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

May 20, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9700229, 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: 8008
Farm Name: REEDER, A. M.
API Well Number: 47-9700229
Permit Type: Plugging
Date Issued: 05/20/2016

Promoting a healthy environment.

9700229A

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.

9700229P

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

CK # 20945

Date: April 12, 2016
Operator's Well
Well No. 608008 (A.M. Reeder #8008)
API Well No.: 47 097 - 00229

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) Location: Elevation: 1543 ft. Watershed: Buzzard Run
District: Buckhannon County: Upshur Quadrangle: Berlin 7.5'

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: Bryan Harris
Address: P. O. Box 157
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.

RECEIVED
Office of Oil and Gas

MAY 17 2016

WV Department of
Environmental Protection

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'Neal Date 4-20-16

9700229P

PLUGGING PROGNOSIS
Reeder, A.M. #1 (608008)
Upshur Co. WV
District, Buckhannon
API # 47-097-00229

BY: Craig Duckworth
DATE: 11/17/15

CURRENT STATUS:

10" csg @ 307'
8 1/4" csg @ 1070'
6 5/8" csg @ 2580' (packer @ 2564')
5 3/16" csg @ 2958' (packer @ 2956')
Elevation @ 1545'

TD: 4694'

Fresh Water @ 40'& 500' Coal @ none reported
Saltwater @ 1012', 1165'
Gas shows @ 1921', 2660', 2707'-2722', 4664'

1. Notify State Inspector, Brian Harris @ 304-553-6087, 48 hrs. prior to commencing operations.
2. Check TD w/wireline
3. TIH w/tbg to 4694', set 200'C1A cement plug from 4694' to 4494 '. (Gas show @ 4664')
4. TOOH w/tbg to 4494', gel hole 4494' to 3800'
5. TOOH w/tbg to 3800' set 200' C1A cement plug from 3800' to 3500', (safety plug).
6. TOOH w/tbg to 3500' gel hole 3500' to 3008'.
7. TOOH w/tbg to 3008', set 100' C1A cement plug 3008' to 2908'. (5 3/16" csg @ 2958').
8. TOOH w/tbg, Free point 5 3/16" csg, cut csg @ free point, TOOH w/csg.
9. 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.
10. TIH w/tbg to 2908' gel hole from 2908' to 2750'.
11. TOOH w/tbg to 2750', set 250' C1A cement plug 2750' to 2500'. (gas show @ 2707'-2722',gas show @ 2660' & 6 5/8" csg @ 2580).
12. 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
13. TOOH w/tbg to 2500', gel hole 2500' to 1971'.
14. TOOH w/tbg to 1971', set 100' C1A cement plug 1971' to 1871'. (gas show @ 1921').

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15. TOOH w/tbg to 1871', gel hole 1871' to 1595'.
16. TOOH w/tbg to 1595', set 100' C1A cement plug, 1595' to 1495. (elevation @ 1545').
17. TOOH w/tbg to 1495', gel hole 1495' to 1120'
18. TOOH w/tbg to 1120', set 150' C1A cement plug, 1120' to ~~1020~~ 970'. (8 ¼" @ 1070'). SW@ 1012' gas
19. TOOH w/tbg, Free point 8 ¼" csg, cut csg at free point, TOOH w/csg.
20. 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.
21. TIH w/tbg to 970' gel hole from 970' to 600'.
22. TOOH w/tbg to 550', set 100' C1A cement plug, 550' to 450. (FW @ 500')
23. Free point 10" csg, cut casing @ free point, TOOH w/csg.
24. 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
25. TOOH w/tbg to 450', gel hole 450'to 360'.
26. TOOH w/tbg to 360', set 360' C1A cement plug 360' to 0'. (10" csg seat @ 307')
27. Erect monument with API#
28. Reclaim location and road to WV-DEP specifications.

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WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Permit No. Ups 229
Weston S.E. Quad.

Company	Pittsburgh & W. Va. Gas Co.
Address	Clarksburg, W.Va.
Farm	A. M. Reeder et ux Acres 69
Location	Weston S.E. 4-3
Well No	8008 Elev. 1545' VA
District	Buckhannon Upshur County
Surface	A.M. Reeder et ux, R.D. #1 Buckhannon, W.Va.
Mineral	Same
Commenced	April 14,1944
Completed	May 31,1944
Date shot	6-1-44 Depth 2706 to 2722 with 112 qts. Nitro Glycerine
Open flow	30/10ths M in 1 1/2"
Volume	416,000 C.F.
Rock Pressure	1225 lbs. 24 hrs.
Fresh Water	40' 1 blr. hr.: 500' 1/2 Blr. hr.
Salt Water	1012' 1/2 blr. hr.; 1165' 1/2 blr. hr.

Gas Well
CASING & TUBING

10	307	307
8¼	1070	1070
6 5/8	2580	2580

Anchor Packer
Size 8¼ x 6 5/8
Depth 2576'

1-6 5/8" Csg. Shoe
1-8¼ Csg. Shoe

Clay	R	S	0	25	
Slate-Shells	Wh	S-H	25	150	
Lime	Wh	H	150	175	
Slate-Shell	Wh	H-S	175	270	
Red Rock		S	270	470	
Slate-Shells	Wh	H-S	470	490	
Sand	Wh	H	490	510	
Slate	Wh	S	510	630	
Sand	Wh	H	630	675	
Red Rock		S	675	685	
Slate	Wh	S	685	780	
Lime	Wh	H	780	880	
Slate Shells	Wh	S-H	880	994	
Gas Sand	Wh	H	994	1016	
Slate-Shells	Dk	S	1016	1154	
1st Salt Sand	Wh	H	1154	1330	
Slate, Shells	Dk	S-H	1330	1365	
2nd Salt Sand	Wh	H	1365	1536	
Slate-Shells	Dk	H-S	1536	1556	
Red Rock		S	1556	1656	
Maxon Sand	Wh	H	1656	1745	
Slate Shells	Wh	H-S	1745	1775	
Red Rock		S	1775	1800	
Slate Shells	Wh	H-S	1800	1855	
Red Rock		S	1855	1875	
Big Lime	Wh	H	1875	1960	Sh. gas 1921'
Big Injun	Lt	H	1968	2097	
Slate	Wh	S	2097	2100	
Squaw Sand	Bl	H	2100	2180	
Slate	Wh	S	2180	2183	
Berea, 50' & 30' Sd.	Wh	H	2183	2349	
Slate Shells	Wh	H-S	2349	2365	
Red Shells	R	H-S	2365	2460	
Lime, Gritty	Wh	H	2460	2475	
Red Rock		S	2475	2568	
Gordon Sand	Wh	H	2568	2616	
Slate Shell	Wh	H-S	2616	2660	Sh. gas 2660'
5th Sand	Wh	H	2660	2724	Gas 2707-2722'
Slate	Wh	S	2724	2744	
TOTAL DEPTH				2744'	

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WEST VIRGINIA DEPARTMENT OF M
OIL & GAS DIVISION
WELL RECORD

Permit No: Ups 229-D
Weston Quad.

Company	Pittsburgh & W.Va. Gas Company
Address	Clarksburg, W.Va.
Farm	A.M. Reeder et ux Acres 69
Location	Weston S.E 4-3
Well No.	8008 Elev. 1540' L
District	Buckhannon Upshur County
Surface	A.M. Reeder et ux, R.D. #1, Buckhannon, W.Va.
Mineral	Same
Commenced	March 14,1947
Completed	June 6,1947
Date shot	5-29-47 Depth 4661 to 4681 with 90 Qts. Nitro glycerine
Open flow	30/10ths W in 1 1/2"
Volume	114,000 C.F.
Rock Pressure	905 lbs. 24 hrs.

Gas Well
CASING & TUBING

5 3/16	2958	2958

Bottom Hole Packer
Size 6 5/8 x 5 3/16
Depth 2956

DRILLED DEEPER

Began drilling deeper at 2744'

Slate-Shell Wh	H&S	2724	2954	
Lime Wh	H	2954	2990	
Slate Shell Wh	H&S	2990	3150	
Lime Wh	H	3150	3283	
Lime Wh	S	3283	3298	
Slate Shells Wh	H&S	3298	3361	
Lime Wh	H	3361	3475	
Slate-Shells Wh	H&S	3475	3491	
Lime Wh	H	3491	3555	
Slate Shells Wh	H&S	3555	3740	
Lime Wh	H	3740	3774	
Slate-Shells Wh	H&S	3774	3922	
Lime Wh	H	3992	4000	
Slate & Shells Wh	H&S	4000	4050	
Lime Gr	MH	4050	4128	
Slate & Shells Wh	H&S	4128	4256	
Lime Bl	H	4256	4321	
Broken Lime Dk	H&S	4321	4351	
Slate Wh	H&S	4351	4365	
Lime Gr Gritty	H	4365	4388	
Slate Shells Wh	H&S	4388	4465	
Riley Sand Lt	H	4465	4473	
S. & Shells Wh	H&S	4473	4661	
Benson Sand Br	H	4661	4683	Gas 4664' 62/10 W 1" Opng.
S-S Wh	S	4683	4694	
Total Depth			4694	

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APR 13 2006

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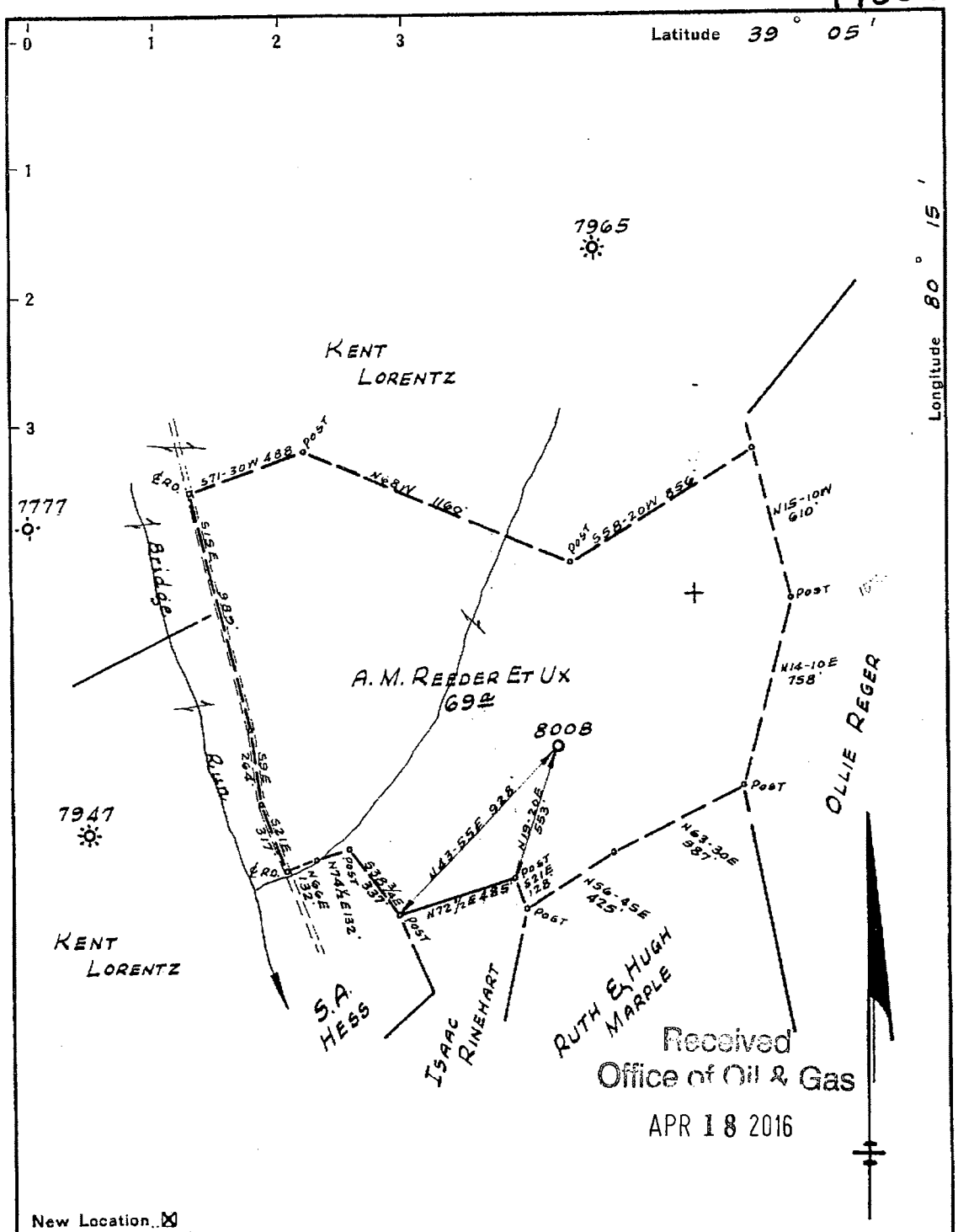

New Location ☒
Drill Deeper ☐
Abandonment ☐

Company PITTSBURGH & W.VA. GAS CO.
Address CLARKSBURG, W.VA.
Farm A. M. REEDER ET UX
Tract _____ Acres 69 Lease No. 22782
Well (Farm) No. ONE Serial No. 8008
Elevation (Spirit Level) 1545' V.A.
Quadrangle WESTON S.E. 4½
County UPSHUR District BUCKHANNON
Engineer James D. Jeffries
Engineer's Registration No. 1084
File No. V-128. P-92. Drawing No. _____
Date MAR. 2, 1944. Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. WPS-229

+ 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.

"IMPERIAL" TRACING CLOTH
K & E CO., N. Y.

97002298

WW-4-A
Revised 6/07

1) Date: April 12, 2016
2) Operator's Well Number
608008 (A.M. Reeder #8008)
3) API Well No.: 47 - 097 - 00229
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: William D. and Geraldine Villers
Address: 562 Bridge Run Road
Buckhannon, WV 26229

(b) Name:
Address:

(c) Name:
Address:

6) Inspector: Bryan Harris
Address: P. O. Box 157
Volga, WV 26238
Telephone: (304) 553-6087

5) (a) Coal Operator:
Name: None
Address:

(b) Coal Owner(s) with Declaration
Name: Neva Lee Snyder
Address: P. O. Box 25
Lorentz, WV 26229

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 14th day of April, 2016
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.

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

Received
Office of Oil & Gas
APR 18 2016

9700229P

WW-9
Revised 2/03

Page _____ of _____
2) Operator's Well Number
608008 (A.M. Reeder #8008)
3) API Well No.: 47 097 - 00229

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: Buzzard Run Quadrangle: Berlin 7.5'
Elevation: 1543 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~~ 20 ml per

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 _____

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WV Department of
Environmental Protection

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 2nd day of May, 2016
Misty S. Christie Notary Public
My Commission Expires 2/20/18

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

97 00229P

OPERATOR'S WELL NO.:
608008 (A.M. Reeder #8008)

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

MAY 17 2016

WV Dep... Environmenta...

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

Plan approved by: Brayan Hess

Comments: _____

Title: Inspector Date: 5-9-16

Field Reviewed? X Yes ____ No

9700229P

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

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Office of Oil and Gas
MAY 05 2016
WV Department of
Environmental Protection

9700229P

EQT

May 4, 2016

Mr. Jeff McLaughlin
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Revision of 47-097-00229

Dear Mr. McLaughlin,

Enclosed is an updated WW-9 for the above API number. The disposal method was updated from Land Application, which now requires a permit, to Reuse and Offsite Disposal. I have sent new pages to the inspectors for their signatures.

If you have any questions, please do not hesitate to contact me at (304) 848-0076.

Sincerely,

Vicki Roark
Permitting Supervisor-WV

Enc.

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MAY 05 2016
WV Department of
Environmental Protection

9700229P

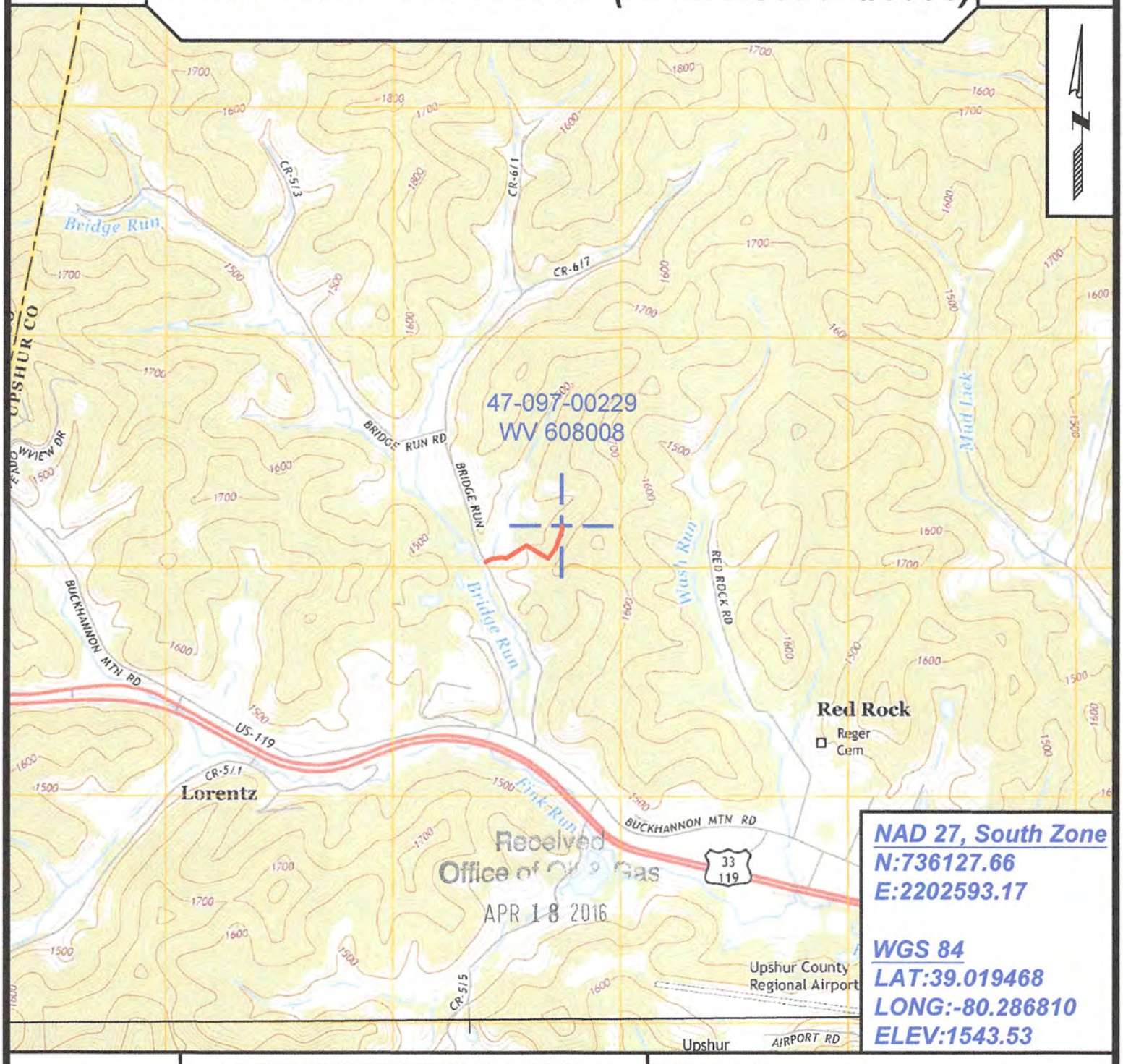
Topo Quad: Berlin 7.5' **Scale:** 1" = 2000'

County: Upshur **Date:** January 21, 2016

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

47-097-00229 WV 608008 (A. M. Reeder #8008)

Topo



Received
Office of Oil & Gas
APR 18 2016

NAD 27, South Zone
N:736127.66
E:2202593.17

WGS 84
LAT:39.019468
LONG:-80.286810
ELEV:1543.53

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

9700229P

POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY.
LEASE NAME AND WELL No. A.M. Reeder #8008 - WV 608008 - API No. 47-097-00229.

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 967 +/- Owner: William D. & Geraldine M. Villers.
Address: 562 Bridge Run Rd. Buckhannon, WV 26201. Phone No. _____.
Comments: Pond.

Site: 2 Spacing: 319 +/- Owner: William D. & Geraldine M. Villers.
Address: 562 Bridge Run Rd. Buckhannon, WV 26201. Phone No. _____.
Comments: Pond.

Site: 3 Spacing: 497 +/- Owner: William D. & Geraldine M. Villers.
Address: 562 Bridge Run Rd. Buckhannon, WV 26201. Phone No. _____.
Comments: Cistern.

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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

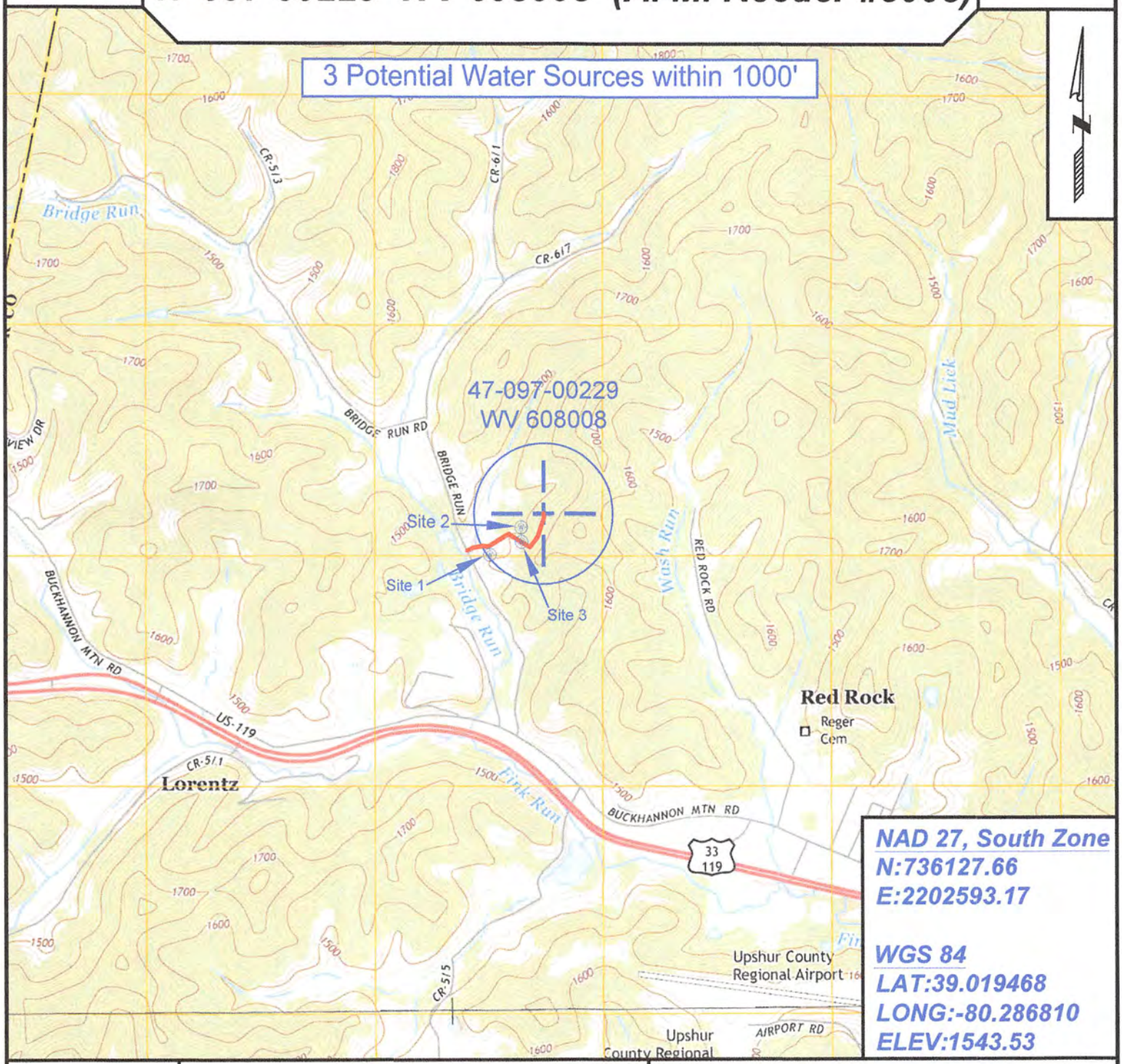
ALLEGHENYSURVEYS.COM

9700229P

Topo Quad:	Berlin 7.5'	**Scale:**	1" = 2000'
County:	Upshur	**Date:**	January 21, 2016
District:	Buckhannon	**Project No:**	39-09-00-09

Water

47-097-00229 WV 608008 (A. M. Reeder #8008)



NAD 27, South Zone
N:736127.66
E:2202593.17

WGS 84
LAT:39.019468
LONG:-80.286810
ELEV:1543.53

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

Received
Office of Oil & Gas
APR 18 2016

9700229P

WW-7
8-30-06

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

API: 47-097-00229 **WELL NO.:** WV 608008 (A. M. Reeder #8008)

FARM NAME: A. M. Reeder

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Upshur **DISTRICT:** Buckhannon -2

QUADRANGLE: Berlin 7.5' -245

SURFACE OWNER: William D. & Geraldine M. Villers

ROYALTY OWNER: Neva Lee Snyder, et al.

UTM GPS NORTHING: 4319179

UTM GPS EASTING: 561740 **GPS ELEVATION:** 470 m (1543 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 _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	Title	Date
Gary O Brown	PS # 2180	1/29/16