



west virginia department of environmental protection

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

Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Tuesday, February 13, 2018
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 570
47-061-00415-00-00

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: 570
Farm Name: STEPHENS, GRANT
U.S. WELL NUMBER: 47-061-00415-00-00
Vertical / Plugging
Date Issued: 2/13/2018

Promoting a healthy environment.

02/16/2018

F

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.

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

Date: November 9, 2017
Operator's Well
Well No. 651636 (Stephens #570)
API Well No.: 47 061 - 00415

OK # 21606
11-14-17
\$1000⁰⁰

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: 1034 ft. Watershed: Long Drain Run
Location: Clay County: Monongalia Quadrangle: Blacksville 7.5'
District:

6) Well Operator EQT Production Company 7) Designated Agent: Rex C. Ray
Address: 120 Professional Place Address: 120 Professional Place
Bridgeport, WV 26330 Bridgeport, WV 26330

8) Oil & Gas Gayne J. Knitowski 9) Plugging Contractor:
Name: P. O. Box 108 Name: HydroCarbon Well Service
Address: Gormanian, WV 26720 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 *Gayne J. Knitowski*

RECEIVED
Office of Oil and Gas
Date 11/29/2017

DEC 10 2017

WV Department of
Environmental Protection

PLUGGING PROGNOS

651636

Grant Stephenson #570

API# 47-061-00415

District, Clay

Monongalia County, WV

BY: R Green

DATE: 01/25/17

CURRENT STATUS:

TD @ 2963'

Elevation @ 1033'

10" casing @ 617' (Pulled)

8 1/4" casing @ 1400'

6 5/8" casing @ 1786'

5 3/16" casing @ 2006'

2" tubing @ 2963' (Set on 2" X 5 3/16" packer @ 2821')

Fresh Water @ None reported

Saltwater @ 1430'

Oil Show @ 1953' to 1957' (Big Injun)

Gas shows @ 715', 1252', 1953', & 2925'

Coal @ 505' to 571', & 588' to 598'

1. Notify inspector, Gayne Knitowski, @ 304-546-8171, 24 hrs. prior to commencing operations.
2. Release packer and TOOH tubing and packer.
3. Check TD @ or below 2900'.
4. Spot 20 bbl. of 6% gelled water, followed by a 300' C1A cement plug. 2900' to 2600' (Bayard Sand & 5th Sand). WOC 8 hrs. TAG TOC, add additional C1A cement if necessary.
5. TOOH to 2300' set a 400' C1A cement plug 2300' to 1900'. (5 3/16" casing seat).
6. Free point 5 3/16" casing, cut casing @ free point. TOOH casing. /
7. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
8. TOOH to 1800' set 200' C1A cement plug 1800' to 1600'. (6 5/8" casing seat).
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 saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
11. TOOH to 1450', set 200' C1A cement plug, 1450' to 1250'.
12. TOOH to 1100' set 600' C1A cement plug 1100' to 500'. (Elevation, & 10" casing seat).
13. TOOH to 250', set 250' C1A cement to surface.
14. Erect monument with API#, date plugged, company name, and company 6-digit ID#.
15. Reclaim location and road to WV-DEP specifications.

RECEIVED
Office of Oil and Gas

DEC 10 2017

WV Department of
Environmental Protection

MJK
11/29/2017 16. All casing must be pulled or an attempt to pull casing at 1 1/2 times string weight.

CARNEGIE NATURAL GAS COMPANY

Map Sheet No. _____ Drilled on _____ Farm of _____ Well No. 520
 Shipping Point _____ Township District _____ County _____ Lease No. _____
 RIG _____ Foreman _____ WELL _____
 Located _____ Commenced Drilling _____
 Notified Gen'l Office _____ Notified Gen'l Office _____
 Commenced _____ Completed Drilling _____
 Completed _____ Notified Gen'l Office _____
 Contractor _____ Contractor _____
 Address _____ Address _____

FORMATION	TOP	BOTTOM	REMARKS	PRESSURE AND VOLUME
Conductor				1/2 Minute <u>22</u> Lbs.
Mapleton Coal				1 " <u>10</u> "
Futslough Coal				2 " <u>20</u> "
Little Dunkard				3 " <u>30</u> "
Big Dunkard				4 " <u>40</u> "
Gas Sand				5 " <u>50</u> "
1st Salt Sand				10 " "
2nd Salt Sand				15 " "
Maxlow Sand				30 " "
Little Lime				1 Hour "
Forest Cave				Rock "
Big Lime				Size of { Tubing <u>2 1/2"</u> Inch Casing "
Big Limestone			Squares <u>2 1/2" - 2 1/2"</u>	
1st Foot Sand				Vol. by Water <u>10</u> "
2nd Foot Sand				" " Mercury <u>10</u> "
3rd Foot Sand				" " Pressure "
4th Foot Sand				
5th Foot Sand				
6th Foot Sand				
7th Foot Sand				
8th Foot Sand				
9th Foot Sand				
10th Foot Sand				
11th Foot Sand				
12th Foot Sand				
13th Foot Sand				
14th Foot Sand				
15th Foot Sand				
16th Foot Sand				
17th Foot Sand				
18th Foot Sand				
19th Foot Sand				
20th Foot Sand				

CONNECTED TO MAIN LINE

Length of Line _____
 Size of Line _____ Inch

DISCONNECTED FROM LINE

Notified Lessor _____
 Abandoned _____
 Repacked _____
 With _____ Feet _____ Tubing

Total Depth _____ Feet at \$ _____ per Foot \$ _____
 Gas Furnished at _____ Cents per Foot

CASING RECORD

DATE	DROPPED IN WELL		PUT IN WELL		PULLED		LEFT IN WELL		TRANSFERRED		LEFT AT WELL	
	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.	Foot	In.

PACKER
 Kind _____
 Size _____
 Set at _____ Feet

WELL SHOT
 By _____
 With _____ Qts. at _____ Feet **02/16/2018**

Casing Cemented in Well _____ by _____ Company Employee

RECEIVED
 Office of Oil and Gas
DEC 4 2017
 WV Department of
 Environmental Protection

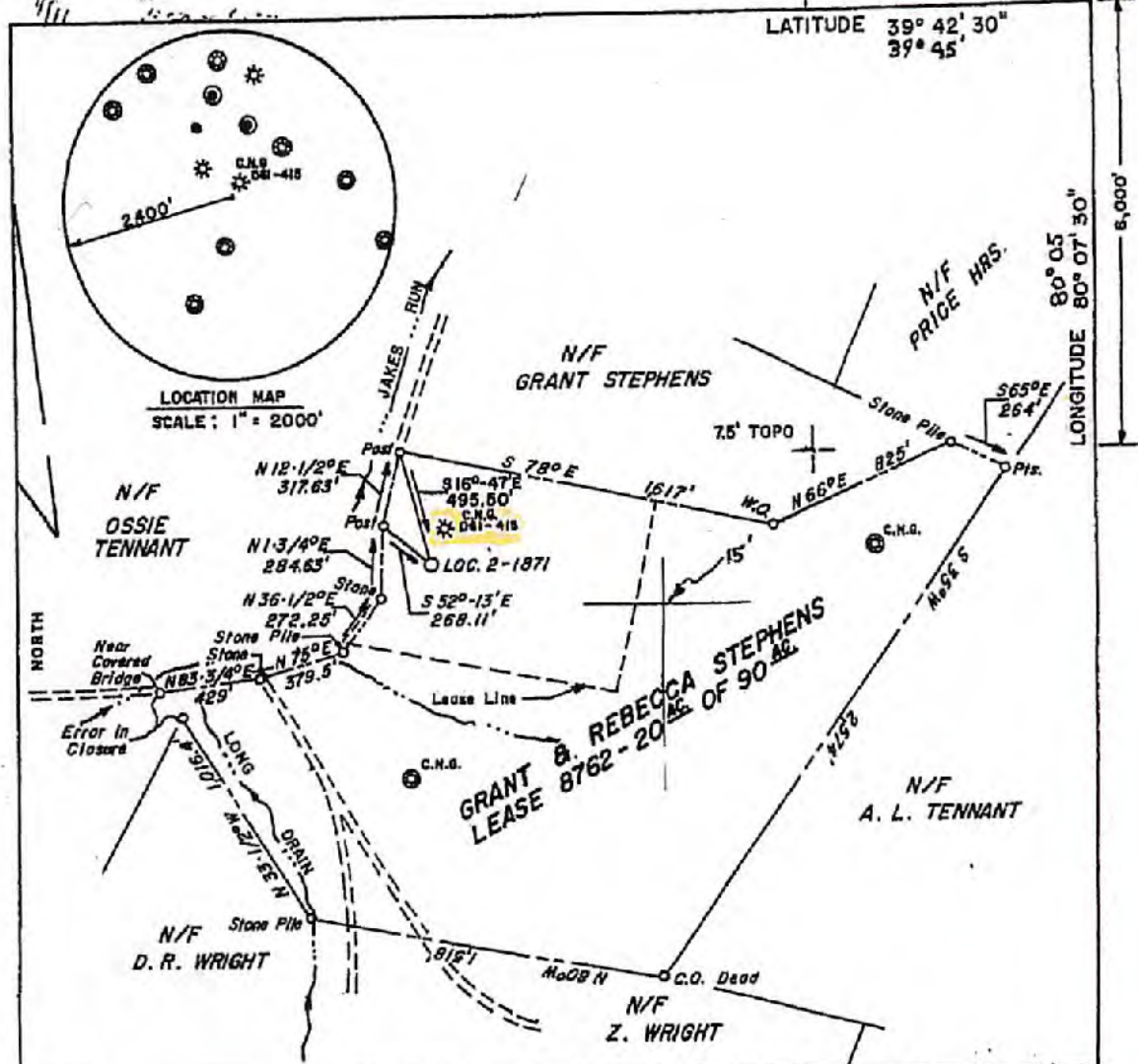
RECORD OF MATERIAL USED AT WELL

No. _____ Farm in _____ Township _____ County, _____
District _____

DESCRIPTION	TAKEN TO	Feet	In
4 1/2" CASING			
3" CASING			
2 1/2" CASING			
2" CASING			
1 1/2" CASING			
1" CASING			
5" CASING			
3" TUBING			
BRANCH LINE CONNECTING WELL			
MISCELLANEOUS			

RECEIVED
Office of Oil and Gas
DEC 4 2017
WV Department of
Environmental Protection

61-00415P



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION INTER. CO. ROADS #31
 #22 #37/1 ELEV. = 956'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF MINES.
 (SIGNED) Shane R. Stebbins
 R.P.E. 8993 L.L.S.

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE JUNE 9, 19 82
 OPERATOR'S WELL NO. 2-1871
 API WELL NO. _____
47 061 00415
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1060' WATER SHEED JAKES RUN
 DISTRICT CLAY COUNTY MONONGALIA
 QUADRANGLE BLACKSVILLE
 SURFACE OWNER JESS STATLER ACREAGE 90
 OIL & GAS ROYALTY OWNER GRANT STEPHENS 81 91 LEASE ACREAGE 20
 LEASE NO. 8782
 PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ELK ESTIMATED DEPTH 5990'
 WELL OPERATOR CARNEGIE NATURAL GAS CO. DESIGNATED AGENT J. C. STEPHENSON, DIVISION SUPERINTENDENT
 ADDRESS 3904 MAIN STREET ADDRESS P.O. BOX, 387
MUNHALL, PA. 15120 MANNINGTON, W. VA. 26582

RECEIVED
 Office of Oil and Gas
 DEC 4 2017
 WV Department of Environmental Protection

MJK
 12/1/2017

WW-4-A
Revised 6/07

1) Date: November 9, 2017
2) Operator's Well Number
651636 (Stephens #570)
3) API Well No.: 47 061 - 00415
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

RECEIVED
Office of Oil and Gas
NOV 22 2017
WV Department of
Environmental Protection

4) Surface Owner(s) to be served:
(a) Name Albert K. Statler ✓
Address 15 Long Drain Road
Core, WV 26541
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Gayne J. Knitowski
Address P. O. Box 108
Gorman, WV 26720
Telephone (304) 546-8171

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Consol Energy, Inc. ✓
Address 1000 Consol Energy Drive
Cannonsburg, PA 15317
Name Murray Energy Corp. ✓
Address 46226 National Road
St. Clairsville, OH 43950
(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: Regional Land Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076

Subscribed and sworn before me this 14th day of November, 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.

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

02/16/2018

1) Date: November 9, 2017
2) Operator Well Number: 881808 (Operator 8818)
3) API Well No: 47 081 - 00418
Form: County: Boone

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

RECEIVED
Office of Oil and Gas
NOV 8 2017
WV Department of
Environmental Protection

Owner (a) to be retained	Name	Address
(a) Name	Alfred H. Stottel	15100 Dick Road Coal WV 26041
(b) Name	None	None
(b) Coal Owners with Decision	Name	Address
	Conoco Energy, Inc.	1000 Energy Drive Canaanville, PA 15817
	Winters Energy Corp.	40228 National Road St. Clairsville, OH 43950
(c) Coal Leases with Decision	Name	Address
	None	None
Leaseholder	Gayle J. Knutson	P.O. Box 108 Goreville, WV 26730 (304) 840-6777

TO THE PERSONS LISTED ABOVE: You should have received this form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WV-4B, which sets out the parties involved in the work and describes the well to be plugged, well location and
 - (2) The plat survey showing the well location on Form WV-6
- The reason you receive these documents is that you have rights regarding the application which are enumerated in the instructions on the reverse side. However, you are not required to take any action at all.
- Take notice that under Chapter 21 of the West Virginia Code, the underground well operator proposes to file of this well the 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 plat on the attached Form WV-4B. 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 for publication in certain circumstances on or before the day of mailing or delivery to the Chief.

Well Operator: WT Production Company
 State: Virginia
 Title: Regional Land Supervisor
 Address: PO Box 100
Bechtel, WV 26230
 Telephone: (304) 848-6076

I, Richard H. Stottel, of the County of Boone, West Virginia, do hereby certify that the above information is true and correct to the best of my knowledge and belief. I am duly qualified to sign this document and am not under any legal disability.

The Office of Oil & Gas will not be responsible for the accuracy of the information provided in this application. If you have any questions about the accuracy of the information provided, you should contact the Office of Oil & Gas, West Virginia Division of Environmental Protection, 1000 Energy Drive, Canaanville, PA 15817, or call (304) 840-6777. Reasonable information may be disclosed to other state agencies or third parties in the normal course of business and will be made available to the public. The Office of Oil & Gas will not be responsible for the accuracy of the information provided in this application. If you have any questions about the accuracy of the information provided, you should contact the Office of Oil & Gas, West Virginia Division of Environmental Protection, 1000 Energy Drive, Canaanville, PA 15817, or call (304) 840-6777.

02/16/2018

Form WW-70
Rev. 8/95

Affidavit of Personal Service

State Of West Virginia

County Of Monongalia

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A)___/ WW-3(A)___/ WW-4(A)___/ WW-5(A)___/ WW-6(A)___
- (2) Application on Form WW-2(B)___/ WW-3(B)___/ WW-4(B)___/ WW-5(B)___/ WW-6(B)___
- (3) Plat showing the well location on Form WW-6, X and
- (4) Construction and Reclamation Plan on Form WW-9
- (5) Letter response to complaint filed. ___

--all with respect to operator's Well No. Stephens #570 located in Clay District, Monongalia County, West Virginia, upon the person or organization named--

Albert Statler
--by delivering the same in Monongalia County, State of West Virginia on the 29th day of November, 2017 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him X/ her ___/ or, because he ___/ she ___/ refused to take it when offered it, by leaving it in his ___/ her ___/ presence.

Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named _____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee ___/ officer ___/ director ___/ attorney ___ in fact ___/ named _____

[Signature]
(Signature of person executing service)

Taken, subscribed and sworn before me this 29th day of November 20 17.
My commission expires 11 Feb 2022

Victoria E. Stollings
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)



RECEIVED
Office of Oil and Gas
DEC 4 2017
WV Department of
Environmental Protection

MSK
12/1/2017

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

Operator Name: EQT PRODUCTION COMPANY OP CODE: _____

Watershed (HUC 10): Long Drain Run Quadrangle: Blacksville 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: _____
Will a synthetic liner be used in the pit? Yes X No ___ Is so, what ml.? 20ml 40ml

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 ar 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.
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.

RECEIVED
Office of Oil and Gas
DEC 10 2017
WV Department of Environmental Protection

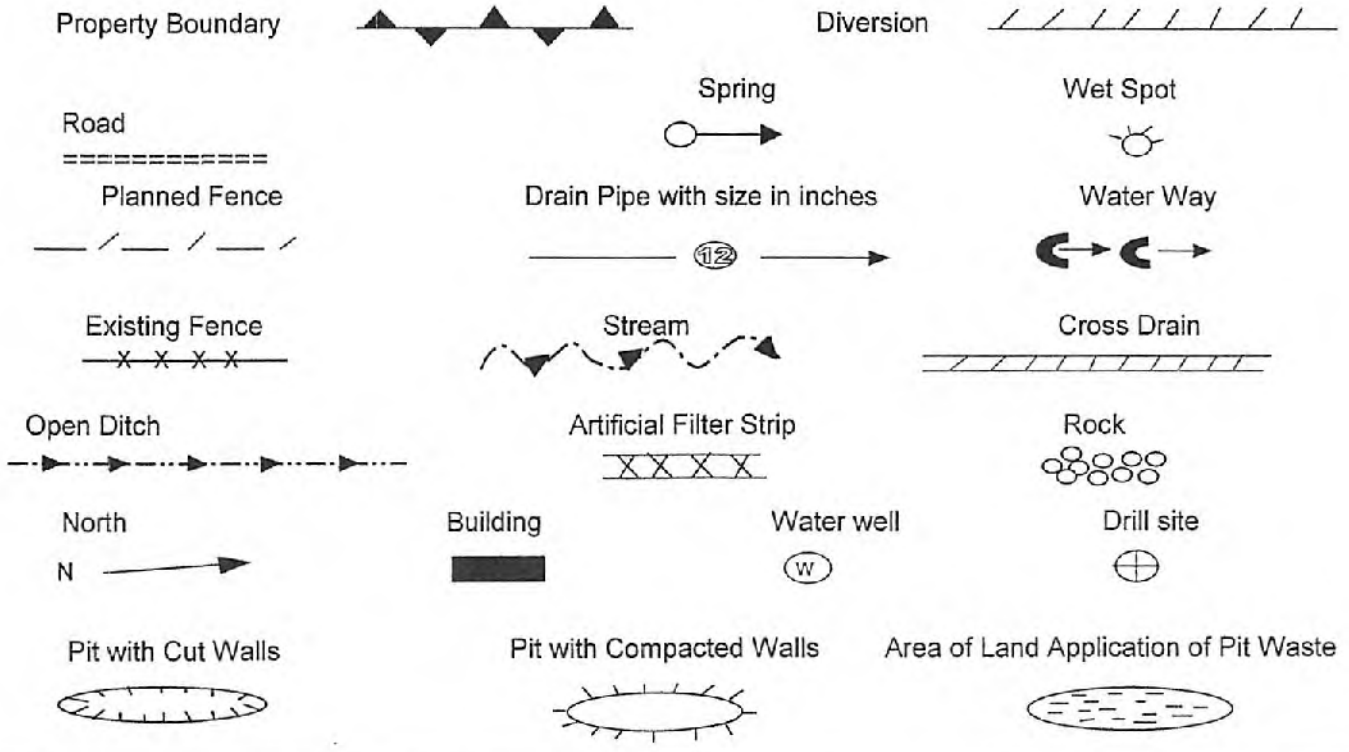
Company Official Signature _____
Company Official (Typed Name) Victoria J. Roark
Company Official Title Regional Land Supervisor - WV
Subscribed and sworn before me this 14th day of November, 2017

My Commission Expires 2/20/19
NOTARY PUBLIC
Misty S. Christie
433 Birchcliff Rd
Bridgeport WV 26330
My Commission Expires February 20, 2018

02/16/2018

OPERATOR'S WELL NO.:
651636 (Stephens #570)

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: *Harvey J. Kirtm*

Comments: *Reclaim well site ASAP*

Title: *Inspector* Date: *11/29/2017*
 Field Reviewed? Yes No

RECEIVED
 Office of Oil and Gas

DEC 10 2017

WV Department of
 Environmental Protection

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

RECEIVED
Office of Oil and Gas

NOV 22 2017

WV Department of
Environmental Protection

Topo Quad: Blacks ville 7.5'

Scale: 1" = 500'

RECEIVED
Office of Oil and Gas

County: Monongalia

Date: October 5, 2017

NOV 22 2017

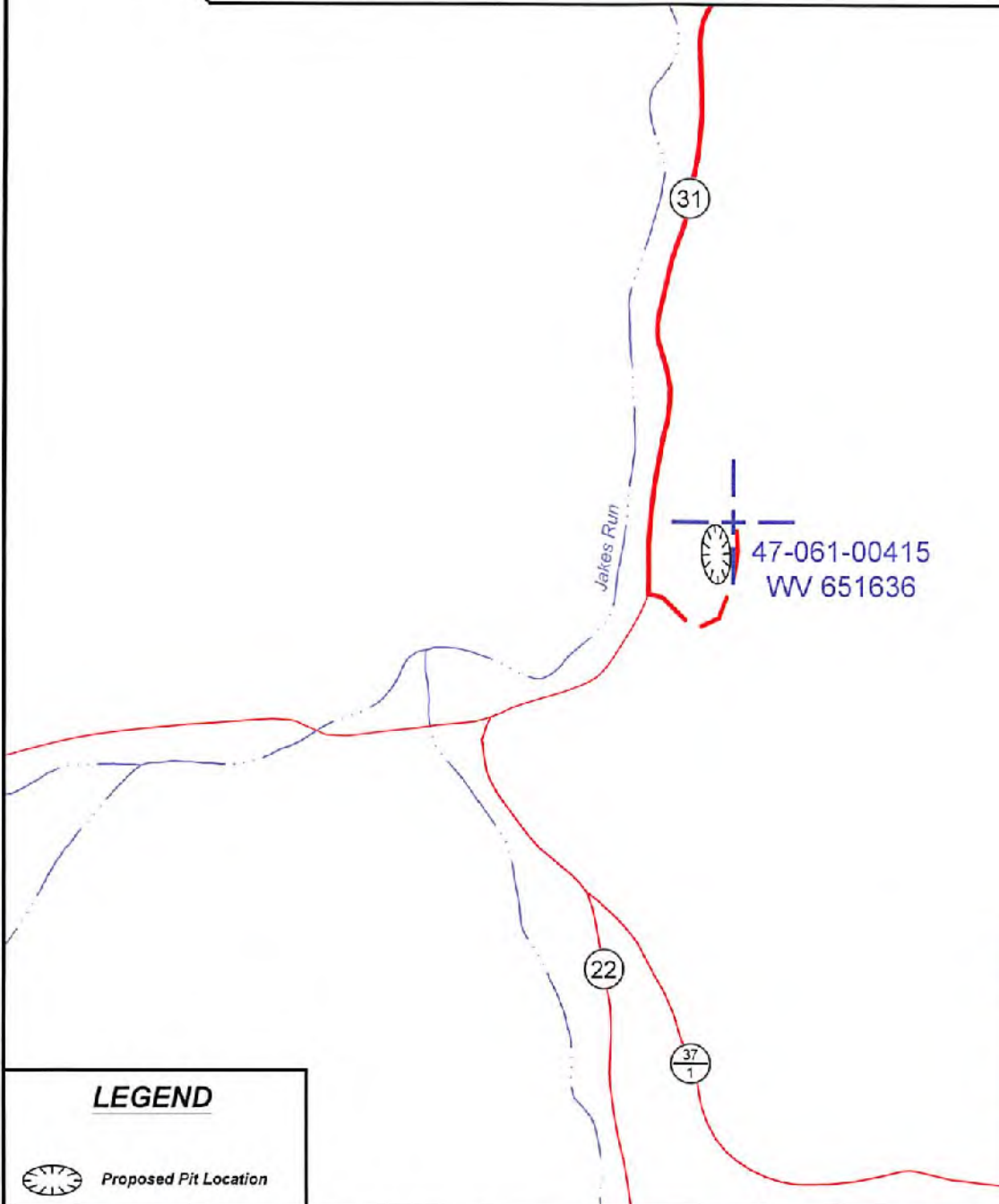
District: Clay

Project No: 72-20-00-08

WV Department of
Environmental Protection

Highway

47-061-00415 WV 651636 (Stephens #570)



47-061-00415
WV 651636

NAD 27, North Zone
N: 434,881.85
E: 1,820,019.35

WGS 84
LAT: 39.692321
LONG: -80.139370
ELEV: 1,033.62

LEGEND



Proposed Pit Location



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:

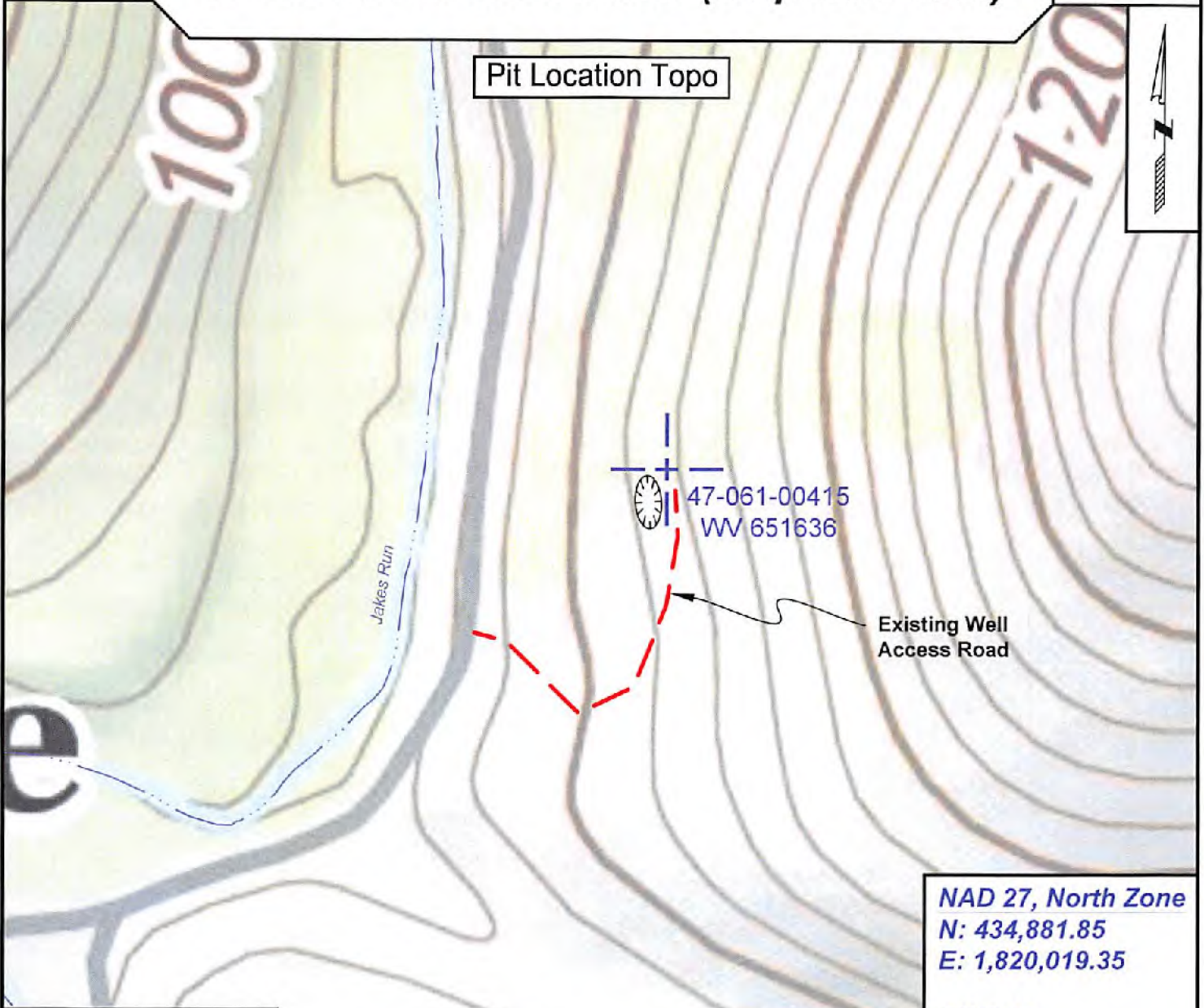
EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

Topo Quad: Blacks ville 7.5'	Scale: 1" = 200'	RECEIVED Office of Oil and Gas
County: Monongalia	Date: October 5, 2017	NOV 22 2017
District: Clay	Project No: 72-20-00-08	WV Department of Environmental Protection

47-061-00415 WV 651636 (Stephens #570)

Topo



Pit Location Topo

47-061-00415
WV 651636

Existing Well
Access Road

NAD 27, North Zone
 N: 434,881.85
 E: 1,820,019.35

WGS 84
 LAT: 39.692321
 LONG: -80.139370
 ELEV: 1,033.62

LEGEND

Proposed Pit Location



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

Topo Quad: Blacksville 7.5'

Scale: 1" = 2000'

RECEIVED
Office of Oil and Gas

County: Monongalia

Date: October 5, 2017

NOV 22 2017

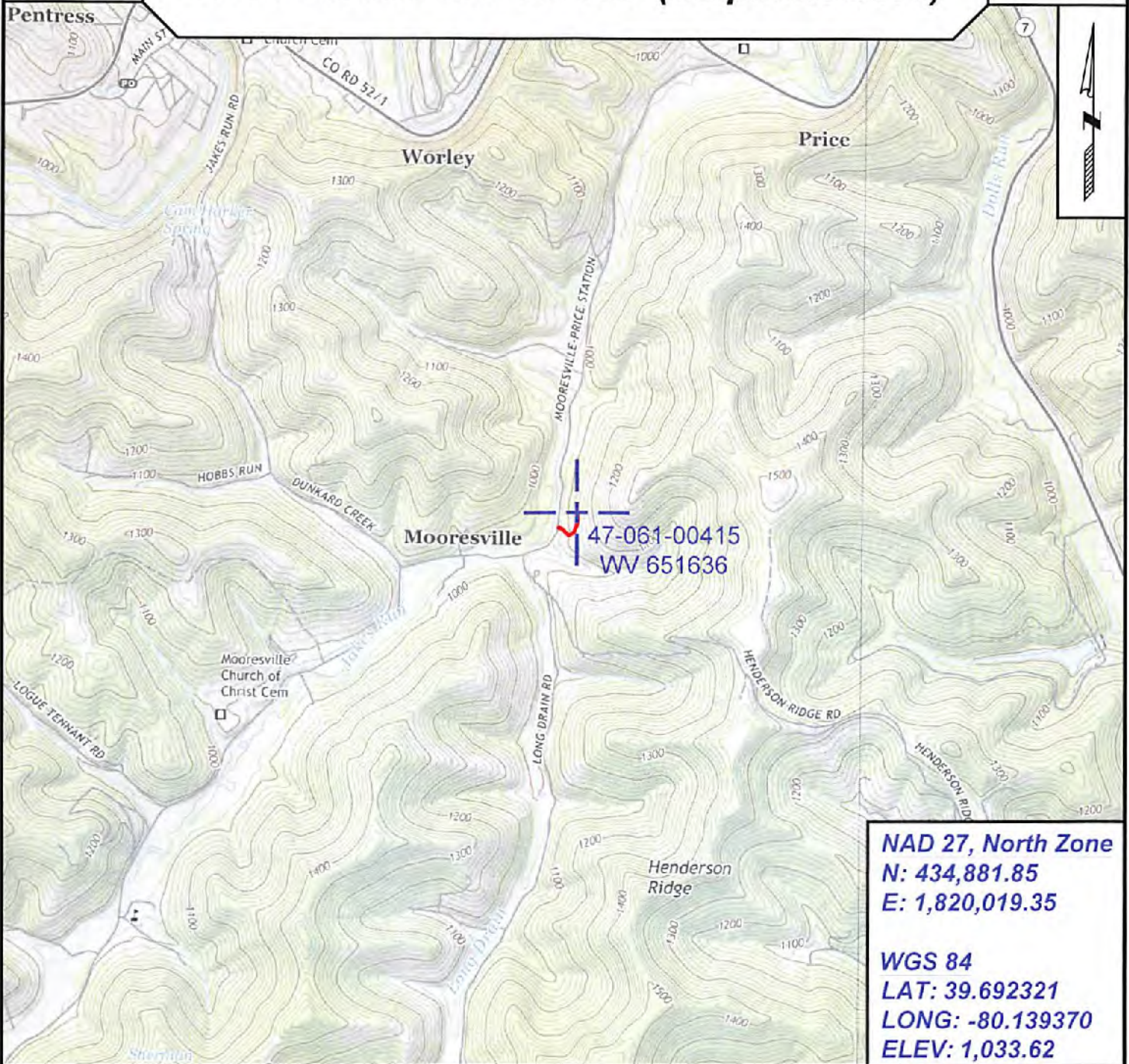
District: Clay

Project No: 72-20-00-08

WV Department of
Environmental Protection

47-061-00415 WV 651636 (Stephens #570)

Topo



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



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Stephens #570 WV 651636 47-061-00415

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 499 +/- Owner: Albert K. Statler
Address: 15 Long Drain Rd., Core, WV 26541 Phone No. _____
Comments: _____

Site: 2 Spacing: 769 +/- Owner: Albert K. Statler
Address: 15 Long Drain Rd., Core, WV 26541 Phone No. _____
Comments: _____

Site: 3 Spacing: 900 +/- Owner: Albert K. Statler
Address: 15 Long Drain Rd., Core, WV 26541 Phone No. _____
Comments: _____

RECEIVED
Office of Oil and Gas
NOV 22 2017
WV Department of
Environmental Protection

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

Topo Quad: Blacksville 7.5'
County: Monongalia
District: Clay

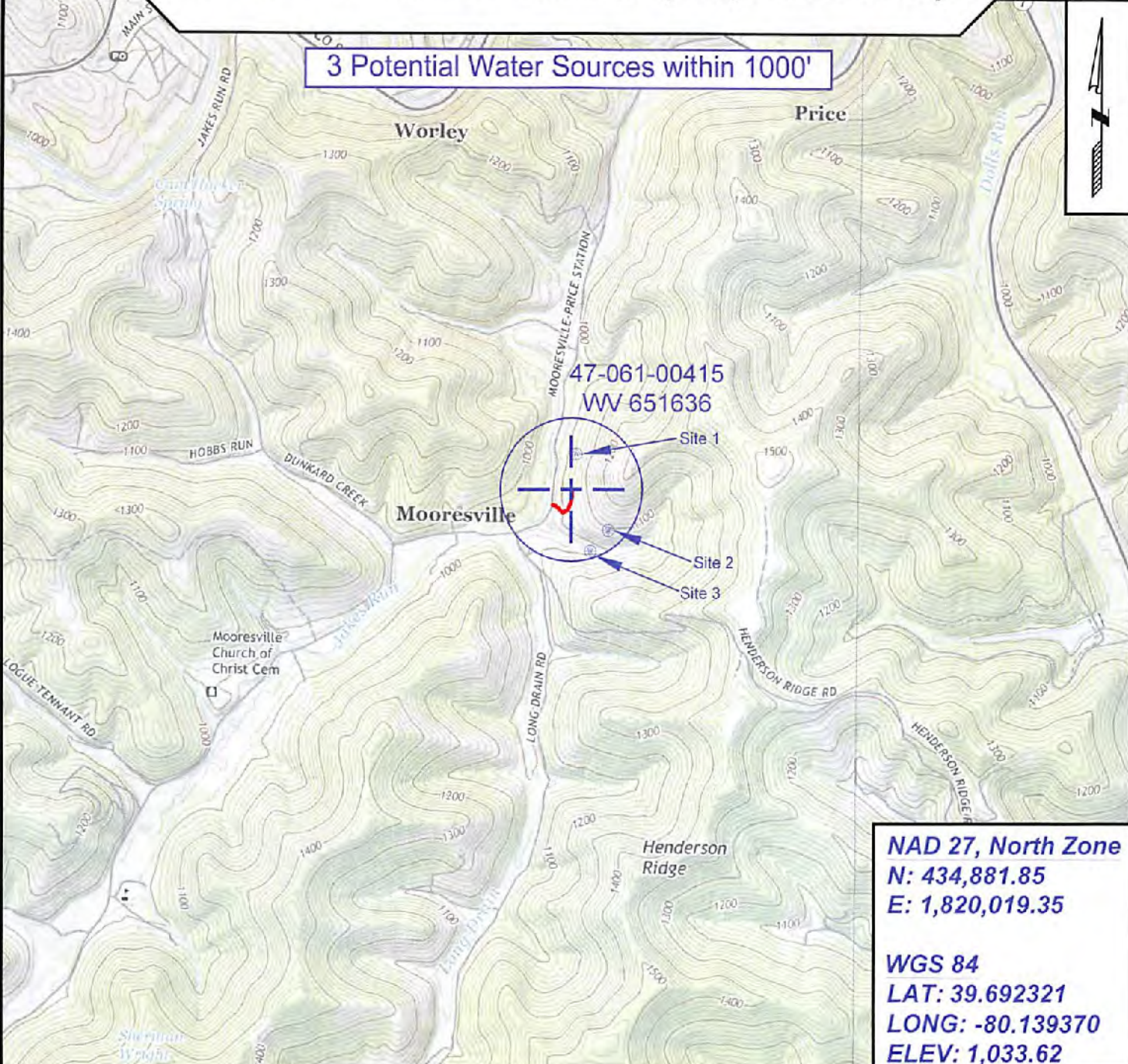
Scale: 1" = 2000'
Date: October 5, 2017
Project No: 72-20-00-08

RECEIVED
Office of Oil and Gas
NOV 22 2017
WV Department of
Environmental Protection

Water

47-061-00415 WV 651636 (Stephens #570)

3 Potential Water Sources within 1000'



NAD 27, North Zone
N: 434,881.85
E: 1,820,019.35

WGS 84
LAT: 39.692321
LONG: -80.139370
ELEV: 1,033.62



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

61-00415 A

WW-7
8-30-06

RECEIVED
Office of Oil and Gas

NOV 22 2017

WV Department of
Environmental Protection



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

API: 47-061-00415 WELL NO.: WV 651636 (Stephens #570)

FARM NAME: Grant Stephens

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville 7.5'

SURFACE OWNER: Albert Statler

ROYALTY OWNER: Piney Holdings, Inc.

UTM GPS NORTHING: 4393963

UTM GPS EASTING: 573792 GPS ELEVATION: 315 m (1034 ft)

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

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

Survey grade GPS _____ : Post Processed Differential _____

Real-Time Differential _____

Mapping Grade GPS X : Post Processed Differential X

Real-Time Differential _____

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

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

Signature

PS # 2180
Title

10/26/17
Date

02/16/2018