smith Farm of 16 Well No. 8-1125

Shipping Point Township District Lewis County W Va Acres, situate in

Lease No. 10800-3

Foreman

RIG

Located Sept 6-1922

Notified Gen'l Office

Commenced Oct 25 1922

Completed Nov 4 1922

Contractor J. P. Wiggins

Address Weston W.Va.

WELL

Commenced Drilling Nov. 16-1922

Notified Gen'l Office

Completed Drilling Jan. 18-1923

Notified Gen'l Office

Contractor C. W. McCullough

Address

ROCK FORMATION	TOP	BOTTOM	REMARKS
Conductor 16 ft			
Mapleton Coal			
Pittsburgh Coal	65	70	
Little Dunkard			
Big Dunkard	520	540	
Gas Sand	695	715	
1st Salt Sand	870	895	
2nd Salt Sand	1220	1390	
Maxton Sand	none		
Little Lime	1561	1593	
Pencil Cave			
Big Lime	1640	1685	
Big Injun	1685		Gas 1685 to 1716
Gantz Sand			
30 Foot Sand			
50 Foot Sand			
Gordon Stray			
Gordon Sand			
4th Sand			
5th S.			
Dayard Sand			
Elizabeth			
Speechley			
Balfford			

Drilled 4 ft in Lime

Drilled 13 2 4 ft

Drilled 6 3 7 ft

6" 4 7 ft Lime

29 hours pumping water with upright air 29 days

PRESSURE AND VOLUME		
½ Minute	170	Lbs.
1 "	245	"
2 "	310	"
3 "	350	"
4 "	370	"
5 "	375	"
10 "	390	"
15 "	400	"
30 "	410	"
1 Hour	420	"
Rock	460	"
Size of Tubing	.3	Inch
Size of Casing		"
Vol. by Water		
" " Mercury	1/10	
" " Pressure		

CONNECTED TO MAIN LINE

Feb 8-1923

Length of Line Feet

Size of Line 4" Inch

DISCONNECTED FROM LINE

Notified Lessor

Abandoned

Repacked

With Feet Tubing

Total Depth 1725 Feet at $ per Foot $

Gas Furnished at Cents per Foot

CASING RECORD

CHARGED TO WELL Feet	In.	PUT IN WELL Feet	In.	PULLED Feet	In.	LEFT IN WELL Feet	In.	TRANSFERRED Feet	In.	LEFT AT WELL Feet	In.
105		90				90		15		none	
1097		729				729				268	
1917		1625				1625		292		—	
		1725				1725					

PACKER

Kind Anchor

Size 6 1/4 x 3

Set at 1687 Feet

WELL SHOT 8-15-25

By Marietta Torpedo Co.

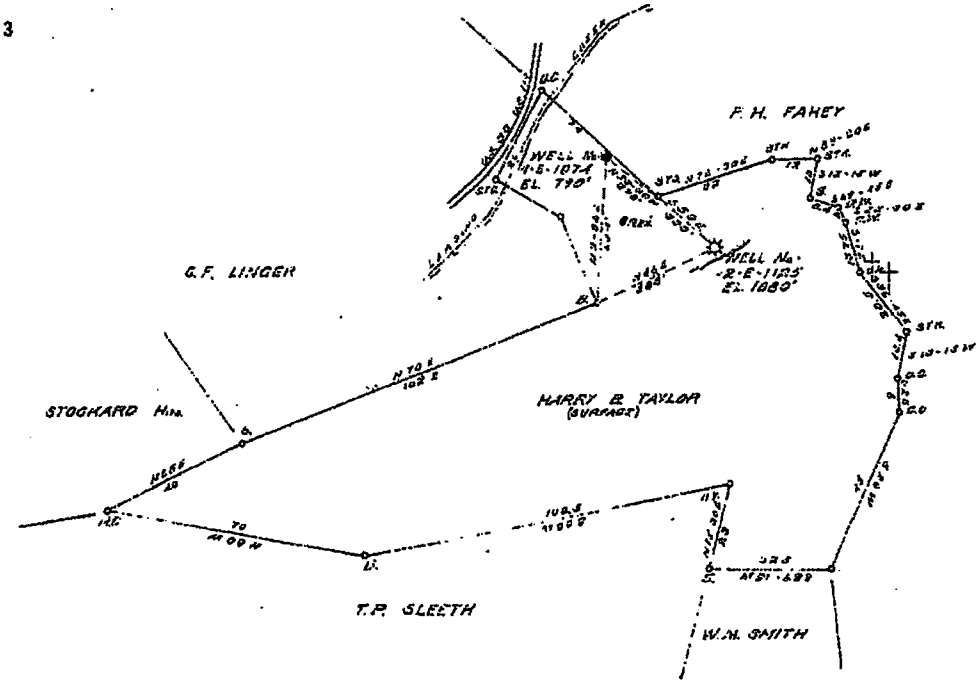
With 10 Qts. at 1623 Feet 1623

Casing Cemented in Well ..... by ..... Company Employee

4102415P

Latitude 39 05

Longitude 80 40



APR 23 1946

New Location
Drill Deeper
Abandonment X

Company CARNEGIE NATURAL GAS CO.
Address PITTSBURGH PA.
Farm ELIZEBETH SMITH
Tract _____ Acres 76 Lease No. E-10800-35
Well (Farm) No. ONE Serial No. E-1074
Elevation (Spirit Level) 790'
Quadrangle VADIS 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 Poles = 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.

4102415P

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:

Name:
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.

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

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

Subscribed and sworn before me this 12th day of May, 2016
Notary Public
My Commission Expires: 2/20/18

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.

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

4/1024115P

WW-9
Revised 2/03

Page ____ of ____
2) Operator's Well Number
654476 (Smith #1125)
3) API Well No.: 47 041 - 02415

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~~ 20mil minimum

Proposed Disposal Method for Treated Pit Wastes:

- ____ Land Application
- ____ Underground Injection - UIC Permit Number ____
- X Reuse (at API Number) - Various ____
- X 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 ____

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 12th day of May, 2016

Notary Public

My Commission Expires 2/20/18

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

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Misty S Christie
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

4102415P

EQT Production Water plan
Offsite disposals

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

4102415P

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

LEGEND

Property Boundary

Diversion

Road

Spring

Wet Spot

Planned Fence

Drain Pipe with size in inches

Water Way

Existing Fence

Stream

Cross Drain

Open Ditch

Artificial Filter Strip

Rock

North

N

Building

Water well

W

Drill site

Pit with Cut Walls

Pit with Compacted Walls

Area of Land Application of Pit Waste

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 Harris

Comments: _____

Title: Inspector Date: 6-1-6

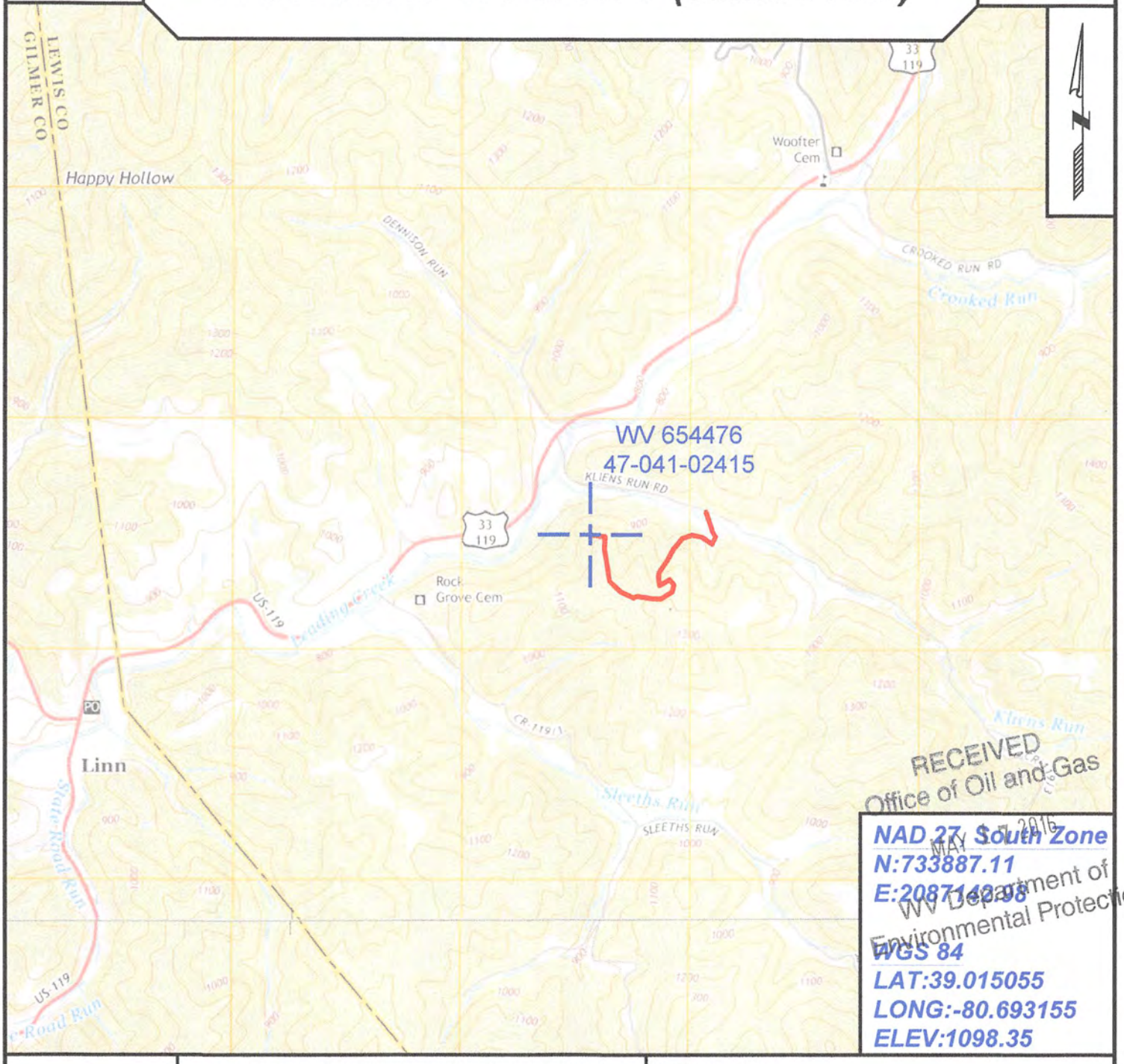
Field Reviewed? X Yes ____ No

4102415P

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



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Office of Oil and Gas
MAY 5 2016
WV Department of
Environmental Protection

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

4102415P

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:

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

Survey grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____
Mapping Grade GPS X : Post Processed Differential X
Real-Time Differential _____

4. **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.

RECEIVED
Office of Oil and Gas
MAY 11 2016
WV Department of
Environmental Protection

Signature	Title	Date
	PS# 2180	5/2/16

4102415P

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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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

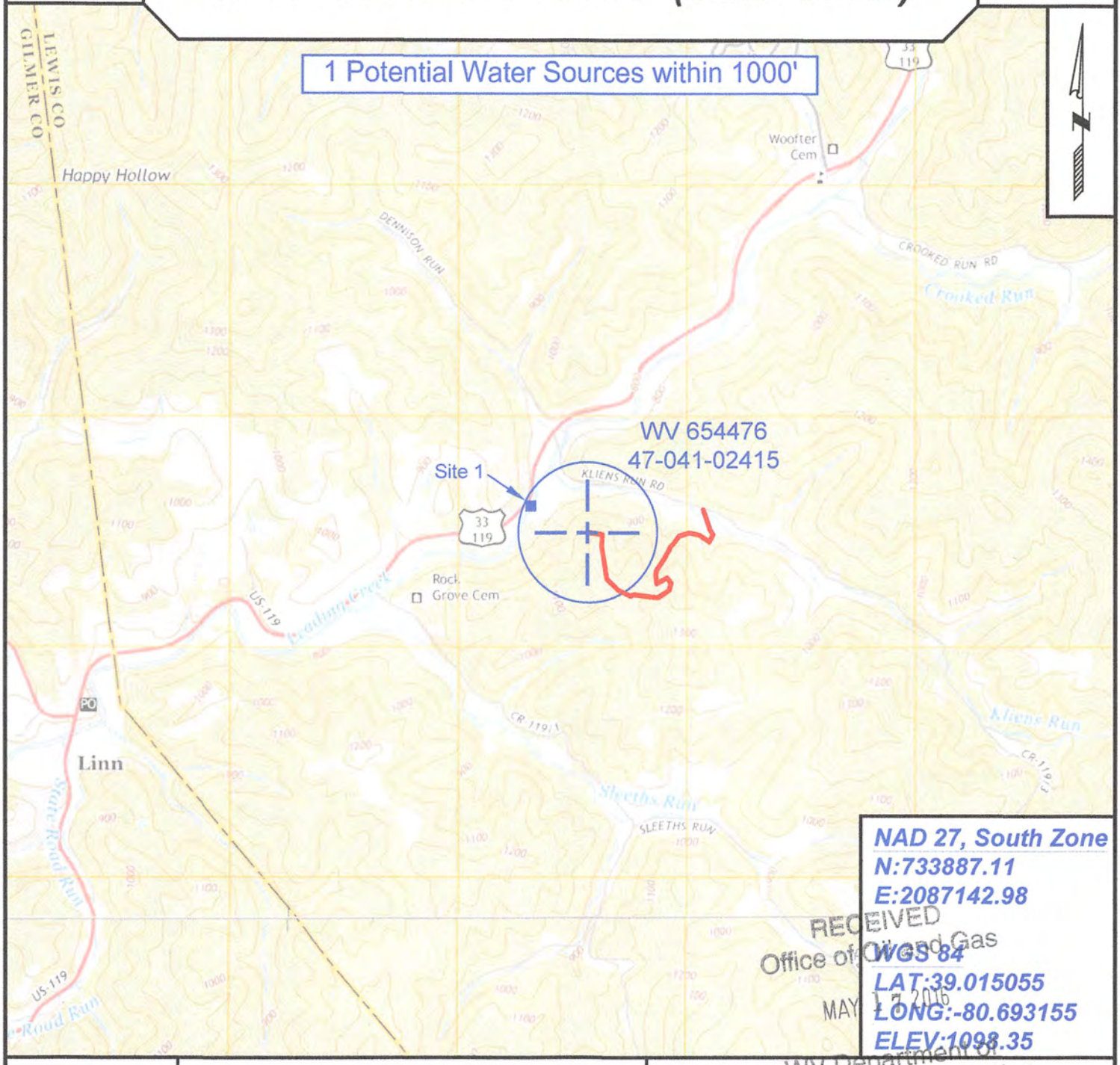
ALLEGHENYSURVEYS.COM

4102415P

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)



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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