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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Jim Justice , Governor  
Austin Caperton , Cabinet Secretary  
www.dep.wv.gov

Friday, July 14, 2017  
WELL WORK PERMIT  
Vertical / Plugging

EQT PRODUCTION COMPANY  
120 PROFESSIONAL PLACE  
BUILDING II  
BRIDGEPORT, WV 26330

Re: Permit approval for 32  
47-045-00438-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

Operator's Well Number: 32  
Farm Name: AMHERST LAND CO.  
U.S. WELL NUMBER: 47-045-00438-00-00  
Vertical / Plugging  
Date Issued: 7/14/2017

Promoting a healthy environment.

07/14/2017

## 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.

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

Date: June 5, 2017  
Operator's Well  
Well No. 023120 (Amherst Land Co. #32)  
API Well No.: 47 045 - 00438

CHK# 22850  
6-6-17  
\$200.00

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: 1063 ft' Watershed: Huff Creek  
Location: Triadelphia County: Logan Quadrangle: Mallory 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 Jeffery L. Smith  
Name: 5369 Big Tyler Road  
Address: Cross Lanes, WV 25313

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.**

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Environmental Protection

OK gwm

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 \_\_\_\_\_

Date \_\_\_\_\_

## PLUGGING PROGNOS

Amherst Land Co. #32  
 023120  
 API# 47-045-00438  
 District, Triadelphia  
 Logan County, WV

BY: R Green  
 DATE: 11/16/16

**CURRENT STATUS:**

**TD @ 2650'**  
**Elevation @1045'**

13 3/8" conductor @ 28'  
 10 3/4" casing @ 936'  
 8 5/8" casing @ 1730'  
 7" casing @ 2320'  
 3 1/2" tubing @ 2650' (Set on 3" X 7" packer @ 2484')

**Fresh Water @ 175', & 980'**  
**Saltwater @ 1050', & 1837'**  
**Oil Show @ None reported**  
**Gas shows @ 2546' & 2610'**  
**Coal @ 359' & 1371'**

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1. Notify inspector, Jeffery L. Smith @ 681-313-6743, 24 hrs. prior to commencing operations.
2. **\*Note, if any casings without cement in the annulus cannot be retrieved, make sure to consult with Inspector, and to perforate all saltwater, freshwater, coal, oil & gas shows, and elevation in the well.**
3. Check TD and attempt to locate 3" X 7" packer.
4. Attempt to release 3 1/2" X 6 5/8" packer, if **unable** to release and TOOHP packer and 3 1/2" tubing, TIH and perforate 3 1/2" tubing below packer with 1 hole each @ 2600', 2550' 2500', pump 20 bbl. of 6% gelled water, followed by a 100' C1A cement plug 2600' to 2500', WOC 8 hrs., Tag TOC add additional C1A cement if necessary.
5. Cut 3 1/2" tbg off @ top of packer 2484', set 200' C1A cement plug 2484' to 2284' (packer seat & 7" casing seat).
6. If **able** to release packer and TOOHP 3 1/2" tubing and packer. TIH pump 20 bbl. of 6% gelled water, then set a 400' C1A cement plug 2600' to 2200'. (Gas shows & 7" casing seat.)
7. Free point 7" casing, cut casing @ free point, TOOHP 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. Gel hole to next plug.
8. TOOHP to 1880', set 200' C1A cement plug 1880' to 1680'. (8 5/8" casing seat & coal) gel hole to next plug.
9. Free point 8 5/8" casing, cut casing @ free point. TOOHP 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. TOOHP to 1450', set 150' C1A cement plug, 1450' to 1300'. (Coal @ 1373'). Gel hole to next plug.

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12. TOOH to 1100', set 250' C1A cement plug 1100' to 850'. (Coal @ 1050', elevation @ 1045', water @ 980', & 10 3/4" casing seat). Gel hole to next plug.
13. Free point and cut 10 3/4" casing, TOOH casing.
14. 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. Gel hole to next plug.
15. TOOH to 400', set 400' C1A cement plug 400' to surface.
16. \* Note. If unable to cut and pull 10 3/4" casing, TIH and perforate 10 3/4" casing with 3 holes each @ 800', 700', 600', 500', 360', 275', 175', & 100'. (Coal, & water)
17. TIH set 800' C1A cement plug 800' to surface.
18. Erect monument with API#, date plugged, company name, and company 6-digit ID#.
19. Reclaim location and road to WV-DEP specifications.

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Geol. Dept.  
Map Posting  
Date  
Enclosure No. 10/12/55



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 6

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4500438P  
SEP 26 1955

UNITED CARBON CO.  
GEOLOGICAL DEPT.

15 Gilbert

WELL RECORD

Permit No. IOG-438-R Oil or Gas Well Gas  
(KIND)

Company United Producing Company, Inc.  
Address Box 1913, Charleston 27, W. Va.  
Farm Amherst Land Company Acres 11,000  
Location (waters) Huff Creek  
Well No. 32 (2312) Elev. 1045.53 DF  
District Triadelphia County Logan  
The surface of tract is owned in fee by Amherst Land Company  
Box 433 Address Charleston 22, W. Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling commenced April 28, 1955  
Drilling completed August 14, 1955  
Acidized 8-19-55 From \_\_\_\_\_ To \_\_\_\_\_  
Date Spent \_\_\_\_\_  
With 1000 gals. XX Acid  
Open Flow 9 /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 285,000 Cu. Ft.  
Rock Pressure 720 lbs. 18 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ 175 feet \_\_\_\_\_ 980 feet  
Salt water \_\_\_\_\_ 1050 feet \_\_\_\_\_ 1837 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			10 3/4" bottom hole packer set at 936'
16			Kind of Packer
13 3/8"	28'	28'	Comb. Well & anchor
10 3/4"	936'	936'	Size of 3 1/2" X 7"
8 5/8"	1730'	1730'	
6 3/4" OD	2320'	2320'	Depth set 2404'
5 3/16"			
8 1/2"	2650'	2650'	Perf. top 2627'
2			Perf. bottom 2650'
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8 5/8" SIZE No. Ft. 7-8-55 Date  
7" aquagelled 7-30-55

COAL WAS ENCOUNTERED AT 359 FEET 24 INCHES  
1371 FEET 24 INCHES FEET INCHES  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	28			
Sand			28	75			
Slate			75	115			
Sand			115	140			
Slate			140	162			
Sand			162	175			
Lime			175	189	Water	175'	Hole full
Sand			189	200			
Slate			200	359			
Coal			359	361			
Lime Shell			361	368			
Sand			368	418			
Slate			418	458			
Sand			458	541			
Slate			541	579			
Sand			579	679			
Slate			679	688			
Sand			688	700			
Lime			700	759			
Sand			759	774			
Slate			774	785			
Lime			785	795			
Sand			795	984	Water	980'	2 blrx. 24 hrs.
Slate			984	988			
Sand			988	1371	Water	1050'	Hole full
Coal			1371	1373			
Lime			1373	1395			
Sand			1395	1460			
Slate			1460	1473			
Sand			1473	1485			
Slate			1485	1500			
Lime Shells			1500	1535			
Sand			1535	1604			
Slate			1604	1706			
Sand			1706	1850	Water	1837'	2 blrs. 3 hrs.
Lime			1850	1878			
Red Rock			1878	1900			
Slate & Shells			1900	1914			
Marion Sand			1914	1978			
Lime			1978	1985			



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LOG-438

Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			1985	1995			
Lime			1995	2005			
Sand			2005	2025			
Red Rock			2025	2063			
Slate & Shells			2063	2115			
Red Rock			2115	2150			
Sand			2150	2184			
Slate			2184	2225			
Little Lime			2225	2265			
Big Lime			2265	2625	Gas	2516-2563'	6/10W 2" 103MG
Injun Sand			2625		Gas	2610-2619'	18/10W2" 179M
TOTAL DEPTH				2650'			

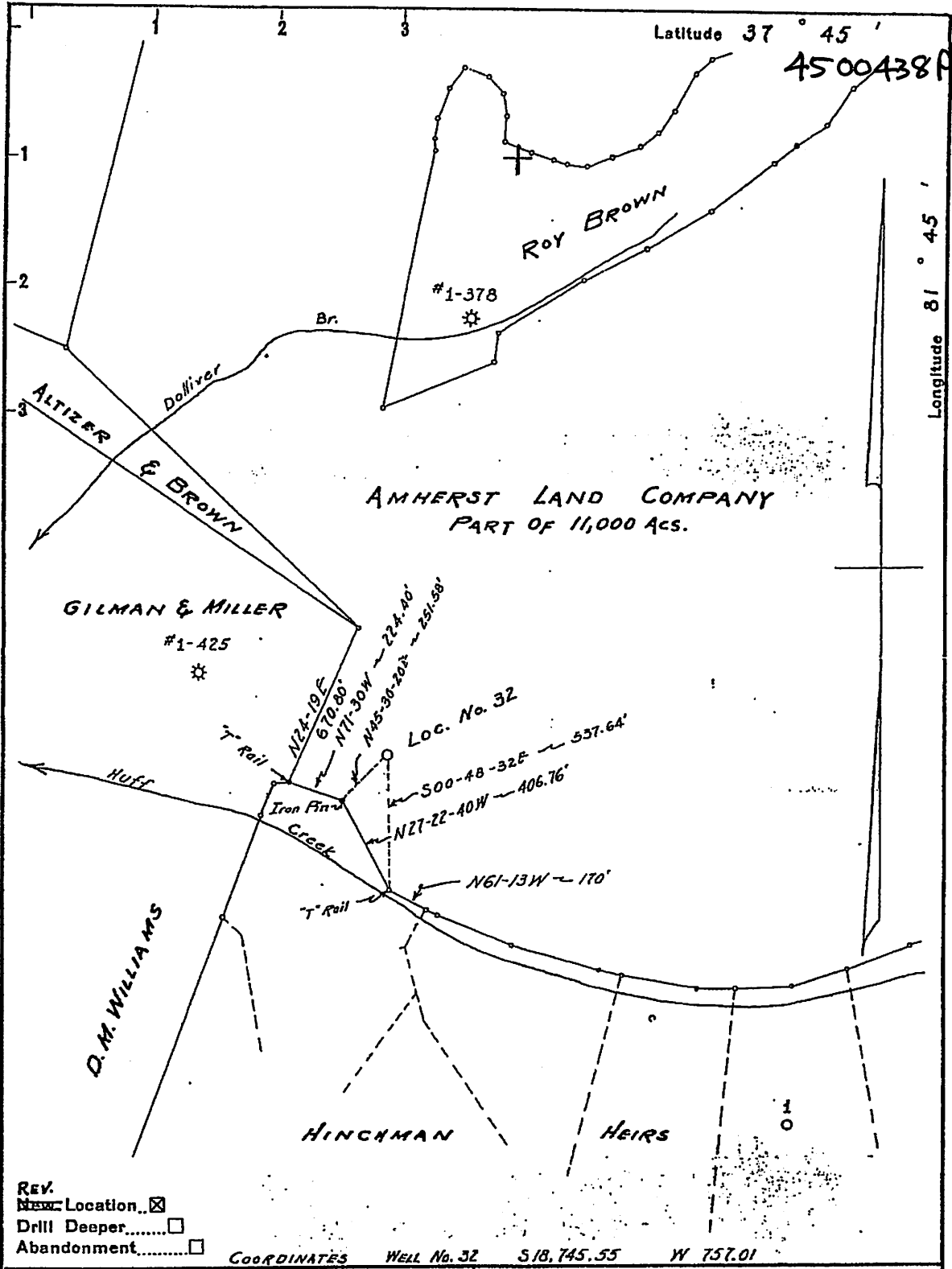
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Date September 8 19 55

APPROVED UNITED PRODUCING COMPANY 07/14/2017



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Company UNITED PRODUCING Co., INC.  
 Address CHARLESTON, W. VA.  
 Farm AMHERST LAND COMPANY  
 Tract \_\_\_\_\_ Acres 11,000 Lease No. 6457  
 Well (Farm) No. 32 Serial No. 2312  
 Elevation (Spirit Level) 1038.53 = GR.  
 Quadrangle GILBERT  
 County LOGAN District TRIADDELPHIA  
 Engineer A. H. Sharp  
 Engineer's Registration No. Ky. 2429  
 File No. 1-A Drawing No. \_\_\_\_\_  
 Date 2-8-55 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. LOG-438-REVISED

+ 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.

07/14/2017



WW-4-A  
Revised 6/07

JUN 9 2017

WV Department of  
Environmental Protection

- 1) Date: June 5, 2017
- 2) Operator's Well Number  
023120 (Amherst Land Co. #32)
- 3) API Well No.: 47 045 - 00438  
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 Attention: Ed Brown  
Address Blackhawk Land & Resources, LLC  
3228 Summit Square Place, Suite 180  
Lexington, KY 40509

(b) Name Debbie Denise Reese  
Address 39910 Huff Creek Highway  
Davin, WV 25617-8513

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Jeffery L. Smith  
Address 5369 Big Tyler Road  
Cross Lanes, WV 25313  
Telephone (681) 313-6743

5) (a) Coal Operator:  
Name Attention: Ed Brown  
Address Blackhawk Land & Resources, LLC  
3228 Summit Square Place, Suite 180  
Lexington, KY 40509

(b) Coal Owner(s) with Declaration  
Name Attention: Ed Brown  
Address Blackhawk Land & Resources, LLC  
3228 Summit Square Place, Suite 180  
Lexington, KY 40509

(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
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.

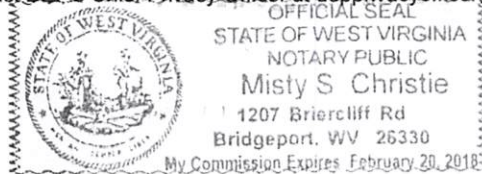
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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 17th day of June, 2017  
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).



07/14/2017

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**OFFICE OF OIL & GAS**  
FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

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Operator Name: EQT PRODUCTION COMPANY OP CODE: \_\_\_\_\_

Watershed (HUC 10): Huff Creek Quadrangle: Mallory 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_ No X

Will a pit be used? Yes X No \_\_\_

If so, please describe anticipated pit waste: Formation Fluids

Will a synthetic liner be used in the pit? Yes X No \_\_\_ Is so, what ml.? 20 -10 ml

- Proposed Disposal Method for Treated Pit Wastes:
- \_\_\_\_\_ Land Application (if selected provide a completed form WW-9-GPP)
  - \_\_\_\_\_ Underground Injection (UIC Permit Number \_\_\_\_\_)
  - X Reuse (at API Number -- Various \_\_\_\_\_)
  - X Off Site Disposal Permit (Supply form WW-9 for disposal location. See attachment)
  - \_\_\_\_\_ Other: (Explain \_\_\_\_\_)

Will closed loop system be used ? If so, describe: \_\_\_\_\_

Drilling medium anticipated for this well? (vertical and horizontal)? Air, freshwater, oil based, etc. \_\_\_\_\_

If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used in drilling medium? \_\_\_\_\_

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? \_\_\_\_\_

Permittee shall provide written notice to the Office of the Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 term 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

Company Official Signature \_\_\_\_\_

Company Official (Typed Name) Victoria J. Roark

Company Official Title Permitting Supervisor - WV

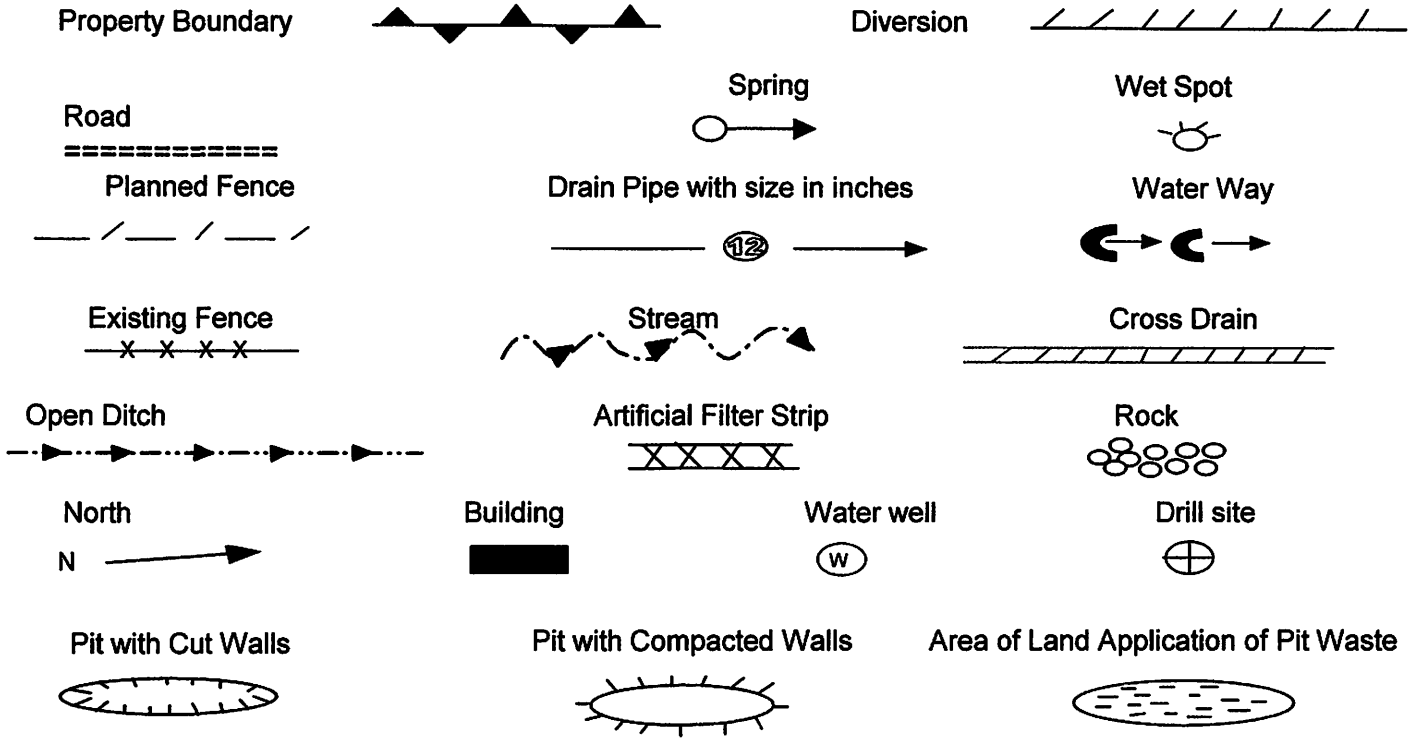
Subscribed and sworn before me this 7th day of June, 2017

My Commission Expires 2/20/18

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

07/14/2017

**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
Red Fescue	40
Alsike Clover	5
Annual Rye	15

Seed Type	lbs/acre
Red Fescue	15
Alsike Clover	5

**ATTACH:**

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

Plan approved by: \_\_\_\_\_

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

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

Field Reviewed?          Yes          No

4500438P

**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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Topo Quad: Mallory 7.5'

Scale: 1" = 200'

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County: Logan

Date: May 17, 2017

JUN 9 2017

District: Triadelphia

Project No: 21-21-00-08

WV Department of  
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47-045-00438 WV 023120 (Amherst Land Co. #32)

Topo

Pit Location Map



47-045-00438  
WV 023120



Existing Access Road

10

Legend

PIT-CUT WALLS



PIT-COMPACTED WALLS



AREA OF LAND APPLICATION  
OF PIT WASTE



NO LAND APPLICATION

NAD 27, South Zone  
N:267643.61  
E:1765905.70

WGS 84  
LAT:37.732332  
LONG:-81.809296  
ELEV:1063.12'



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

07/14/2017

Topo Quad: Mallory 7.5'

Scale: 1" = 500'

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County: Logan

Date: May 17, 2017

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District: Triadelphia

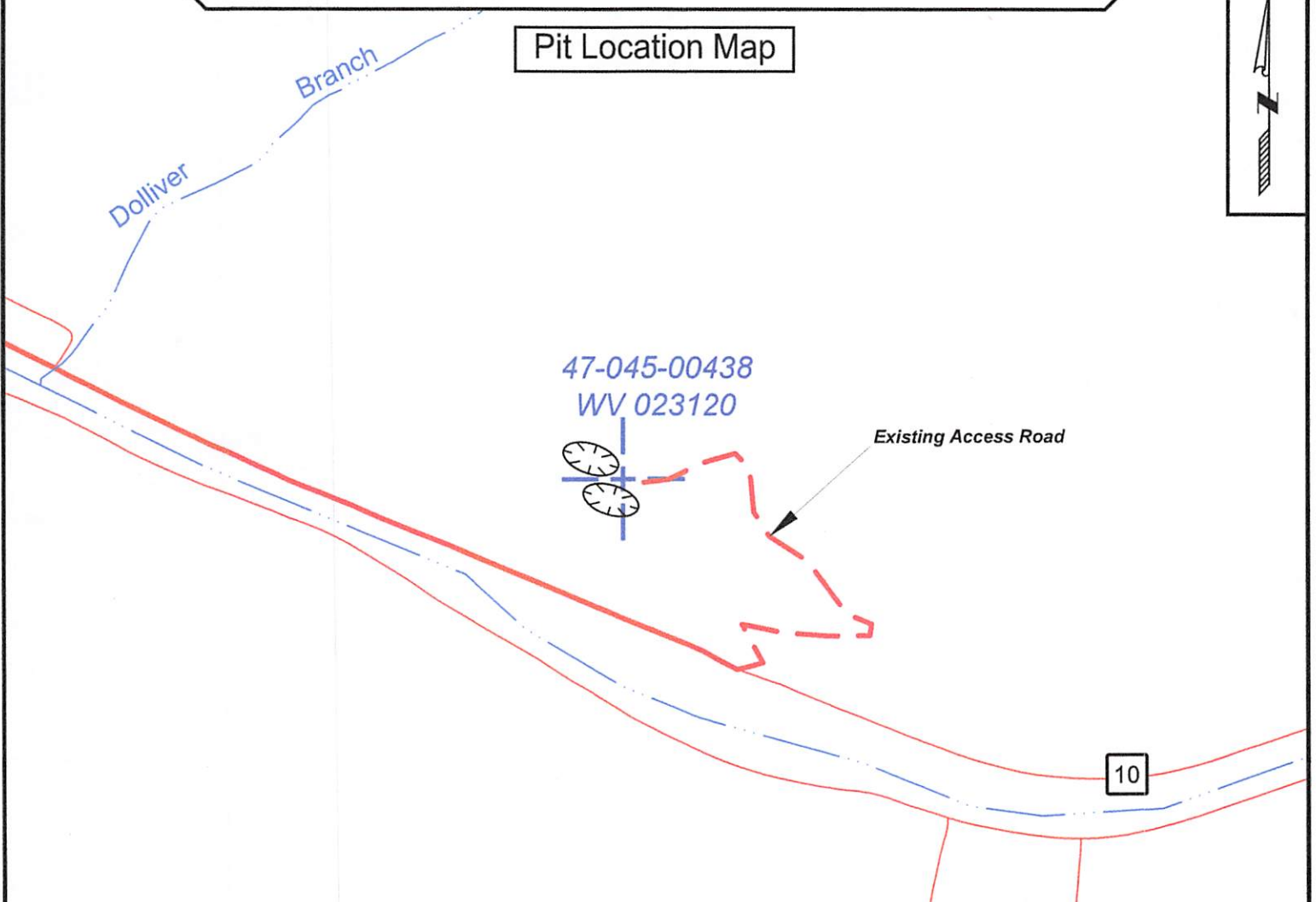
Project No: 21-21-00-08

WV Department of  
Environmental Protection

Highway

**47-045-00438 WV 023120 (Amherst Land Co. #32)**

Pit Location Map



Legend

- PIT-CUT WALLS
- PIT-COMPACTED WALLS
- AREA OF LAND APPLICATION OF PIT WASTE

NO LAND APPLICATION

NAD 27, South Zone  
N:267643.61  
E:1765905.70

WGS 84  
LAT:37.732332  
LONG:-81.809296  
ELEV:1063.12'



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

07/14/2017

45 00438 P

Topo Quad: Mallory 7.5'

Scale: 1" = 2000'

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Office of Oil and Gas

County: Logan

Date: May 17, 2017

JUN 9 2017

District: Triadelphia

Project No: 21-21-00-08

WV Department of  
Environmental Protection

**47-045-00438 WV 023120 (Amherst Land Co. #32)**

Topo



47-045-00438  
WV 023120

**NAD 27, South Zone**  
**N:267643.61**  
**E:1765905.70**

**WGS 84**  
**LAT:37.732332**  
**LONG:-81.809296**  
**ELEV:1063.12'**



**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

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## POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
LEASE NAME AND WELL No. Amherst Land Co. #32 WV 023120 47-045-00438

### POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 800 +/- Owner: Debbie Reese  
Address: 3991 Huff Creek Hwy, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: \_\_\_\_\_

Site: 2 Spacing: 950 +/- Owner: SR Trust / Rick Mitzi Trustee  
Address: 4016 Huff Creek Hwy, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Unable to Contact – Waiting Return of Water Notification left at Residence

Site: 3 Spacing: 610 +/- Owner: Harold Thompson  
Address: 3914 Huff Creek Hwy, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Water well under house

Site: 4 Spacing: 550 +/- Owner: Harold Thompson Jr.  
Address: 3874 Huff Creek Hwy, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Uses water from Site 5 well

Site: 5 Spacing: 520 +/- Owner: Harold G. Thompson  
Address: 3848 Huff Creek Hwy, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Water well behind house by pool

Site: 6 Spacing: 750 +/- Owner: Jamie Booth  
Address: 878 Autumn Lane, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Unable to Contact – Waiting Return of Water Notification left at Residence

#### 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



Site: 7 Spacing: 715 +/- Owner: David A. Trent  
Address: PO Box 338, Davin WV 25617 Phone No. \_\_\_\_\_  
Comments: Unoccupied

Site: 8 Spacing: 740 +/- Owner: David A. Trent  
Address: PO Box 338, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Unable to Contact – Waiting Return of Water Notification left at Residence

Site: 9 Spacing: 870 +/- Owner: Keith Conley  
Address: 782 Autumn Lane, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Unable to Contact – Waiting Return of Water Notification left at Residence

Site: 10 Spacing: 715 +/- Owner: Glory Harvey  
Address: PO Box 192, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Unable to Contact – Waiting Return of Water Notification left at Residence

Site: 11 Spacing: 860 +/- Owner: Donnie Grimmatt  
Address: 4574 St Rt 775, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Unable to Contact – Waiting Return of Water Notification left at Residence

Site: 12 Spacing: 715 +/- Owner: Oliver Jackson / First American Real Estate Tax Service  
Address: 1 First American Way, Westlake, TX 76262 Phone No. \_\_\_\_\_  
Comments: Unable to Contact – Waiting Return of Water Notification left at Residence

Site: 13 Spacing: 900 +/- Owner: Posey Perry  
Address: PO Box 361, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Unable to Contact – Waiting Return of Water Notification left at Residence

Site: 14 Spacing: 990 +/- Owner: Bruce Belcher  
Address: PO Box 145, 706 Autumn Lane, Davin, WV 25617 Phone No. \_\_\_\_\_  
Comments: Received letter – Requested testing

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Office of Oil and Gas

JUN 9 2017

WV Department of  
Environmental Protection

Topo Quad: Mallory 7.5'

Scale: 1" = 2000'

RECEIVED  
Office of Oil and Gas

County: Logan

Date: May 17, 2017

JUN 9 2017

District: Triadelphia

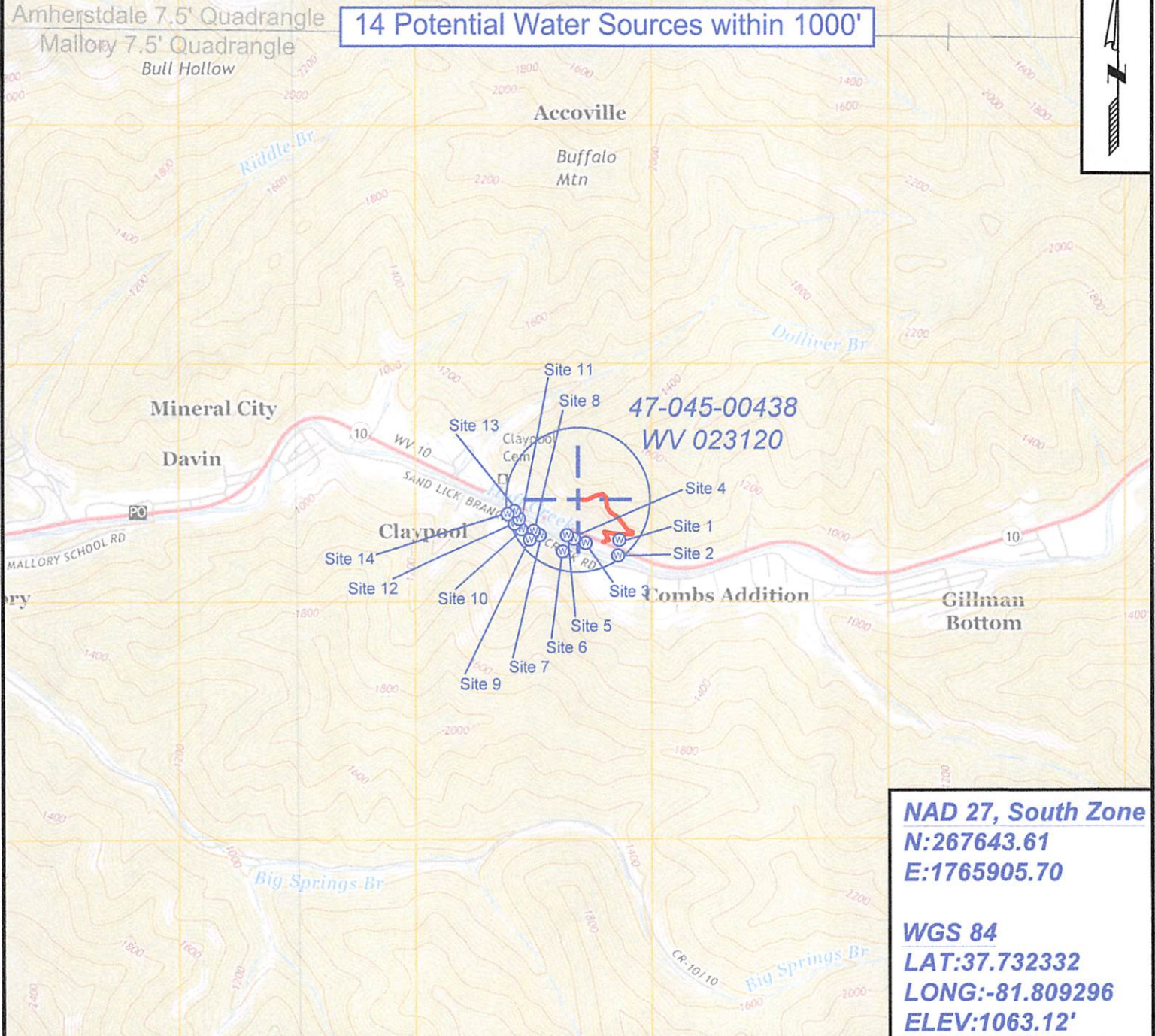
Project No: 21-21-00-08

WV Department of  
Environmental Protection

Water

# 47-045-00438 WV 023120 (Amherst Land Co. #32)

14 Potential Water Sources within 1000'



**NAD 27, South Zone**  
N:267643.61  
E:1765905.70

**WGS 84**  
LAT:37.732332  
LONG:-81.809296  
ELEV:1063.12'



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

07/14/2017

WW-7  
8-30-06



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

API: 47-045-00438 WELL NO.: WV 023120 (Amherst Land Co. #32)

FARM NAME: Amherst Land Company

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Logan DISTRICT: Triadelphia

RECEIVED  
Office of Oil and Gas

QUADRANGLE: Mallory 7.5'

JUN 9 2017

SURFACE OWNER: Blackhawk Land & Resources, LLC

WV Department of  
Environmental Protection

ROYALTY OWNER: EQT Production Company, et al.

UTM GPS NORTHING: 4176426

UTM GPS EASTING: 428688 GPS ELEVATION: 324m (1063ft)

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

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

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

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

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

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

[Signature]  
Signature

PS # 2180  
Title

5/24/17  
Date