



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, May 15, 2018
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 2-1865
47-085-05676-00-00

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: 2-1865
Farm Name: MULLENIX-ZINN
U.S. WELL NUMBER: 47-085-05676-00-00
Vertical Plugging
Date Issued: 5/15/2018

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.

Date: April 5, 2018
Operator's Well
Well No. 657326 DP Mullenix #1865
API Well No.: 47 085 - 05676

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

47 085 05676P

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil Gas Liquid Injection Waste Disposal
If Gas, Production Or Underground storage Deep Shallow
- 5) Elevation: 1145 Watershed: Straight Fork of Slab Creek
Location: Union County: Ritchie Quadrangle: Pullman
District: _____
- 6) Well Operator EQT Production Company 7) Designated Agent: Jason Ranson
120 Professional Place Address: 120 Professional Place
Address: Bridgeport, WV 26330 Bridgeport, WV 26330
- 8) Oil & Gas Michael Goff 9) Plugging Contractor:
Name: 1723 Auburn Road Name: HydroCarbon Well Service
Address: Pullman WV 26421 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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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

Michael Goff

Date 5/8/2018

PLUGGING PROGNOS

657326
Mullenix #1865
API# 47-085-05676
District, Union
Ritchie County, WV

47 085 05676P

BY: R Green
DATE: 01/09/18

CURRENT STATUS:

TD @ 5250'
Elevation @ 1145'

11 3/4" casing @ 334' (CTS)
8 5/8" casing @ 1960' (CTS)
4 1/2" casing @ 5220'
Perforations @ 4517' to 5162'
" " 2864' to 3435'

Fresh Water @ None Reported
Saltwater @ None Reported
Oil Show @ None Reported
Gas shows @ None Reported
Coal @ 1617'

1. Notify inspector Michael Goff @ 304-549-9823, 24 hrs. prior to commencing operations.
2. TIH check TD @ or below 5162'.
3. TIH to 5162', spot 40 bbl. of 6% gelled water, followed by a 700' C1A cement plug 5162' to 4462', WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
4. TOOH to 3500' set a 700' C1A cement plug, 3500' to 2800'. WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
5. Free point 4 1/2" casing, cut casing @ free point. TOOH 4 1/2" casing.
6. Set a 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.
7. TOOH to 2000' set a 200' C1A cement plug 2000' to 1800'. (8 5/8" casing seat).
8. TOOH to 1200' set a 200' C1A cement plug 1200' to 1000' (Elevation & Safety Plug).
9. TOOH to 400' set a 400' C1A cement plug 400' to surface. (11 3/4" casing seat).
10. Erect monument with API#, date plugged, & company name.
11. Reclaim location and road to WV-DEP specifications.

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JWA

MAG
5-8-2018

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STATE

IV-35
(Rev 8-81)

FEB 24 1983

OIL AND GAS DIVISION
WEST DEPARTMENT OF MINES

Date January 7, 1983

Operator's

Well No. 2-1865

State of West Virginia

Department of Mines

Farm D. P. Muller

Oil and Gas Division

API No. 47-085-5676

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow)

LOCATION: Elevation: 1145' Watershed: Straight Fork
District: Union County: Ritchie Quadrangle: Holbrook N.W.

COMPANY Carnegie Natural Gas Company
ADDRESS 800 Regis Ave. Pittsburgh, Pa. 15236
DESIGNATED AGENT W. L. Yoho
ADDRESS Toll Gate, W.Va. 26142
SURFACE OWNER Lucille M. Muller
ADDRESS Pullman, W.Va.
MINERAL RIGHTS OWNER Ava L. Zinn et al.
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Sam
Horsham ADDRESS Smithville, W.Va.
PERMIT ISSUED April 2, 1982
DRILLING COMMENCED August 16, 1982
DRILLING COMPLETED August 23, 1982
IF APPLICABLE: PLOGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill up ft.
Size 20-16 Cond.			
11-3/4	334'	334'	334'
9-5/8			
8-5/8	1960'	1960'	1960'
7			
5-1/2			
4-1/2	5220'	5220'	2600'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5250' feet

Depth of completed well 5220' feet Rotary / Cable Tools

Water strata depth: Fresh feet; Salt feet

Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Four h. Alexander, Riley, Warren Pay zone depth 2861'-5162' feet

Gas: Initial open flow 18 Mcf/d Oil: Initial open flow 8bl/d

Final open flow 116 Mcf/d Oil: Final open flow 8bl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 975 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

KIT - 5676

4708505676P

FORM IV-35
(REVERSE)

DETAILS OF PERFORATEL INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Date	Perf.	Sacks <u>Sand</u>	Bbls. <u>Fluid</u>	Bbls. <u>Acid</u>
9-23-82	4517' - 5162'	550	559	1.4
9-23-82	2864' - 3435'	550	601	17

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay	Red		0	15	
Shale	Gray		15	55	
Sand	White		55	115	
Sandy Shale	Gray		115	140	
Shale	Gray		140	150	
Sand	Gray		150	184	
R. R. & Shale	Red		184	203	
Sand	Gray		203	340	
Shale	Gray		340	405	
Red Rock	Red		405	412	
Shale	Gray		412	592	
Sandy Shale	Gray		592	806	
Shale & Red Rock	Gray		806	931	
Sand	Gray		931	1024	
Red Rock & Shale	Red & Gray		1024	1056	
Sandy Shale	Gray		1056	1300	
Sand	White		1300	1617	
Coal	Black		1617	1620	
Sand	Gray		1620	1895	
Lime & Sand	Gray		1895	1937	
Shale	Black & Gray		1937	1940	
Lime & Sand	Gray		1940	2081	
Sandy Shale	Gray		2081	2123	
Shale	Gray		2123	2680	
Sand	Gray		2680	2770	
Shale	Gray		2770	2795	
Sand	Gray		2795	2830	
Shale	Gray		2830	2940	
Sandy Shale	Gray		2940	2990	
Shale	Gray		2990	3010	
Sand	Gray		3010	3050	
Shale	Gray		3050	4250	
Sand	Gray		4250	4370	
Shale	Gray		4370	4680	
Sand	Gray		4680	4888	
Shale	Gray		4888	4928	
Shale	Gray		4928	5220	

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T.D.

(Attach separate sheets as necessary)

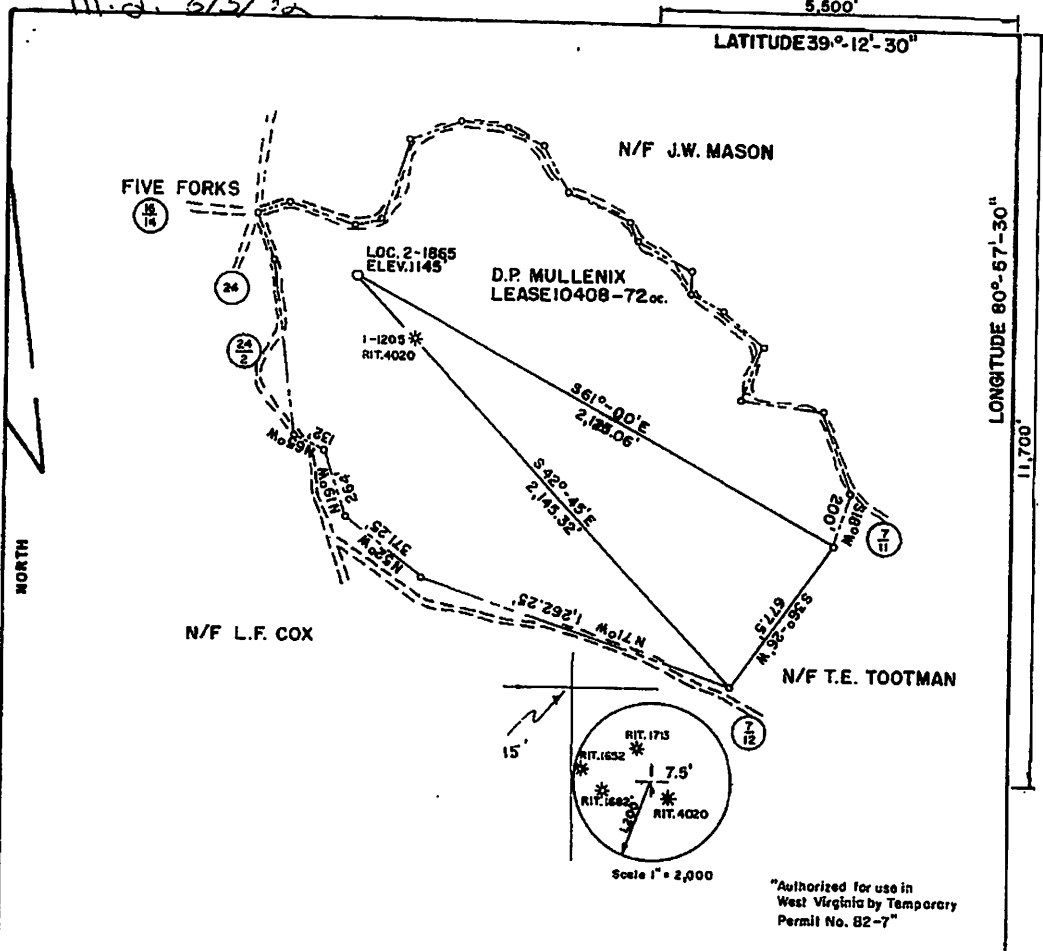
Carrigle Natural Gas Company
Well Operator

By: [Signature] Dist. Foreman

Date: January 7, 1983

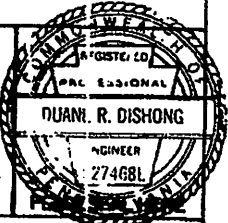
Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic
detailed geological record of all formations, including
etc., encountered in the drilling of a well."

4708505676P



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1" IN 200'
 PROVEN SOURCE OF ELEVATION B.M. ALONG CO. ROAD
 24/2 ELEV. = 1188'

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) Duane R. Dishong
 M.P.E. D27468 E L.L.S.



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

DATE FEB. 11, 19 32
 OPERATOR'S WELL NO. 2-1865
 API WELL NO. _____
 STATE 47 COUNTY 085 PERMIT 5676

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

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 WV Department of Environmental Protection

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1145' WATER SHED _____ DRAIN TO STRAIGHT FORK _____
 DISTRICT UNION _____ COUNTY RITCHIE _____
 SURFACE OWNER LUCILLE M. MULLENIX _____ ACREAGE 72
 OIL & GAS ROYALTY OWNER AVA L. ZINN et al. _____ LEASE ACREAGE 72
 LEASE NO. 10408
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUS AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION ALEXANDER _____ ESTIMATED DEPTH 5250'
 WELL OPERATOR CARNEGIE NATURAL GAS CO. DESIGNATED AGENT W.L. YOHQ, SUPERINTENDENT
 ADDRESS 3904 MAIN STREET ADDRESS CARNEGIE NATURAL GAS CO.
 MUNHALL, PA. 15120 TOLL GATE, W.VA. 26442

WW-4-A
Revised 6/07

1) Date: April 5, 2018
2) Operator's Well Number
657326 DP Mullenix #1865
3) API Well No.: 47 085 - 05676
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 Denver and Donna Mullenix
Address 580 Wigner Ave
Harrisville WV 26362
(b) Name Melvin and Sharon Morrison
Address 13 Grant Lipscomb Rd.
Harrisville WV 26362
(c) Name Thomas Franklin McDonald
Address Thomas Franklin McDonald Jr.
90 Five Forks Rd.
Harrisville WV 26362
6) Inspector Michael Goff
Address 1723 Auburn Road
Pullman WV 26421
Telephone 304-549-9823

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Dorward Energy Corporation
447 3rd Ave N STE 400
Address St Petersburg, FL 33701-3255
Name Chad Johnson
Address 109 Platnium Drive STE 1
Bridgeport, WV 26330
(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: Erin Spine
Its: Regional Land Supervisor
Address: 2200 Energy Drive
Canonsburg PA 15317
Telephone: (304) 848-0035

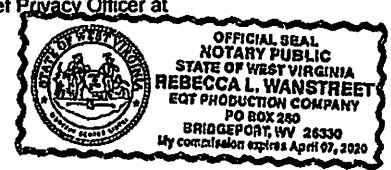
Subscribed and sworn before me this 9 day of May, 2018
Rebecca L. Wanstreet Notary Public
My Commission Expires: _____

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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WW2-A

Additional Coal Owners

✓ Denver and Donna Mullenix
580 Wigner Ave.
Harrisville, WV 26362

✓ Duane Cox
1013 17th St.
Vienna, WV 26105

✓ Billie C. Cox
1001 Fox Ave.
Harrisville, WV 26362

✓ Eva Jean Boice
831 Staunton TPKE
Parkersburg, WV 26104

✓ David L. Cox
7087 Pullman Road
Pensboro, WV 26415

✓ Ridgewood Development LLC
1026 Oak Grove Road
Waverly, WV 26184

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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): Straight Fork of Slab Creek Quadrangle: Pullman

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 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 _____)

MOC
5-8-2018

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 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.

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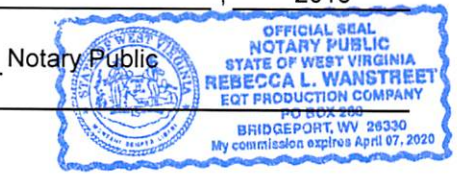
Company Official Signature [Signature] WV Department of

Company Official (Typed Name) Erin Spine Environmental Protection

Company Official Title Regional Land Supervisor

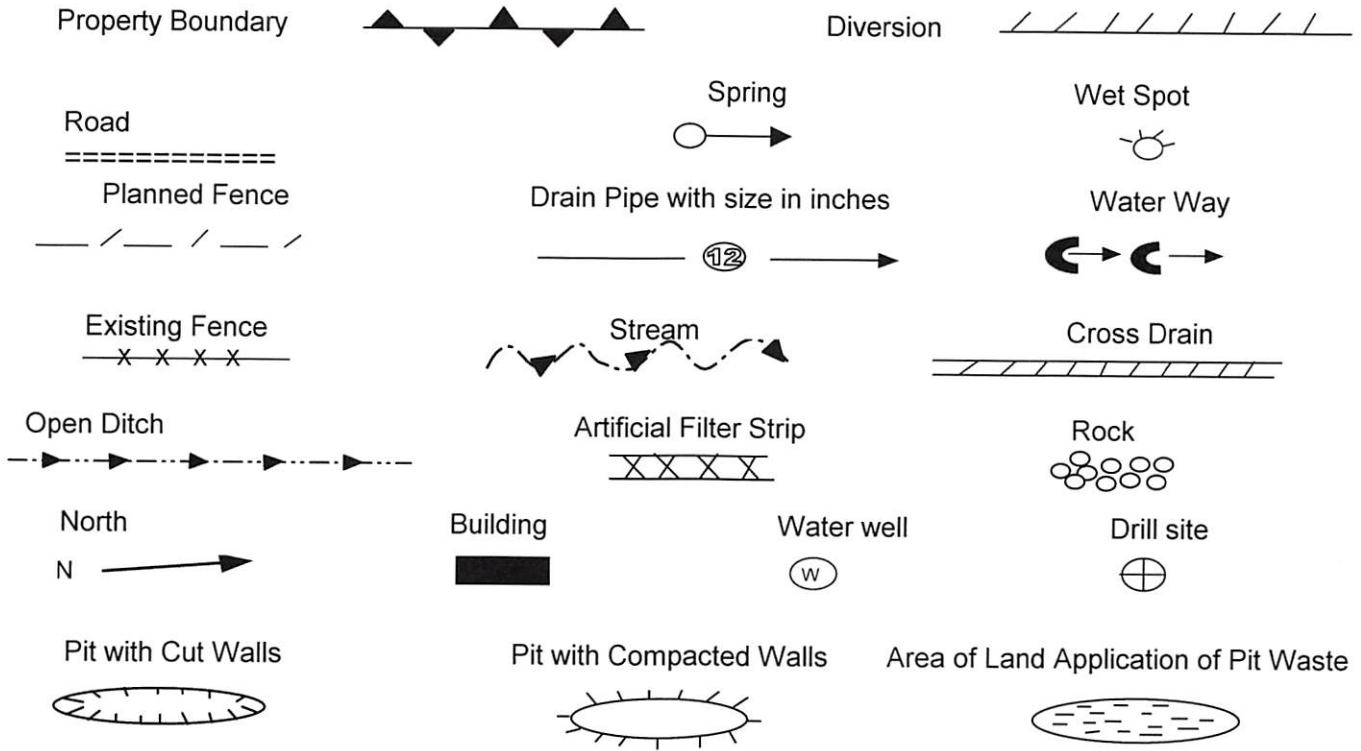
Subscribed and sworn before me this 18 day of April, 2018

Rebecca L. Wanstreet
My Commission Expires 4-7-2020



OPERATOR'S WELL NO.:
657326 DP Mullenix #1865

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		

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

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Plan approved by: Michael Doff

WV Department of
 Environmental Protection

Comments: Seed & Mulch any disturbed areas

Title: Oil & Gas Inspector Date: 5-8-2018
 Field Reviewed? Yes No

EQT Production Water plan
Offsite disposals

47 08 505676 P

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

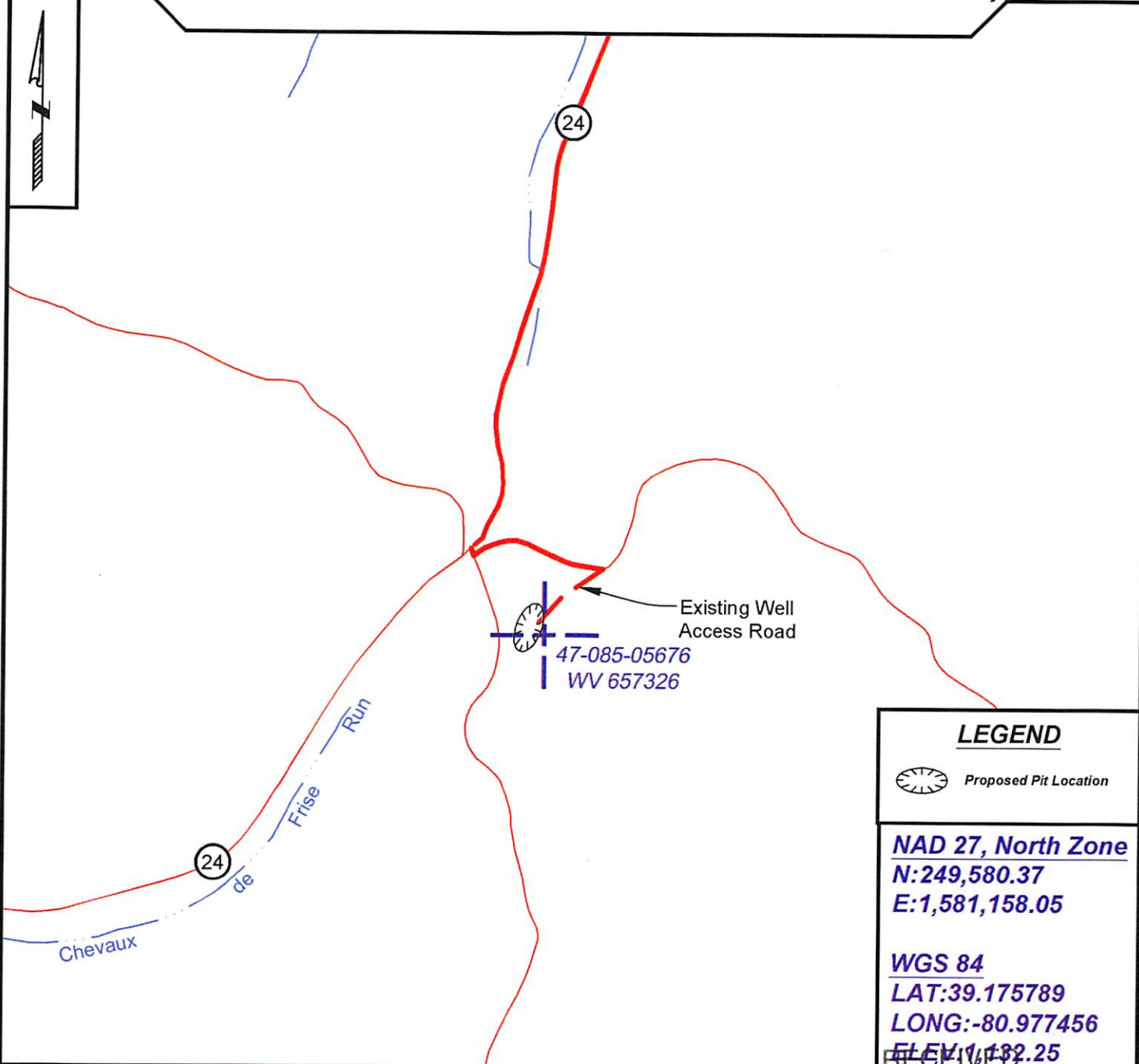
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Topo Quad: Pullman 7.5' Scale: 1" = 500'
 County: Ritchie Date: February 28, 2018 **4708505676P**
 District: Union Project No: 68-38-00-08

Highway **47-085-05676 WV 657326 (D.P. Mullenix #1865)**



LEGEND

 Proposed Pit Location

NAD 27, North Zone
N:249,580.37
E:1,581,158.05

WGS 84
LAT:39.175789
LONG:-80.977456
ELEV:1,132.25

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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: Office of Oil and Gas
EQT Production Company
 P.O. Box 280
 Bridgeport, WV 26330
 WV Department of
 Environmental Protection

APR 5 2018

Topo Quad: Pullman 7.5' Scale: 1" = 500'
 County: Ritchie Date: February 28, 2018 **4708505676P**
 District: Union Project No: 68-38-00-08

47-085-05676 WV 657326 (D.P. Mullenix #1865)

Topo

Pit Location Topo




Five Forks

Existing Well
Access Road


 47-085-05676
 WV 657326

LEGEND


 Proposed Pit Location

NAD 27, North Zone
N:249,580.37
E:1,581,158.05

WGS 84
LAT:39.175789
LONG:-80.977456
ELEV:1,132.25

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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:

Office of Oil and Gas

EQT Production Company

P.O. Box 280
 Bridgeport, WV 26330
 WV Department of
 Environmental Protection

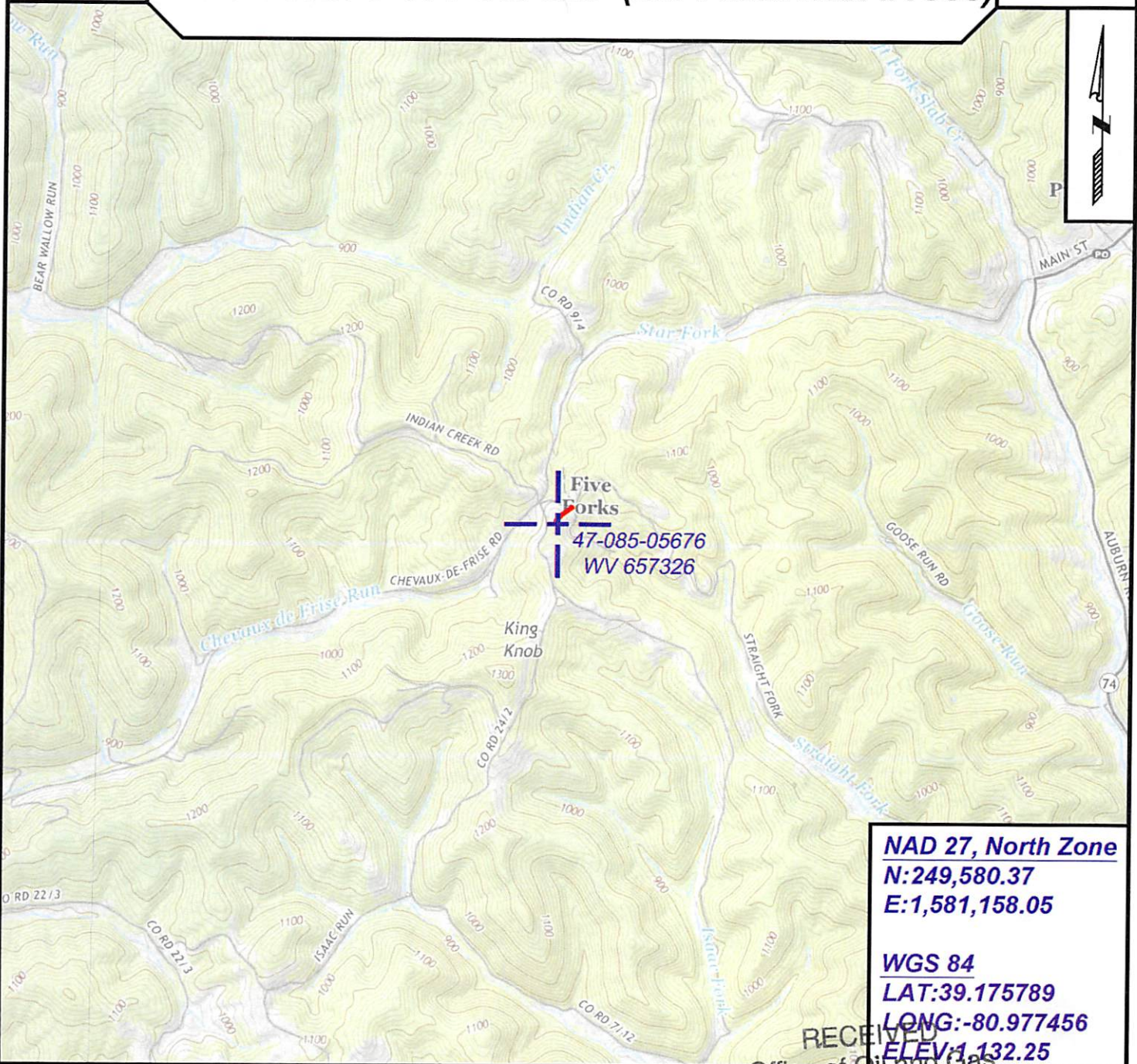
Topo Quad: Pullman 7.5' Scale: 1" = 2000'

County: Ritchie Date: February 28, 2018 47-085-05676 P

District: Union Project No: 68-38-00-08

47-085-05676 WV 657326 (D.P. Mullenix #1865)

Topo



NAD 27, North Zone
N:249,580.37
E:1,581,158.05

WGS 84
LAT:39.175789
LONG:-80.977456
ELEV:1132.25

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Office of Oil and Gas

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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 26301
WV Department of
Environmental Protection

4708505676P



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. D.P. Mullenix #1865 - WV 657326 - API No. 47-085-05676

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 657326

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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 Road
Alum Creek, WV 25003
phone: 304-756-2949 fax: 304-756-2948

4708505676P

Topo Quad: Pullman 7.5'

Scale: 1" = 2000'

County: Ritchie

Date: February 28, 2018

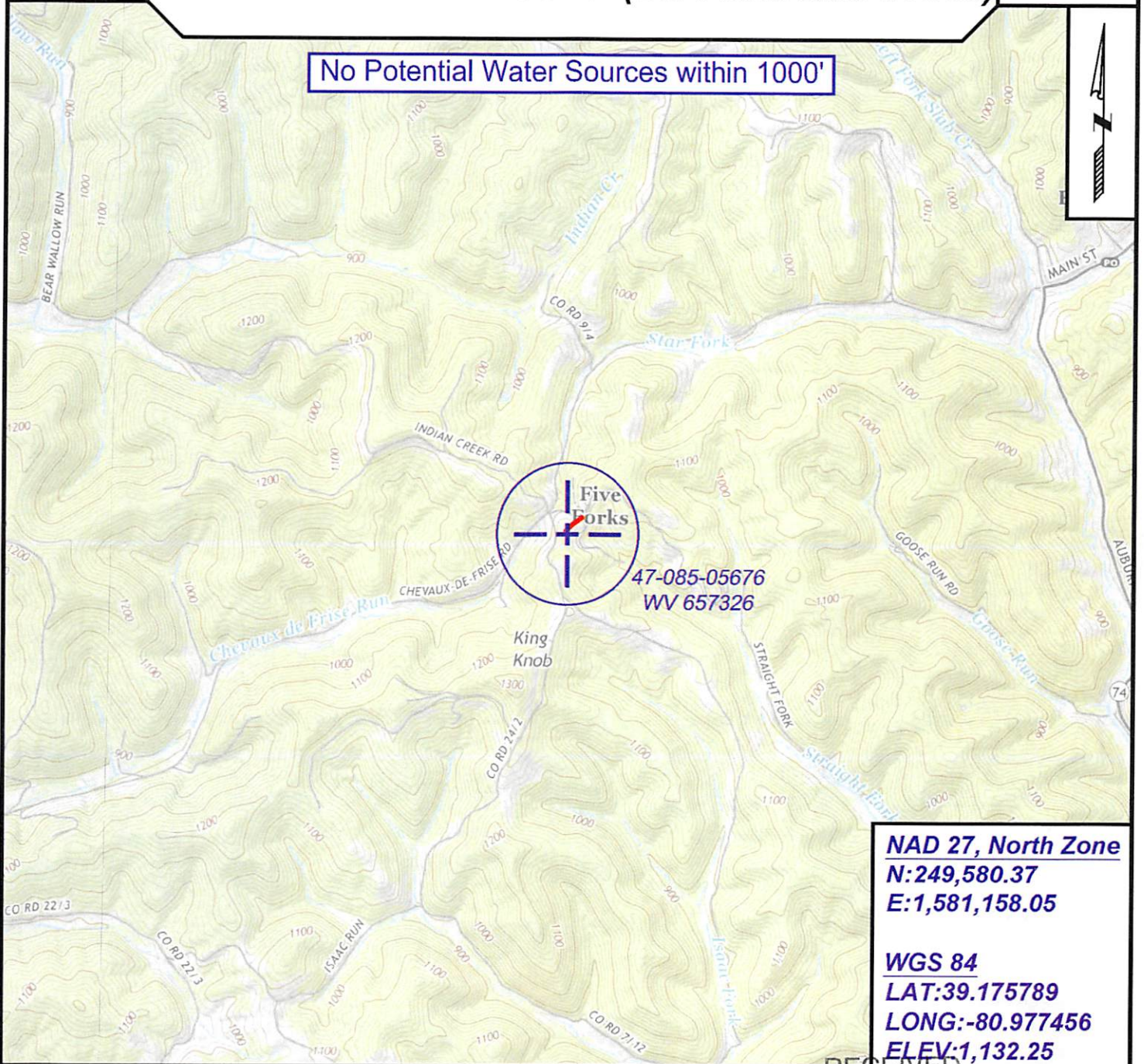
District: Union

Project No: 68-38-00-08

Water

47-085-05676 WV 657326 (D.P. Mullenix #1865)

No Potential Water Sources within 1000'



47-085-05676
WV 657326

NAD 27, North Zone
N:249,580.37
E:1,581,158.05

WGS 84
LAT:39.175789
LONG:-80.977456
ELEV:1,132.25

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Office of Oil and Gas
EQT Production Company

APR 23 2018
P.O. Box 280
Bridgeport, WV 26330

WV Department of
Environmental Protection



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:



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

API: 47-085-05676 WELL NO.: WV 657326 (D. P. Mullenix #1865)

FARM NAME: D. P. Mullenix

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Ritchie DISTRICT: Union

QUADRANGLE: Pullman 7.5'

SURFACE OWNER: Denver and Donna Rae Mullenix (Life Estate)

ROYALTY OWNER: Denver and Donna Rae Mullenix (Life Estate)

UTM GPS NORTHING: 4336294

UTM GPS EASTING: 501962 GPS ELEVATION: 345 m (1132 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 _____

RECEIVED
Office of Oil and Gas

APR 23 2018

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.

WV Department of
Environmental Protection

[Signature]
Signature

PS # 2100
Title

3/22/18
Date