



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

Wednesday, June 13, 2018
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for B 24
47-017-01231-00-00

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:
Farm Name: MAXWELL, LEWIS
U.S. WELL NUMBER: 47-017-01231-00-00
Vertical Plugging
Date Issued: 6/13/2018

R

17-01231A

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.

1) Date May 20, 2018
2) Operator's
Well No. 129931 Lewis Maxwell B24
3) API Well No. 47-017 - 01231

STATE OF WEST VIRGINIA
DEPARTMENT 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 ___ or Underground storage ___) Deep ___ / Shallow X

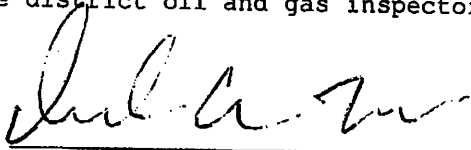
5) Location: Elevation 999 Watershed Arnolds Creek
District West Union County Doddridge Quadrangle West Union

6) Well Operator EQT Production Company 7) Designated Agent Jason Ranson
Address 2400 Ansys Drive- Suite 200 Address 120 Professional Place
Canonsburg PA 15317 Bridgeport WV 26330

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Daniel Flack Name HydroCarbon Well Service
Address 58 Rive Road Address PO Box 995
Buckhannon WV 26201 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.

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 6/4/18

PLUGGING PROGNOS

129931
Maxwell B-24
API# 47-017-01231
District, West Union
Doddridge County, WV

BY: R Green
DATE: 01/02/18

CURRENT STATUS:

TD @ 1969'
Elevation @ 1017'

13 3/8" casing @ 18' (Pulled)
10 3/4" casing @ 56'
8 1/4" casing @ 673'
7" casing @ 1096' (Pulled)
4 1/2" casing @ 1969' (Cemented with 40 sks)
Perfs 1860' to 1922'

Fresh Water @ 135'
Saltwater @ None Reported
Oil Show @ 1770' & 1854'
Gas shows @ 1729' 1858' & 1915'
Coal @ None Reported

1. Notify inspector Daniel Flack @ 304-545-0109, 24 hrs. prior to commencing operations.
2. TIH, check TD @ or below 1925'
3. TIH to 1925' and spot 30 bbl. of 6 % gelled water, followed by a 250' C1A cement plug, 1925' to 1675'. WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
4. Free point 4 1/2" casing, cut casing @ free point. TOOH 4 1/2" casing.
5. 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.
6. TOOH to 1125' set a 200' C1A cement plug 1125' to 925'. (Elevation & 7" casing seat).
7. TOOH to 750' set a 200' C1A cement plug 750' to 550'. (8 1/4" casing seat).
8. Free point 8 1/4" casing, cut casing @ free point. TOOH 8 1/4" casing.
9. 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.
10. TOOH to 250' set a 250' C1A cement plug 250' to surface.
11. Erect monument with API#, date plugged, & company name.
12. Reclaim location and road to WV-DEP specifications.

make every effort to pull all casing

Daniel Flack
01/02/18



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 10

Rotary
Spudder
Cable Tools
Storage

Quadrangle West Union 7 SW

WELL RECORD

Oil or Gas Well Gas
(KIND)

Permit No. Dod-1231

Company Cities Service Oil Company
Address Box 873, Charleston, W. Va. 25323
Farm Lewis Maxwell Acres 1562
Location (waters) Brunsv Fork
Well No. "B" 24, GW-1534 Elev. 1017.38'
District West Union County Doddridge
The surface of this well is owned by R. D. Pierce
810 Monroe St. Address Annapolis, Md.
Apt. #108
Mineral rights are owned by Mrs. Grace Gaylord, et al
(For further add. contact C. S. Oil Co)
Address

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8" 48#	18'	pulled	none
10 3/4" 32#	56'	56'	Size of
8" 25.55#	673'	673'	
7" 23#	1096'	pulled	Depth set
4 1/2" 9.5#	1981'	1981'	
			Perf. top
			Perf. bottom
			Perf. top
			Perf. bottom

Drilling commenced 3-29-65
Drilling completed 4-27-65
Date Shot not shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 63,000 Cu. Ft.
Rock Pressure 235 lbs. 64' hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED not acidized
WELL FRACTURED see attached sheet

CASING CEMENTED SIZE No. Ft. Date
see reverse side
COAL WAS ENCOUNTERED AT none FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT 20/10 M, 3" = 1,565 MCF
ROCK PRESSURE AFTER TREATMENT 120 hours 550# -- 144 hours 550#
Fresh Water 135' Feet. Salt Water _____ Feet.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Clay			0	18			
Sand			18	25			
Red Rock			25	52			
Lime			52	62			
Red Rock			62	122			
Sand			122	170	F. water	135'	1/2-10"blr/hr.
Slate and Shells			170	180			
Red Rock			180	205			
Slate and Shells			205	215			
Sand			215	235			
Red Rock			235	288			
Sand			288	317			
Slate			317	337			
Sand			337	350			
Slate			350	427			
Lime			427	447			
Slate and Red Rock			447	475			
Broken Lime			475	500			
Slate and Shells			500	545			
Pink Rock			545	575			
Slate and Shells			575	648			
Lime			648	670			
Slate and Pink Rock			670	708			
Lime			708	750			
Slate and Shells			750	780			
Pink Rock			780	800			
Slate and Shells			800	820			

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Formation	Color	Hard or Soft	Top 10	Bottom	Oil, Gas or Water	Depth Found	Remarks
Gritty Lime			820	830			
Sand			830	838			
Slate and Shells			858	900			
Sand			900	920			
Slate and Shells			920	970			
Sand			970	1025			
Slate and Shells			1025	1080			
Lime			1080	1090			
Sand			1090	1115			
Lime			1115	1130			
Sand			1130	1157			
Slate			1157	1160			
Sand			1160	1215			
Slate and Shells			1215	1227			
Sand			1227	1237			
Slate and Shells			1237	1275			
Sand			1275	1335			
Slate and Shells			1335	1380			
Sand			1380	1410			
Slate and Shells			1410	1550			
Gritty Lime			1550	1580			
Slate and Shells			1580	1591			
Sand			1591	1605			
Slate and Shells			1605	1688			
Sand			1688	1712			
Break			1712	1719			
Lime			1719	1729			
Blue Monday Sand			1729	1759	Gas	1729-36'	67 MCF
Pencil Cave			1759	1760	Oil	1770'	show
Big Lime			1760	1845			
Keener Sand			1845	1855			
Big Injun			1855	1885	Gas	1858-85'	incr. to 75M
Slate			1885	1890	Oil	1854-57'	light show
Sand			1890	1924	Gas	1915-24'	incr. to 94M
Slate			1924	1969			
Total depth-----				1969' Schl. Meas.			
Schlumberger Log shows:							
Blue Monday			1730	1760			
Big Lime			1764	1830			
Big Injun			1830	1926			
<u>Casing Record</u>							
4-6-65	Set 8-5/8" 28# J-55 casing with shoe at 668'DLM in 20' red mud-not cemented.						
4-10-65	Set 7" 23# J-55 casing with shoe at 1087'DLM in 20' red mud-R/L collar at 987' - not cemented.						
4-27-65	Set 4-1/2" 9.5# J-55 casing at 1969' with shoe. Circulated 70 bbls. mud and cemented with 40 sacks regular cement. Pumped plug to 1937', R/L nipple at 1457'. Centralizers at 1937', 1841; and 1778'. Used 2% Calcium and friction reducer in cementing.						
See additional information on attached sheet.							

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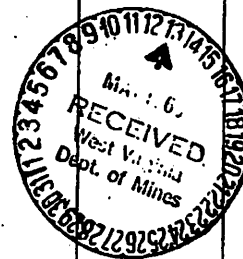
Date _____, 19____

APPROVED _____, Owner

By _____ (Title)

000-1231

Formation	Color	Hard or Soft	Top /OA	Bottom	Oil, Gas or Water	Depth Found	Remarks
Additional information on GW-1534, Lewis Maxwell "B" 24							
4-27-65							Ran Schlumberger Logs: Gamma Ray, Temperature, Caliper, Density and Induction. Schlumberger's total depth 1,969'.
4-30-65							Perforated Big Injun Sand 1860-80', 1885-87', 1898-1900', 1909-11', 1919-22' with 2 jets per foot. Swabbed and bailed dry. Gas gauging 63 MCF- one hour pickup 105#.
5-3-65							FRACTURED THE BIG INJUN 64 hour rock pressure 235#. Fraced the Big Injun Sand with 500 gallons MCA and 2,000 gallons 15% acid. Maximum pressure 1,300#. Used 35 ball sealers. Pumped in 45,000# 20-40 sand and 26,000 gallons water with 130,000 cu. ft. of Nitrogen, 600# of fluid loss additive and 35 gallons of More-flo. Maximum treating pressure 2,750#. Minimum treating pressure 2,575#. Average injection rate 32-1/2 bbls/minute. Dropped in 35 perf balls one half way through Frac Treatment. Pressure raised 50#. Used 648 bbls. of treating and load water. Flowed well back - gas too wet to gauge - estimated making 800 MCF.
Final open flow 5-4-65 20/10 M. 3" = 1,565 MCF							

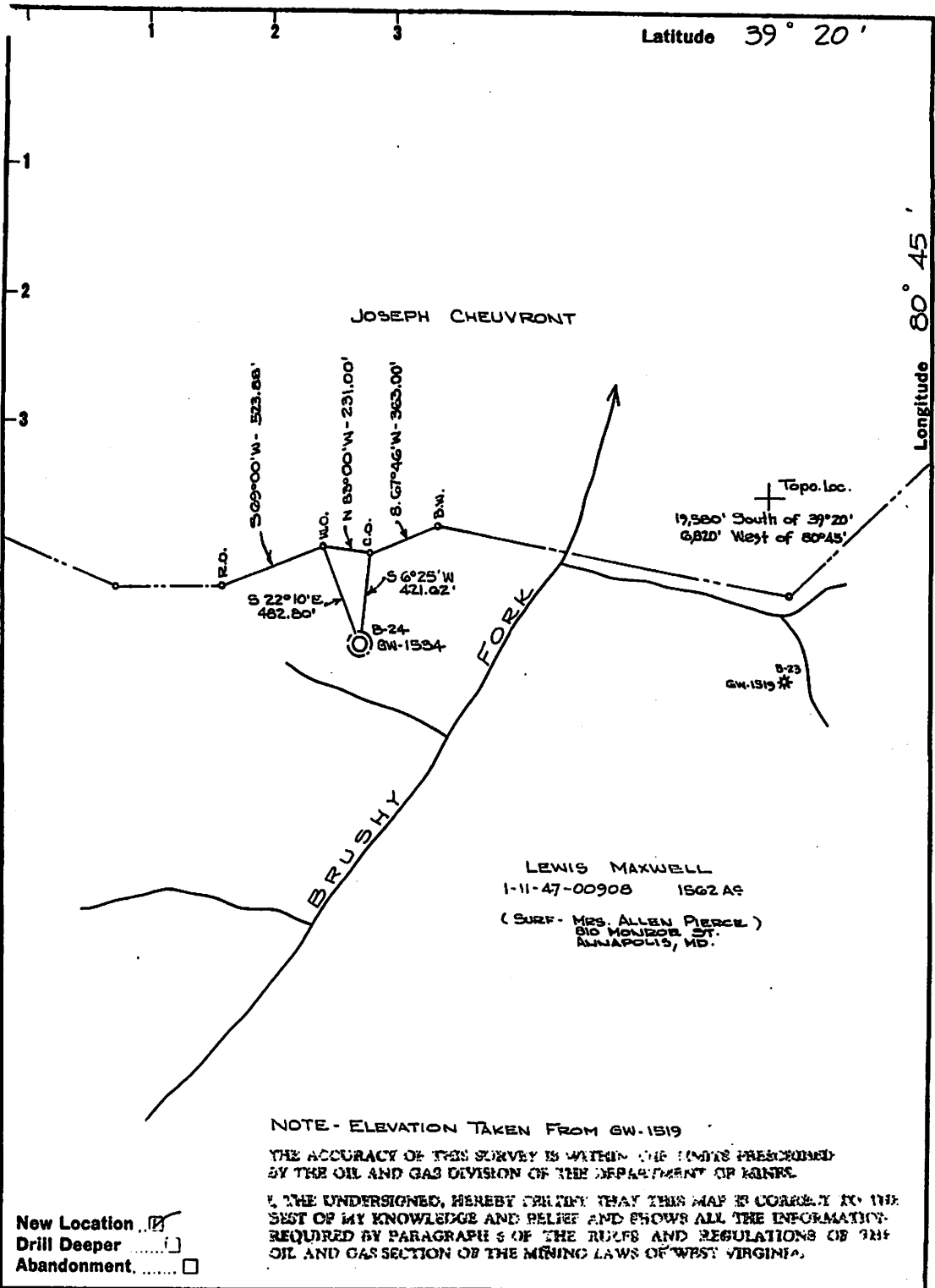


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Date May 12, 19 65

APPROVED Cities Service Oil Company Owner

By L. D. Todd, District Sup't
(Title)



Company CITIES SERVICE OIL COMPANY
 Address Box 873 CHARLESTON, W.VA.
 Farm LEWIS MAXWELL "B"
 Tract _____ Acres 1562 Lease No. 1-11-47-00908
 Well (Farm) No. B-24 Serial No. GW-1534
 Elevation (Spirit Level) 1017.38'
 Quadrangle WEST UNION: 7 S 375 W-131
 County DODDRIDGE District WEST UNION
 Engineer Wendell S. Moore
 Engineer's Registration No. 2113
 File No. _____ Drawing No. W-11-65
 Date 8 MARCH 65 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. D22-1231

+ Denotes location of well on United States Topographic Maps, scale 1 to 62500 latitude and longitude lines being represented by border lines as shown.

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

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1) Date: May 21, 2018
2) Operator's Well Number
129931 Lewis Maxwell B24
3) API Well No.: 47 - 017 - 01231

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>See Attached</u>	Name _____
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
(c) Name _____	Address _____
Address _____	Name _____
6) Inspector <u>Daniel Flack</u>	(c) Coal Lessee with Declaration
Address <u>58 Rive Road</u>	Name _____
<u>Buckhannon WV 26201</u>	Address _____
Telephone <u>304-545-0109</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department 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 *[Signature]*
 Its: Regional Land Supervisor
 Address 2400 Ansys Drive, Suite 200
Canonsburg PA 15317
 Telephone (304) 848-0035

Subscribed and sworn before me this 29 day of May 2018
Rebecca L. Wanstreet Notary Public
 My Commission Expires 4-7-2020

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Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 depprivacyoffier@wv.gov.

47-017-01231

129931 (Lewis Maxwell B24)

Owner(s) (Surface and Access)

Ruth M. Davies Pierce et al
c/o Tom Davies
1104 Greenmont Circle
Vienna WV 26105

E Properties Ltd. (David E. Bowyer)
12088 Middle Island Road
Alma WV 26320

Coal Owner(s):

Lewis Maxwell EST and Mary Maxine Welch
c/o Lewis Maxwell Oil and Gas LLC
P.O. Box 2253
Clarksburg WV 26301

Potential Water Owner(s):

N/A

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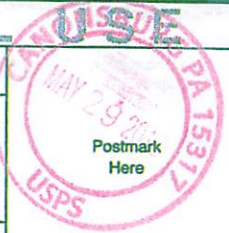
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Postage

To Lewis Maxwell EST and Mary Maxine Welch
 c/o Lewis Maxwell Oil and Gas LLC
 P.O. Box 2253
 Clarksburg WV 26301
 129931 (Lewis Maxwell B24) Plugging Permit

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7015 1730 0000 8189 6884

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Postage

To E Properties Ltd. (David E. Bowyer)
 12088 Middle Island Road
 Alma WV 26320
 129931 (Lewis Maxwell B24) Plugging Permit

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Total
 Sent
 Street Ruth M. Davies Pierce et al
 c/o Tom Davies
 1104 Greenmont Circle
 Vienna WV 26105
 City, 129931 (Lewis Maxwell B24) Plugging Permit

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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EQT Production Company
Attn: Permitting- Rebecca Wanstreet
2400 Ansys Drive - Suite 200
Canonsburg PA 15317

Daniel Flack
58 Rive Road
Buckhannon WV 26201
604983 Rosa B Rymor #4983, 604244 Fl Lodge #4244, 150811
Maxwell A-689, 129931 Lewis Maxwell B24, 129601 A
Maxwell A15, 606097 JI Carr #6092

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041M11270112
ZIP 15317

WW-9
(5/16)

API Number 47 -017 01231
Operator's Well No. I29931 Lewis Maxwell B24

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

Operator Name EQT Production Company OP Code _____

Watershed (HUC 10) Arnolds Creek Quadrangle West Union

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: Formation Fluids

Will a synthetic liner be used in the pit? Yes No If 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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- 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, removed 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 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 Department 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 submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Erin Spine

Company Official Title Regional Land Supervisor

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Subscribed and sworn before me this 29 day of May, 2018

Rebecca L. Wanstreet Notary Public

My commission expires 4-7-2020



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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Proposed Revegetation Treatment: Acres Disturbed 1± Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type (10-20-20) or equivalent

Fertilizer amount 1/3 ton lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Aslike Clover	5	Aslike Clover	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: make every effort to pull all casing

Title: Oil & Gas Inspector Date: 6/4/18

Field Reviewed? Yes No

Topo Quad: West Union 7.5'

Scale: 1" = 400'

County: Doddridge

Date: April 27, 2018

District: West Union

Project No: 67-30-00-08

47-017-01231 WV 129931 (Lewis Maxwell B24)

Topo

Pit Location Map

Existing Well Access Road

9100
47-017-01231
WV 129931

NAD 27, North Zone
N:286305.70
E:1639589.12

WGS 84
LAT:39.279150
LONG:-80.773034
ELEV:998.91

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

2400 Ansys Drive
Canonsburg, PA 15317

Julian
6/17/18

Topo Quad: West Union 7.5'

Scale: 1" = 500'

County: Doddridge

Date: April 27, 2018

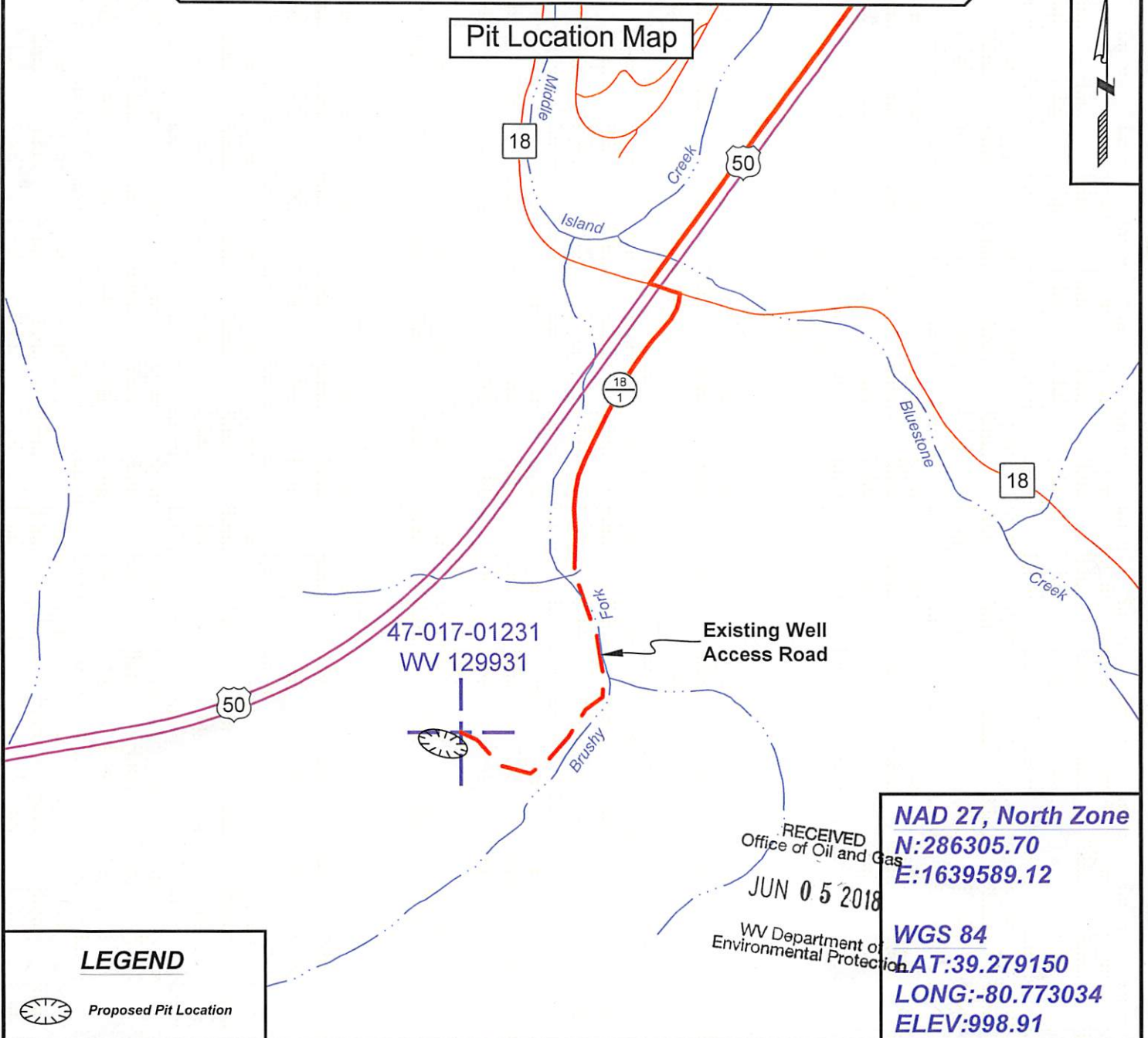
District: West Union

Project No: 67-30-00-08

Highway

47-017-01231 WV 129931 (Lewis Maxwell B24)

Pit Location Map



LEGEND

Proposed Pit Location

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NAD 27, North Zone
N:286305.70
E:1639589.12
WGS 84
LAT:39.279150
LONG:-80.773034
ELEV:998.91



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:

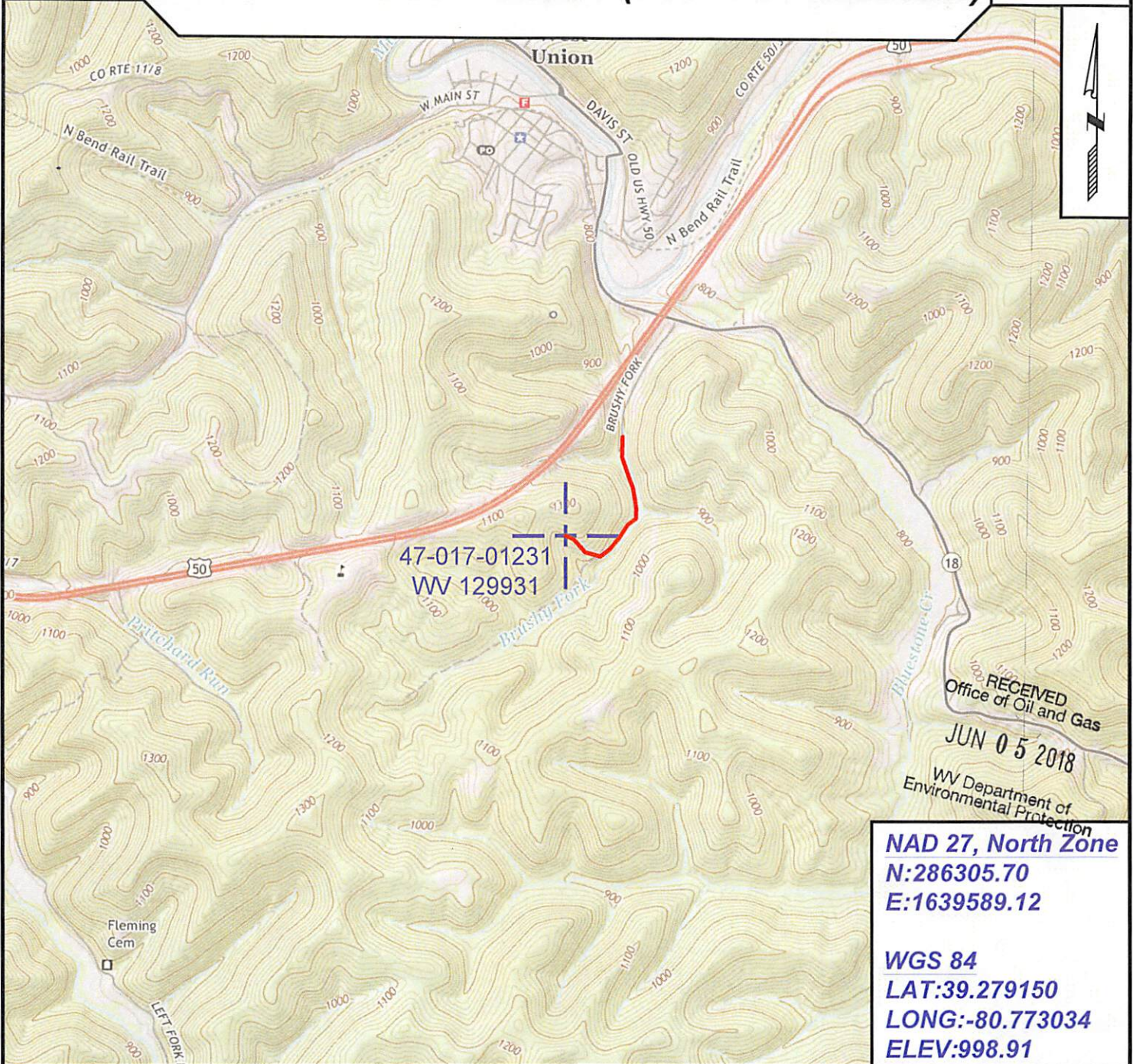
EQT Production Company

2400 Ansys Drive
Canonsburg, PA 15317

Topo Quad: West Union 7.5' Scale: 1" = 2000'
County: Doddridge Date: April 27, 2018
District: West Union Project No: 67-30-00-08

47-017-01231 WV 129931 (Lewis Maxwell B24)

Topo



NAD 27, North Zone
N:286305.70
E:1639589.12

WGS 84
LAT:39.279150
LONG:-80.773034
ELEV:998.91



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

2400 Ansys Drive
Canonsburg, PA 15317

WW-7
8-30-06



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

API: 47-017-01231 WELL NO.: WV 129931 (Lewis Maxwell B24)

FARM NAME: Lewis Maxwell

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Doddridge DISTRICT: West Union

QUADRANGLE: West Union 7.5'

SURFACE OWNER: Ruth M. Davies Pierce, et al.

ROYALTY OWNER: Lewis Maxwell Oil and Gas, LLC, et al.

UTM GPS NORTHING: 4347779

UTM GPS EASTING: 519576 GPS ELEVATION: 304 m (999 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.

Sty Obion
Signature

PS #2180
Title

4/27/18
Date

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Office of Oil and Gas
JUN 05 2018
WV Department of
Environmental Protection



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. Lewis Maxwell B24 - WV 129931 - API No. 47-017-01231

POTENTIAL SAMPLE LOCATIONS

There appears to be no potential water sources within the required 1000 feet of the existing well WV 129931.

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Office of Oil and Gas
JUN 05 2018
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 Road
Alum Creek, WV 25003
phone: 304-756-2949 fax: 304-756-2948

17-01231P

Topo Quad: West Union 7.5' Scale: 1" = 2000'

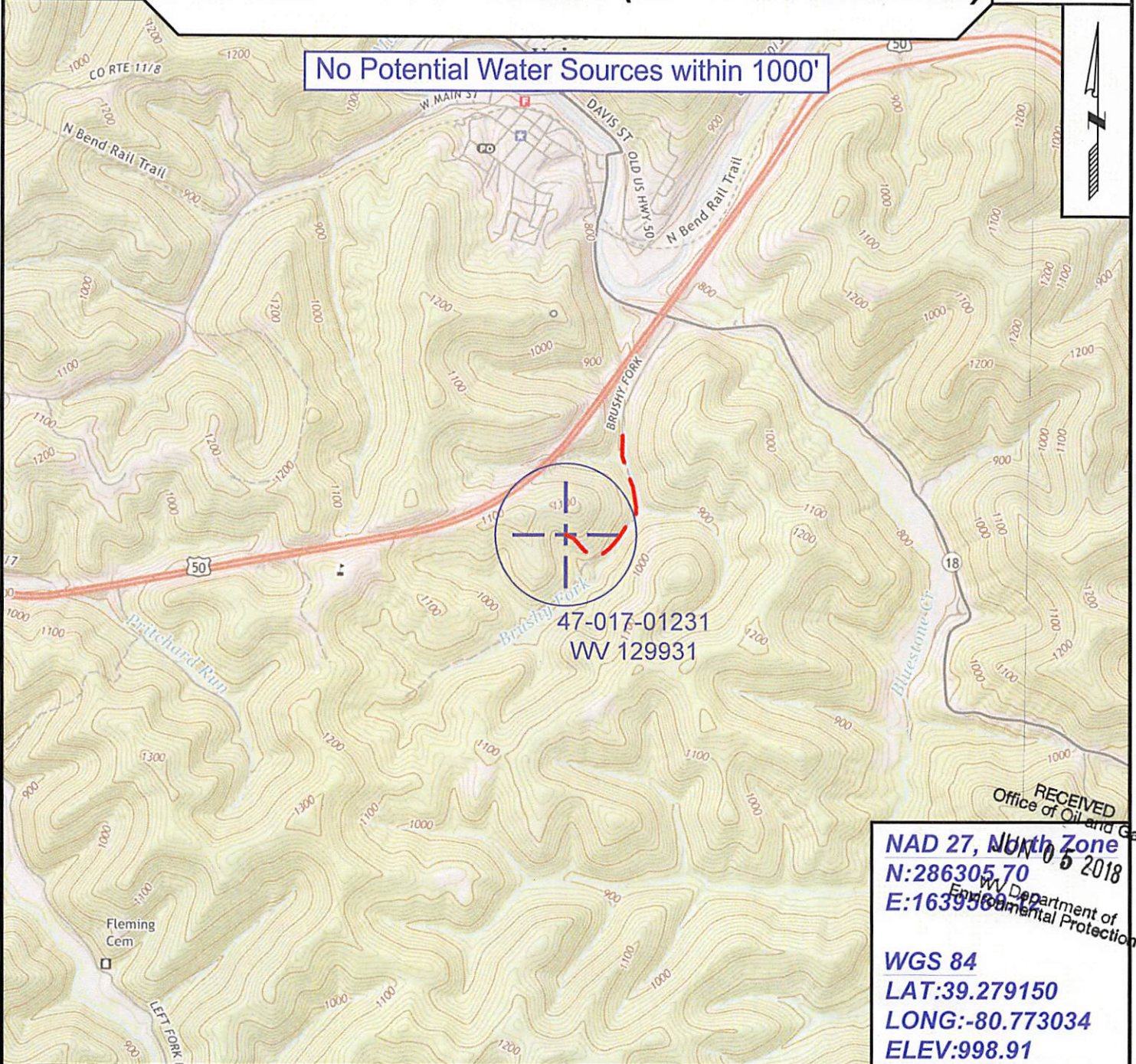
County: Doddridge Date: April 27, 2018

District: West Union Project No: 67-30-00-08

Water

47-017-01231 WV 129931 (Lewis Maxwell B24)

No Potential Water Sources within 1000'



RECEIVED
Office of Oil and Gas

NAD 27, North Zone
N:286305.70
E:163936.01
May 2018
WV Department of Environmental Protection

WGS 84
LAT:39.279150
LONG:-80.773034
ELEV:998.91



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PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

2400 Ansys Drive
Canonsburg, PA 15317



Miss Utility of West Virginia (WV811)

(Exhibit A)

Directions to Gas Well No. WV 129931

API No. 47-017-01231

- Beginning at the intersection of US Interstate 79 Exit 119 (Clarksburg/Bridgeport) and US Route 50 in Harrison County, WV.
- Proceed West on US Route 50, for approximately 28.9 miles, to WV State Route 18, on the left. *(Point No. 1)*
- Turn left onto WV State Route 50 and proceed Southeast, for approximately 226 feet, to WV County Route 18/1, on the right. *(Point No. 2)*
- Turn right onto WV County Route 18/1 and proceed Southwest, for approximately 0.4 mile, to the Well Access Road, straight ahead. *(Point No. 3)*
- Continue straight and Southwest onto the Well Access Road, for approximately 0.48 mile, arriving at Gas Well WV 129931. *(Point No. 4)*

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

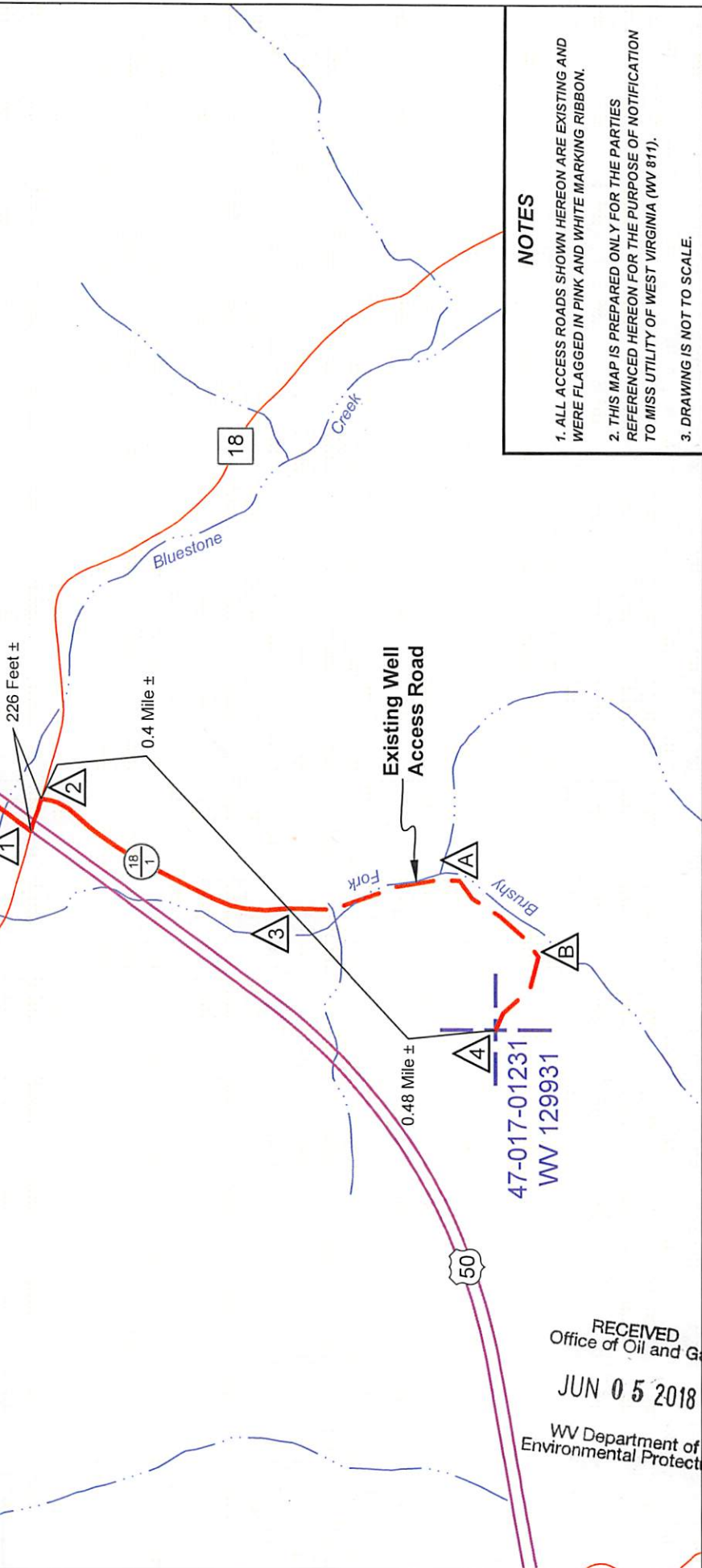
P.O. Box 108 • 1413 Childress Road
Alum Creek, WV 25003

phone: 304-756-2949 fax: 304-756-2948



**MISS UTILITY OF WEST VIRGINIA (WV 811)
(EXHIBIT B)
DIRECTIONS TO EXISTING GAS WELL NO. WV 129931
API NO. 47-017-01231**

SITE	LATITUDE	LONGITUDE
1	39.287786	-80.768512
2	39.287606	-80.767749
3	39.283012	-80.770258
4	39.279150	-80.773034
A	39.279856	-80.769538
B	39.278382	-80.771298



NOTES

1. ALL ACCESS ROADS SHOWN HEREON ARE EXISTING AND WERE FLAGGED IN PINK AND WHITE MARKING RIBBON.
2. THIS MAP IS PREPARED ONLY FOR THE PARTIES REFERENCED HEREON FOR THE PURPOSE OF NOTIFICATION TO MISS UTILITY OF WEST VIRGINIA (WV 811).
3. DRAWING IS NOT TO SCALE.

RECEIVED
Office of Oil and Gas
JUN 05 2018
WV Department of
Environmental Protection

ALLEGHENY SURVEYS, INC.
1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

SURVEYING AND MAPPING SERVICES PERFORMED BY:

PREPARED FOR:
EQT Production Company
2400 Ansys Drive
Canonsburg, PA 15317

County: Doddridge
District: West Union
Date: April 27, 2018
Project No: 67-30-00-08
File Name: WV 129931 MAXWELL