



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

March 16, 2015

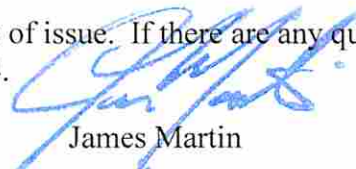
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4100117, 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: 8105
Farm Name: SMITH
API Well Number: 47-4100117
Permit Type: Plugging
Date Issued: 03/16/2015

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.

4100117P

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

Date: January 28, 2015
Operator's Well
Well No. 608105 (G. Smith #8105)
API Well No.: 47 041 - 00117

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: 1165 ft. Watershed: Hackers Creek
Location: Hackers Creek County: Lewis Quadrangle: Berlin
District: _____

6) Well Operator EQT Production Company
120 Professional Place
Address: 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.

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 Barry Stollings Date 2-17-15

03/20/2015

PLUGGING PROGNOSIS - Weston

Smith, C.W. #1 (608105)

Lewis Co., West Virginia

API # 47-041-00117

Dist: Courthouse

BY: Craig Duckworth

DATE: 12/16/14

CURRENT STATUS:

10" csg @ 165' (pulled)
 8 1/4" csg @ 835' (pulled)
 5 3/16" csg @ 1892' (packer 1892'
 3" tbg @ 2317' (packer 2192')

TD @ 2319'

Fresh Water @ None reported

Salt Water @ None reported

1st Salt Sand @ 725'

Coal @ None reported

Gas Shows @ 5th Sand @ 2300'; Gantz @ 1903'; Squaw @ 1555'; Big Injun @ 1481'; 2nd Salt Sand @ 1020'

Oil Shows @ None reported

Stimulation: None reported

Elevation:???? *plug at 1165 Barry Stollings*

1. Notify State Inspector, Barry Stollings 304-552-4194, 24 hrs. Prior to commencing operations.
2. Attempt to pull 3" csg. Free Point 3", cut 3" @ free point, TOOH w/ 3" csg
3. TIH w/ tbg @ 2317'; Set 117' C1A Cement Plug @ 2317' to 2200' (Gas Shows @ 5th Sand 2300' & 3" csg seat)
4. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 3" cut. Do not omit any plugs
5. TOOH w/ tbg @ 2200'; gel hole @ 2200' to 1942'
6. TOOH w/ tbg, Free Point 5 3/16", cut 5 3/16" @ free point, TOOH w/ 5 3/16" csg
7. TIH w/ tbg @ 1942'; Set 100' C1A Cement Plug @ 1942' to 1842' (5 3/16" csg cut)
8. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 5 3/16" cut. Do not omit any plugs
9. TOOH w/ tbg @ 1842'; gel hole @ 1842' to 1555'
10. TOOH w/ tbg @ 1555'; Set 174' C1A Cement Plug @ 1555' to 1381' (Gas Show @ 1555' Squaw & 1481' Big Injun)
11. TOOH w/ tbg @ 1381'; gel hole @ 1381' to 1020' (Gas show @ 1020' 5th Sand)
12. TOOH w/ tbg @ 1020'; gel hole @ 1020' to 885'
13. TOOH w/ tbg @ 885'; Set 174' C1A Cement Plug @ 885' to 625' (8 1/4" csg seat & Salt Sand @ 725')
14. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 1/4" cut. Do not omit any plugs
15. TOOH w/ tbg @ 625'; gel hole @ 625' to 215'.
16. TOOH w/ tbg @ 215'; Set 215' C1A Cement Plug @ 215' to Surface (10" csg @ 173')
17. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 10" cut. Do not omit any plugs
18. Top off as needed
19. Set Monument to WV-DEP Specification
20. Reclaim Location & Road to WV-DEP Specifications

4100117A

WW-4-A
Revised 6/07

1) Date: January 28, 2015
2) Operator's Well Number
608105 (G. Smith #8105)
3) API Well No.: 47 041 - 00117
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 Richard W. Golden
Address 5502 Johnstown Road
Louisville, KY 40272
(b) Name _____
Address _____
(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 Richard W. Golden
5502 Johnstown Road
Address Louisville, KY 40272
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.

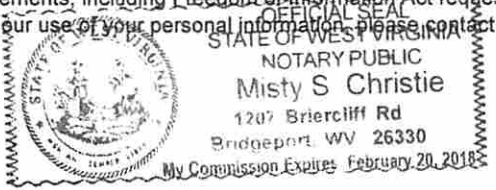
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental 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.



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 29th day of January, 2015
Misty S. Christie Notary Public
My Commission Expires: 2/20/18

EQT Production Company
Victoria J. Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
(304) 848-0076

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.



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4100117P

neopost®
01/29/2015
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Postage	\$	VR	Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage			

Sent To **Richard W. Golden** ✓
5502 Johnstown Road
Louisville, KY 40272
 Street, Apt. No. or PO Box No.
 City, State, ZIP
 #608105

PS Form 3800, August 2006 See Reverse for Instructions

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WV Department of
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Richard W. Golden
5502 Johnstown Road
Louisville, KY 40272

2. Article Number (Transfer from service label)
7014 0150 0001 0654 7580

PS Form 3811, July 2013 Domestic Return Receipt

3. Service Type
 Certified Mail®
 Registered
 Return Receipt for Merchandise
 Insured Mail
 Collect on Delivery

4. Restricted Delivery? (Extra Fee)
 Yes

03/20/2015

4100117P

WW-9
Revised 2/03

Page ____ of ____
2) Operator's Well Number
608105 (G. Smith #8105)
3) API Well No.: 47 041 - 00117

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: Hackers Creek Quadrangle: Berlin
Elevation: 1165 ft. County: Lewis District: Hackers 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.? 40 ml 20 ml.

Proposed Disposal Method for Treated Pit Wastes:
X Land Application
____ Underground Injection - UIC Permit Number _____
____ Reuse (at API Number) _____
____ Offsite Disposal Permit #. _____
____ 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? _____

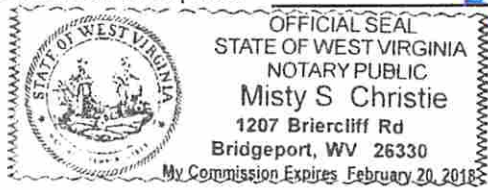
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of 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

Subscribed and sworn before me this 29th day of January, 2014 2015

Misty S. Christie Notary Public
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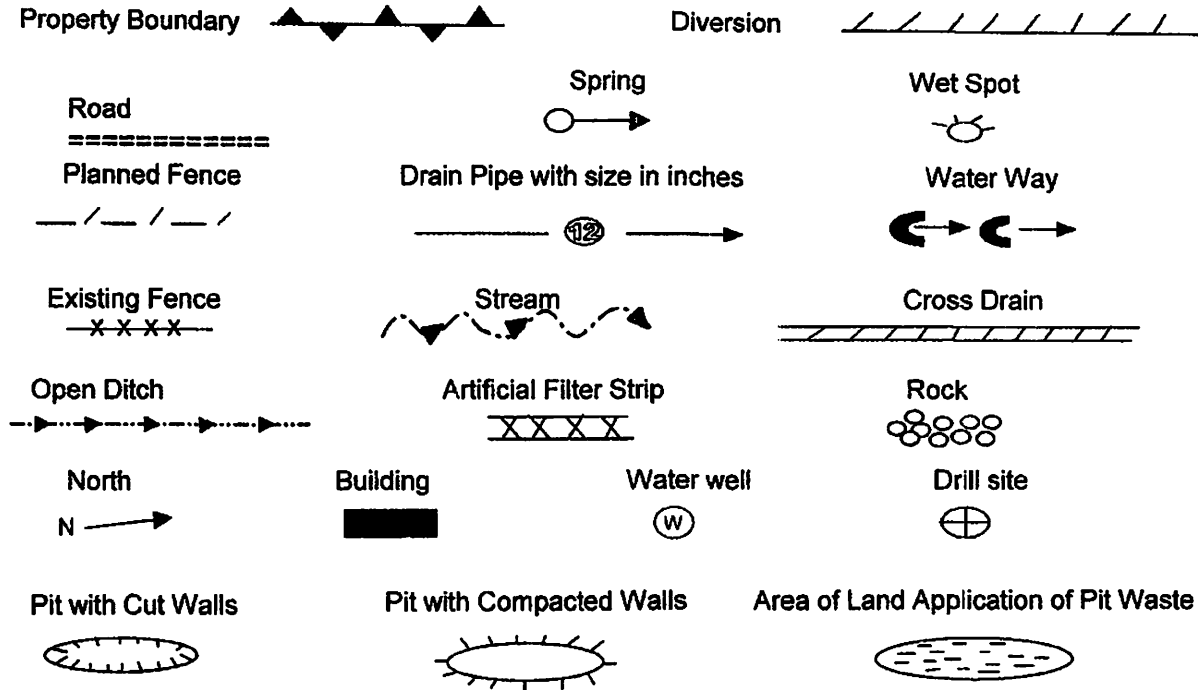
My Commission Expires 2/20/18



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WV Department of Environmental Protection
03/20/2015

OPERATOR'S WELL NO.:
608105 (G. Smith #8105)

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		

ATTACH:

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

Plan approved by: Bang Stitts

Comments: _____

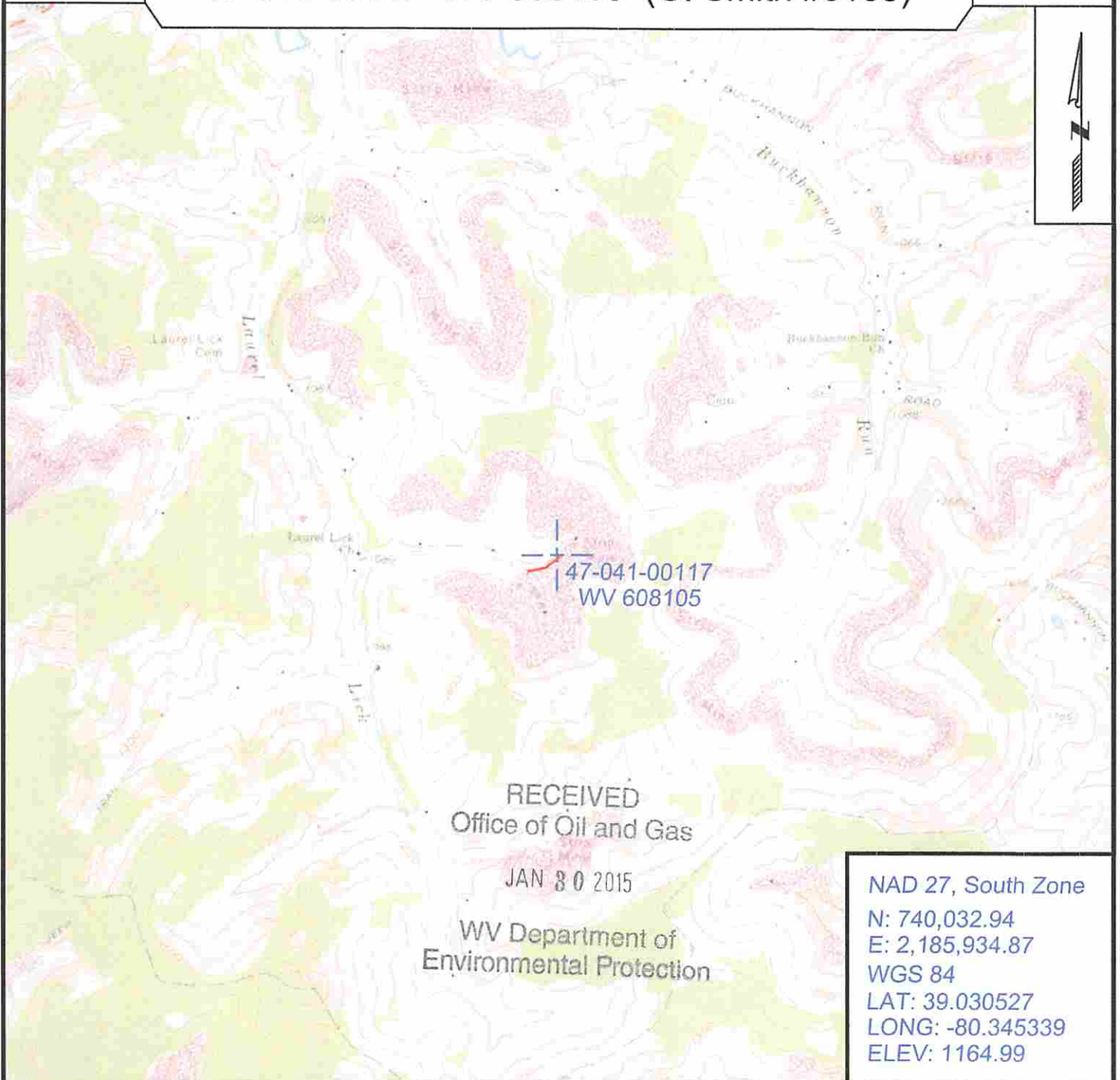
Title: Inspector Date: 2-17-15
 Field Reviewed? Yes No

4100117

Topo Quad: Berlin 7.5' Scale: 1" = 2000'
 County: Lewis Date: November 14, 2014
 District: Hackers Creek Project No: 73-12-00-08

47-041-00117 WV 608105 (G. Smith #8105)

Topo



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NAD 27, South Zone
 N: 740,032.94
 E: 2,185,934.87
 WGS 84
 LAT: 39.030527
 LONG: -80.345339
 ELEV: 1164.99



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

03/20/2015

4100117

WW-7
8-30-06



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

API: 47-041-00117 WELL NO.: WV 608105 (G. Smith #8105)
FARM NAME: Smith
RESPONSIBLE PARTY NAME: EQT Production Company
COUNTY: Lewis DISTRICT: Hackers Creek
QUADRANGLE: Berlin 7.5'
SURFACE OWNER: Richard W. Golden
ROYALTY OWNER: Patty L. Marsh, et al.
UTM GPS NORTHING: 4320368
UTM GPS EASTING: 556664 GPS ELEVATION: 355 m (1165 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

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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.

[Signature]
Signature

PS# 2180
Title

1/23/15
Date

03/20/2015



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. G. Smith #8105 WV 608105 (47-041-00117)

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1000' of the existing well site. The following landowners will be notified of the opportunity to request a water sample.

*Please note that the following information is subject to change upon field inspection.

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 930' +/- Owner: Lora Gabriel
 Address: 367 Swisher Rd., Weston, WV 26452 Phone No. 304-266-6948
 Comments:

Site: 2 Spacing: 903' +/- Owner: Lora Gabriel
 Address: 367 Swisher Rd., Weston, WV 26452 Phone No. 304-266-6948
 Comments:

Site: 3 Spacing: 771' +/- Owner: Lora Gabriel
 Address: 367 Swisher Rd., Weston, WV 26452 Phone No. 304-266-6948
 Comments:

Site: 4 Spacing: 607' +/- Owner: Joshua Surock
 Address: 461 Swisher Rd., Weston, WV 26452 Phone No. 304-269-7548
 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

CALDWELL OFFICE
 212 Cumberland Street
 Caldwell, OH 43724
phone: 740-305-5007
fax: 740-305-5126

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

Site: 5 Spacing: 604' +/- Owner: Joshua Surock
Address: 461 Swisher Rd., Weston, WV 26452 Phone No. 304-269-7548
Comments

Site: 6 Spacing: 593' +/- Owner: Joshua Surock
Address: 461 Swisher Rd., Weston, WV 26452 Phone No. 304-269-7548
Comments

Site: 7 Spacing: 841' +/- Owner: Liz Freda
Address: 478 Swisher Rd., Weston, WV 26452 Phone No. 304-269-1675
Comments

Site: 8 Spacing: 657' +/- Owner: Steve Freda
Address: 468 Swisher Rd., Weston, WV 26452 Phone No. 304-269-7672
Comments

Site: 9 Spacing: 166' +/- Owner: Ricky Golden
Address: 467 Swisher Rd., Weston, WV 26452 Phone No. 304-266-6948
Comments

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