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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

December 28, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-9700327, 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: 8133

Farm Name: REGER, VAN H., ETUX

**API Well Number: 47-9700327**

**Permit Type: Plugging**

Date Issued: 12/28/2015

**Promoting a healthy environment.**

**01/01/2016**

## 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.

### 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.

9700327A

CK 20010  
\$ 100<sup>00</sup>

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

Date: November 10, 2015  
Operator's Well  
Well No. 608133 (Van H. Reger #8133)  
API Well No.: 47 097 - 00327

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: 1574 ft Watershed: Right Fork Bear Run  
Location: Buckhannon County: Upshur Quadrangle: Adrian 7.5'  
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 Bryan Harris  
Name: P. O. Box 157  
Address: Volga, WV 26238

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 Bryan O'Hara Date 11-19-15

## PLUGGING PROGNOSIS

Reger # 8133  
 608133  
 District, Buckhannon  
 Upshur Co. WV  
 API # 47-097-00327  
 BY: R. Green  
 DATE: 11/9/15

**CURRENT STATUS:**

Elevation @ 1570'  
 TD @ 4325'  
 10" csg at 317'  
 8 1/4" csg @ 1052'  
 6 5/8" csg @ 2278', ( set on packer @ 2276')  
 Fresh Water @ 456, 595' @ 676'  
 Coal, @ 456' & 676'  
 Saltwater @ none reported  
 Gas shows @ 456' 670' 1637' 2412' & 3590'

1. Notify State Inspector, Bryan Harris @ 304-553-6087, 48 hrs. prior to commencing operations.
2. TIH check TD.
3. RIH tbg to TD, gel hole from TD to 3700'
4. TOOH tbg to 3700', set 250' C1A cement plug from 3700' to 3450'. (Gas show at 3590')
5. TOOH tbg to 3450', gel hole 3450' to 3000'
6. TOOH tbg to 3000' set 200' C1A cement plug 3000' to 2800', (safety plug).
7. TOOH tbg to 2800' gel hole 2800' to 2500'.
8. TOOH tbg to 2500', set 300' C1A cement plug 2500' to 2200'. (Gas show @ 2412', & 6 5/8" packer). TOOH tbg.
9. Free point 6 5/8" casing, cut casing @ free point, TOOH casing.
10. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
11. TIH tbg to top of casing plug, gel hole from plug to 1700'.
12. TOOH tbg to 1700', set 250' C1A cement plug 1700' to 1450'. (Gas show @ 1637' & elevation @ 1570').
13. TOOH tbg to 1450', gel hole 1450' to 1100'.
14. TOOH tbg to 1100', set 100' C1A cement plug 1100' to 1000'. (8 1/4" casing seat). TOOH tbg.
15. Free point 8 1/4" casing, cut casing at free point, TOOH casing.
16. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
17. Gel hole from top of casing plug to 720'.
18. TOOH tbg to 720', set 100' C1A cement plug, 720' to 620'. (Coal @ 670')
19. TOOH tbg to 620' gel hole 620' to 500'.
20. TOOH tbg to 500', set 250' C1A cement plug 500' to 250'. (Coal & water @ 456', 10" casing seat). TOOH tbg.
21. Free point 10" casing, cut casing @ free point, TOOH casing, Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
22. If unable to free point and cut 10" casing, perforate 10" casing at 200', 150' & 100'
23. Set 250' C1A cement plug 250' to surface.
24. Erect monument wit API#, date plugged.
25. Reclaim location and road to WV-DEP specifications.

APPROVED  
 Office of Oil and Gas  
 NOV 16 2015  
 WV Department of  
 Environmental Protection

01/01/2016

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Ups 327

Crawford Quad.

Company

Address

Farm

Location

Well No.

District

Surface

Mineral

Commenced

Completed

Date shot

Open flow

Volume

Rock Pressure

Water

Pittsburgh & W.Va. Gas Company

Clarksburg, W.Va.

Van H. Rogor & Co. Acres 328

Crawford N/E 2.3

8133 Elev. 1570' VA

Buckhannon Upshur County

Van H. Rogor, E.D. #1

Buckhannon, W.Va.

Same

June 28, 1947

Sept. 26, 1947

9-23-1947 Depth 3583 to 3603

with 130 qts. nitro glycerine

18/10ths W in 1 1/2"

88,000 C.F.

825 lbs. 48 hrs.

456'; 595' 1 1/2 blr. hr.; 676' 1 blr. hr.

Gas WELL  
CASING & TUBING

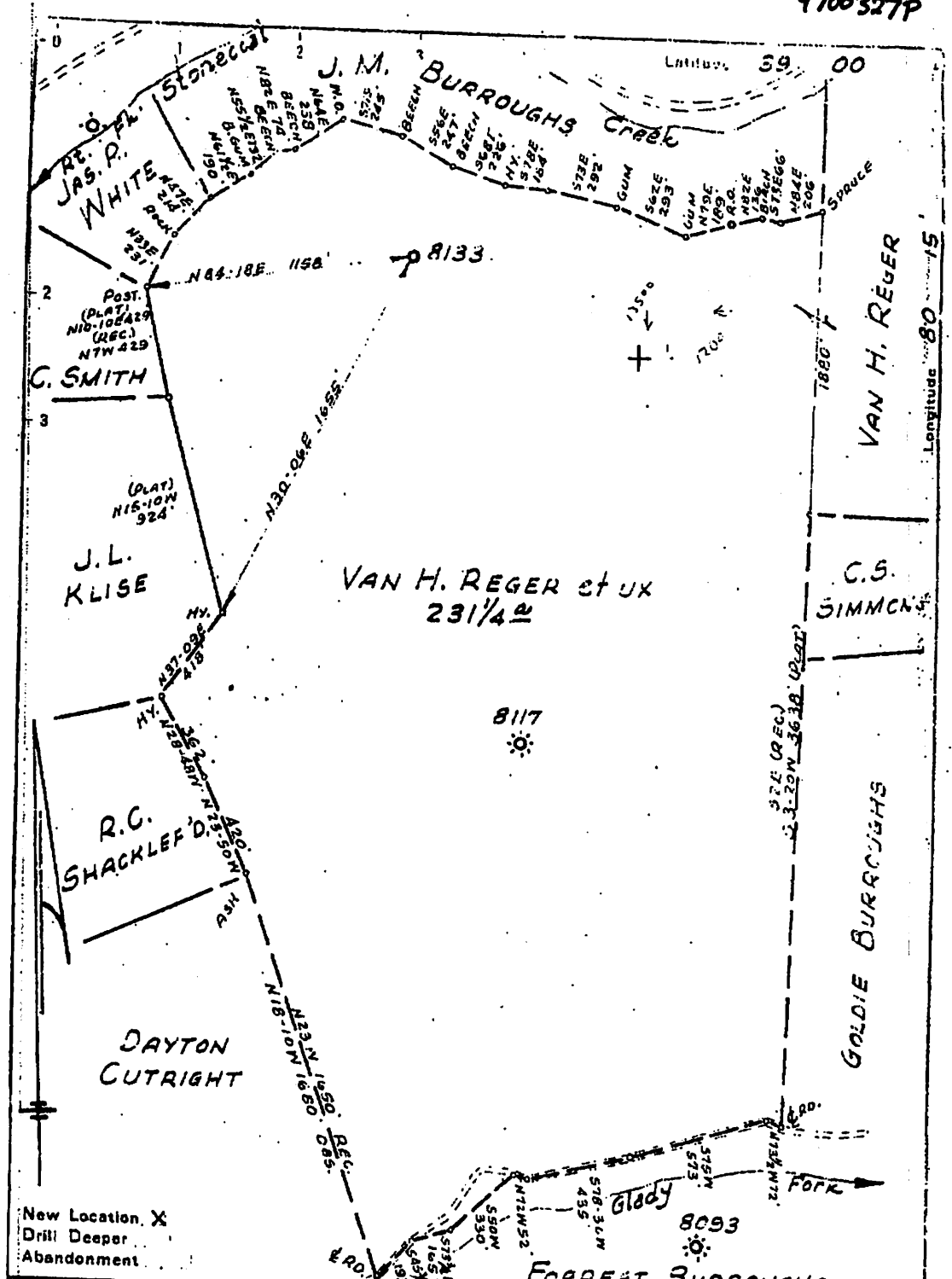
10 317 317  
8 1/2 1052 1052  
6 5/8 2278 2278

Bottom Hole Packer  
Size 8 1/2 x 6 5/8  
Depth 2276'

Coal at 456' 36"  
676' 48"

Clay Red S	O	34	Lime Gr	H	2260	2261
Slate, Shls. R.C.	Wh S&H	34	Red Rock	S	2281	2286
Sand Wh	H	157	Lime Gr	H	2206	2294
R. Rock, Sl. & Shls Wh	S&H	138	Gordon Sand Gr	H	2294	2319
Sand Wh	M	412	Slate & Shells Wh S		2319	2359
Sl. & Shells Wh	S&H	436	4th Sand Wh	H	2359	2430
Coal Bk	S	456	Sl. & Shells, Lime Lt & Dk		2430 S&H	3454
Sl. & Shls Wh	S&H	459	Lime Wh	H	3454	3470
Lime Wh	H	468	Lime Bl	Broken	3470	3531
Sl. & Shells Wh	S&H	533	Balltown Sand Gr	H	3531	3603
U. Freeport Gr	H	585	Slate Dk	S	3603	3609
Sl. Shells Wh	S&H	600	Lime Wh	H	3609	3652
L. Freeport Wh	H	653	Slate & Shells Dk	S&H	3652	3675
Coal Bk	S	676	Lime Wh	H	3675	3690
Sl. Shells Gr	S&H	680	Lime Wh	Broken	3690	3766
Sand Gr	H	697	Slate & Shells Dk	S&H	3766	3807
Sl. & Shells Gr	S&H	750	Lime Wh	H	3807	3839
1st Salt Sand Wh	H	875	Slate & Shells Wh	S&H	3839	3884
Sl. & Shells Gr	S&H	942	Gritty Lime Dk	H	3884	4040
Lime Gr	H	1017	Slate & Shells	S&H	4040	4117
2nd Salt Sand Gr	H	1052	Lime Dk	H	4117	4163
Slate, Shs. Lime Gritty	S&H	1112	Slate & Shells Dk	S&H	4143	4299
Rosedale Gas Sd	Gr H	1220	Benson Sand Dk	Solid	4299	4308
Slate & Shells Gr	S&H	1262	Slate		4308	4313
Rosedale Salt Sd	Gr H	1318	Lime Dk	Solid	4313	4325
Sl. Lime, R. Rock Gr	S&H	1372	Total Depth			4325
Big Lime Wh	H	1617				
Big Injun Gr	H	1718	Sh. Gas & Water	456'		
Red Rock	S	1741	Gas 670-675'	25/10 W 1/2"		
Big Injun Gr	H	1744	Gas 1637'	12/10 M 1 1/2" opng.		
Slate Wh	S	1822	Gas 2412'	9/10 W 1/2" Opng.		
Lime Gr	H	1830	Gas 3590'	32/10 W 1 1/2" Opng.		
Slate Gr	S	1864				
Squaw Sand Gr	H	1867				
Slate & Shells Gr	S&H	1893				
Berea Gr	H	1903				
Slate Gr	S	1955				
Lime Gritty Gr	H	1958				
Berea Gr	H	1970				
Slate & Shells Gr	S&H	1990				
Gantz Sand Gr	H	1998				
Slate Gr	S	2019				
Lime Gr	H	2021				
Slate Gr	S	2056				
50' Sand Gr	H	2058				
Slate Gr	S	2080				
Lime Wh	H	2088				
Red Rock	S	2111				
30' Sand Gr	H&S	2111				
Red Rock	S	2130				
Lime, Slate Gr	S&H	2146				
Red Rock	Red & Gr S&H	2198				
Slate & Shells Gr	S&H	2245				
		2260				

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Office of Oil and Gas  
NOV 16 2015  
WV Department of  
Environmental Protection  
01/01/2016



New Location X  
 Drill Deeper  
 Abandonment

Company	Pittsburgh & W.Va. Gas Co.	
Address	Clarksburg, W.Va.	
Farm	VAN H. REGER et ux	
Tract	Acres 328	Lease No. 22930-1
Well (Farm) No.	3	Serial No. 8133
Elevation (Spirit Level)	1570' VA.	
Quadrangle	Crawford N.E. 23	
County	Upshur	District Buckhannon
Engineer	James H. ...	
Engineer's Registration No.	1634	
File No.	DV-20, P-120	Drawing No.
Date	April 23, 1947	Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. UPS-327

+ Denotes location of well on United States Topographic Maps, scale 1" = 2500, latitude and longitude lines being represented by border lines as shown.

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

RECEIVED  
 NOV 18 1947  
 W.V. Department of Environmental Protection

1) Date: November 10, 2015  
2) Operator's Well Number  
608133 (Van H. Reger #8133)  
3) API Well No.: 47 097 - 00327  
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:	5) (a) Coal Operator:
(a) Name <u>James D. Gandee</u>	Name <u>None</u>
Address <u>P. O. Box 633</u>	Address _____
<u>Charleston, WV 25301</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attachment</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Bryan Harris</u>	(c) Coal Lessee with Declaration
Address <u>P. O. Box 157</u>	Name <u>None</u>
<u>Volga, WV 26238</u>	Address _____
Telephone <u>(304) 553-6087</u>	_____
_____	_____

**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.



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

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

Subscribed and sworn before me this 2nd day of December, 2015  
Misty S. Christie 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](mailto:depprivacyofficer@wv.gov).

WW2-A

**Additional Coal Owners**

EQT Production Company  
EQT Plaza  
625 Liberty Avenue  
Suite 1700  
Pittsburgh, PA 15222

James D. and Ann Gandee ✓  
3482 Gladly Fork Road  
Buckhannon, WV 26201-6601

Luretta Jane Finehart ✓  
RR 1, Box 330 R  
Elkins, WV 26241-9755

Ira M. Reger ✓  
P. O. Box 131  
Adrian, WV 26210-0131

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01/01/2016



**SURFACE OWNER WAIVER**

Operator's Well Number: 608133 (Van H. Reger #8133)

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW 4-A**

The well operator named on page WW4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Division of Environmental Protection  
601 57th Street, SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.**

The law requires these materials to be served on or before

the date the operator files for this Application. You have comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

FIVE (5) DAYS after the filing date to file your

**Comments must be in writing.**

Your comments must include your name, address and telephone number,

the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**List of Water Testing Laboratories.**

The office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For a Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

\_\_\_\_\_  
Signature Date \_\_\_\_\_

Name \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

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WV Department of Environmental Protection  
01/01/2016

Operator's Well Number: 608133 (Van H. Reger #8133)

**INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE**

The well operator named on the attached page WW-4(B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the date on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas


This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on the obverse side of this application

Note: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ of the coal under this well location has examined this proposed plugging work order. The undersigned has not no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

By:  \_\_\_\_\_  
Its: \_\_\_\_\_

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NOV 16 2015  
WV Department of  
Environmental Protection  
01/01/2016

**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: Right Fork Bear Run Quadrangle: Adrian 7.5'  
Elevation: 1574 ft County: Upshur District: Buckhannon

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 20ml

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

*All pits must be lined with a minimum of 20ml thick synthetic liner*

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 12th day of November 2015

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

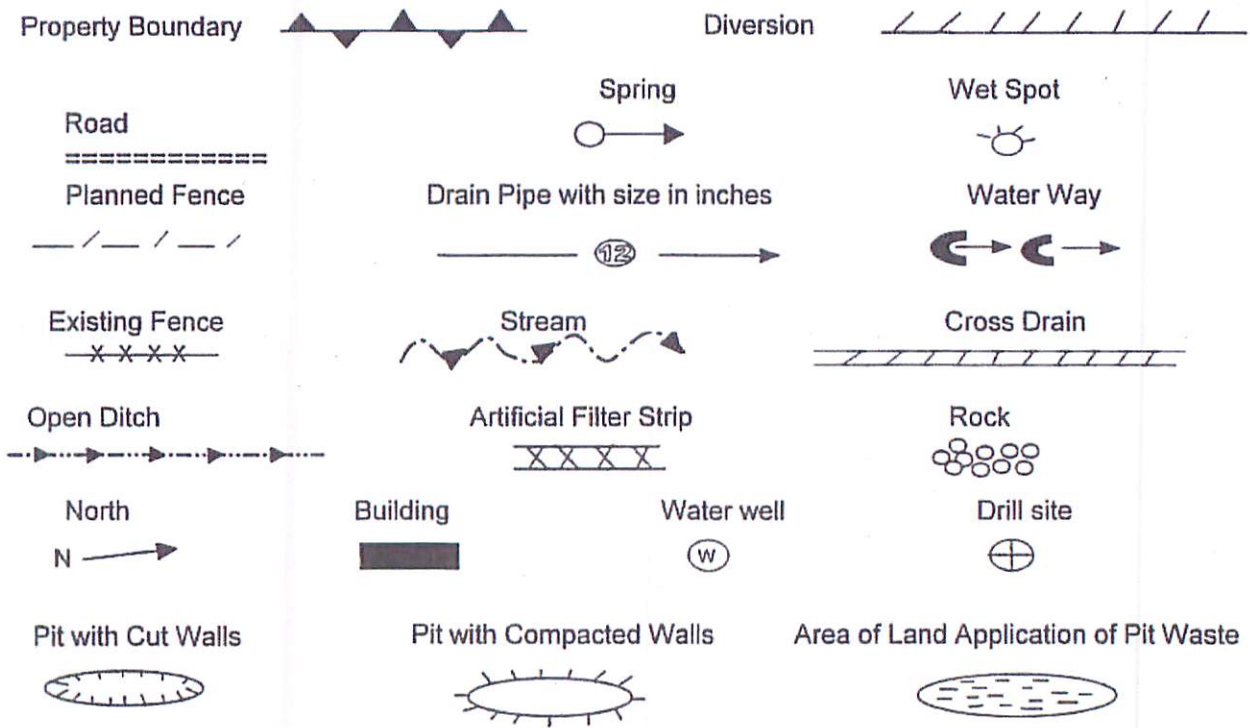
2/20/18

Notary Public

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Office of Oil and Gas  
NOV 16 2015  
WV Department of Environmental Protection  
01/01/2016

OPERATOR'S WELL NO.:  
608133 (Van H. Reger #8133)

**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: *Seamus O'Hara*

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

Title: Inspector Date: 11-19-15  
Field Reviewed? Yes  No

Topo Quad: Adrian 7.5'

Scale: 1" = 2000'

County: Upshur

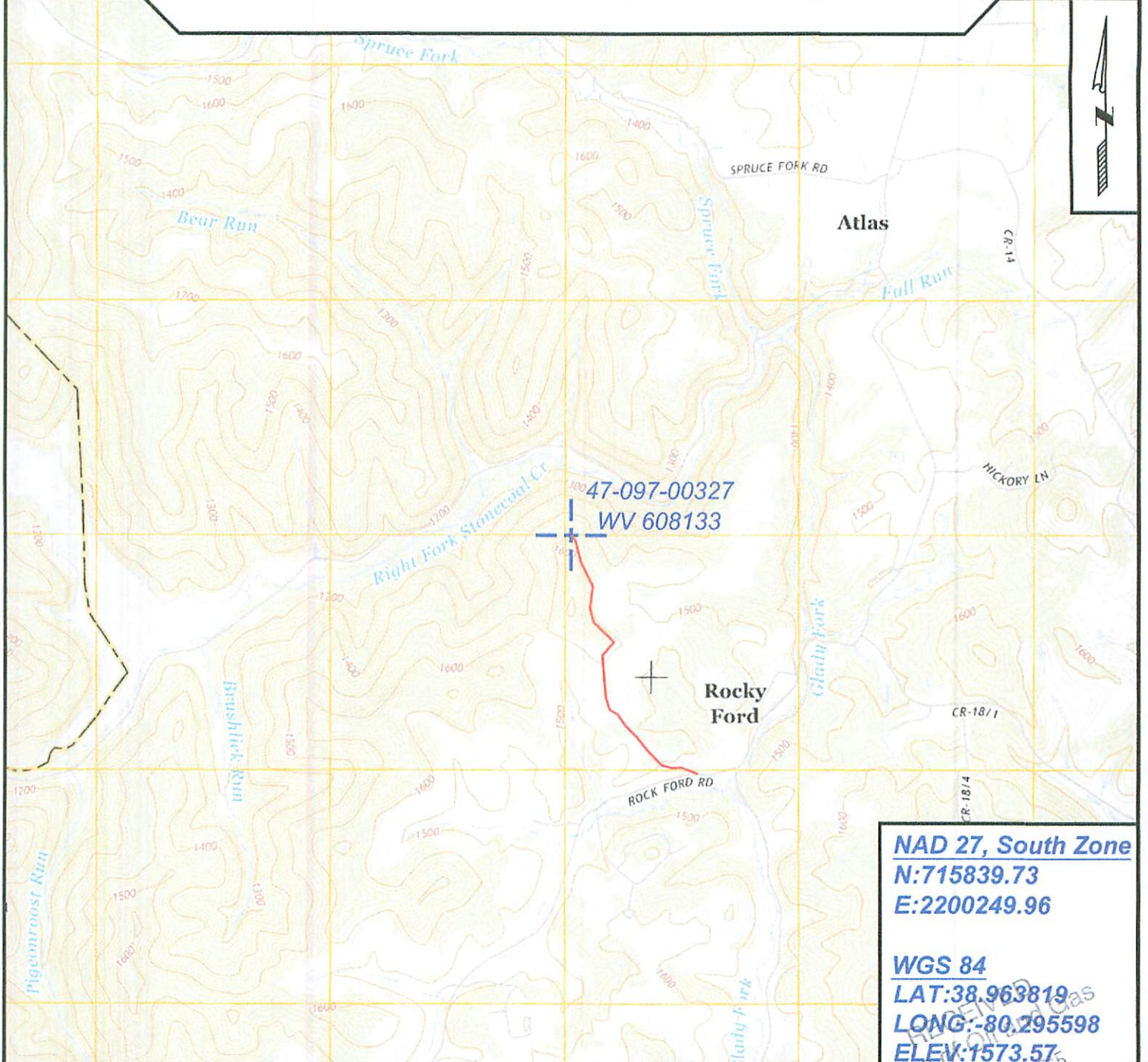
Date: October 29, 2015

District: Buckhannon

Project No: 39-09-00-09

# 47-097-00327 WV 608133 (Van H. Reger #8133)

Topo



**NAD 27, South Zone**  
**N:715839.73**  
**E:2200249.96**

**WGS 84**  
**LAT:38.963819**  
**LONG:-80.295598**  
**ELEV:1573.57**



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

NOV 16 2015  
 WV Department of Environmental Protection  
 01/01/2016

WW-7  
8-30-06



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

API: 47-097-00327 WELL NO.: WV 608133 (Van H. Reger #8133)

FARM NAME: Van H. Reger, et ux.

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Upshur DISTRICT: Buckhannon

QUADRANGLE: Adrian 7.5'

SURFACE OWNER: James D. Gandee

ROYALTY OWNER: EQT Production Company, et al.

UTM GPS NORTHING: 4312997

UTM GPS EASTING: 561027 GPS ELEVATION: 479 m (1574 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 South, 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

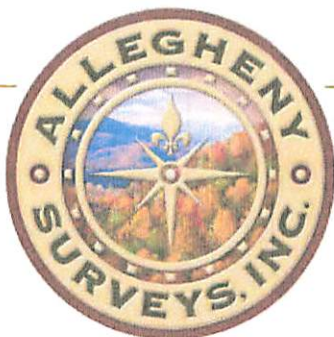
Mapping Grade GPS  : Post Processed Differential   
Real-Time Differential

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.

 PS# 2180  
Signature Title

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Date 11/2/15 NOV 16 2015  
WV Department of  
Environmental Protection  
01/01/2016



## POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
LEASE NAME AND WELL No. Van H. Reger #8133 - WV 608133 - API No. 47-097-00327

### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 608133.

**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

**RANSON OFFICE**

401 South Fairview Blvd, Suite 3  
Ranson, WV 25438  
phone: 304-724-5000  
fax: 304-724-5010

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Environmental Protection  
01/01/2016

Topo Quad: Adrian 7.5' Scale: 1" = 2000'

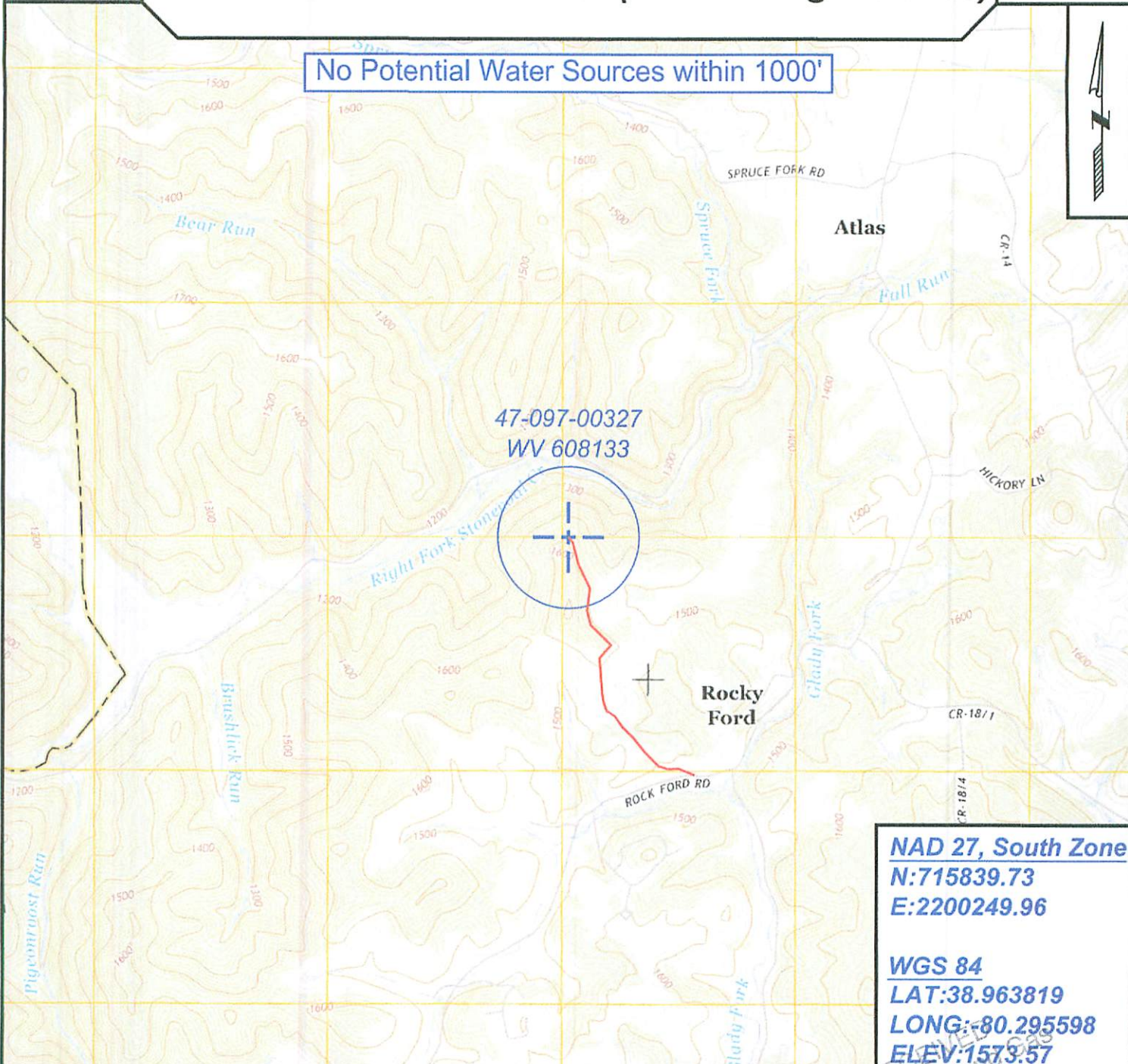
County: Upshur Date: October 29, 2015

District: Buckhannon Project No: 39-09-00-09

Water

# 47-097-00327 WV 608133 (Van H. Reger #8133)

No Potential Water Sources within 1000'



47-097-00327  
WV 608133

**NAD 27, South Zone**  
**N:715839.73**  
**E:2200249.96**

**WGS 84**  
**LAT:38.963819**  
**LONG:-80.295598**  
**ELEV:1573.57**



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

Office of Oil and Gas  
WV Department of Environmental Protection  
01/01/2016