



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

Thursday, October 11, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 8184
47-033-00359-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: 8184
Farm Name: McKINLEY, J. W.
U.S. WELL NUMBER: 47-033-00359-00-00
Vertical Plugging
Date Issued: 10/11/2018

I

47-033-00359A

10/12/2018

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.

WW-4B
Rev. 2/01

1) Date September 17, 2018
2) Operator's
Well No. 151281 John W McKinley #8184
3) API Well No. 47-033-00359

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 1086 Watershed Big Buffalo
District Union County Harrison Quadrangle West Milford

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 Name Sam Ward
Address PO Box 2327
Buckhannon WV 26201
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.

CK # 24974
9-19-18
\$100/400

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

Work order approved by inspector Sepher Date 10/4/18

PLUGGING PROGNOS

151281
 J.W.McKinley
 API# 47-033-00359 DD
 District. Union
 Harrison County, WV

BY: R Green
 DATE: 12/11/17

CURRENT STATUS:**TD @ 3232'****Elevation @ 1081'****Drilled deeper from 1928' to 3232' in 1964**

10" Casing @ 170'
 8 1/4" casing @ 1021'
 6 5/8" casing @ 1401'
 5 3/16" casing @ 2087'
 3" tubing @ 3232'

Fresh Water @ None Reported
Saltwater @ None Reported
Oil Show @ None Reported
Gas shows @ 1898' & 3160'
Coal @ None Reported
Perforations @ No perf record

SDW
 10/4/2018

1. Notify inspector, Sam Ward @ 304-389-7583, 24 hrs. prior to commencing operations.
2. Check TD @ or below, 3200'.
3. TIH spot 35 bbl. of 6% gelled water followed by a 300' C1A cement plug 3200' to 2900' (Ball Town). WOC 8 hrs. Tag TOC add additional C1A cement if necessary.
4. Free point 3" tubing, cut 3" tubing @ free point. TOOH 3" tubing.
5. Set 100' C1A cement plug 50' in/out of tubing cut. Perforate all freshwater, saltwater, coal. Oil and gas shows below cut. Do not omit any plugs.
6. TOOH to 2150', set 200' C1A cement plug, 2150' to 1950'. (5 3/16" casing seat).
7. Free point 5 3/16" casing, cut 5 3/16" casing @ free point. TOOH 5 3/16" casing.
8. 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.
9. TOOH to 1500' set a 200' C1A cement plug, 1500' to 1300'. (6 5/8" casing seat).
10. Free point 6 5/8" casing, cut 6 5/8" casing @ free point. TOOH 6 5/8" casing.
11. 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.
12. TOOH to 1150' set a 200' C1A cement plug, 1150' to 950' (Elevation & 8 1/4" casing seat).
13. Free point 8 1/4" casing, cut 8 1/4" casing @ free point. TOOH 8 1/4" 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.

15. TOOH to 400' set a 300' CIA cement plug, 400' to 100', (10" casing seat).
16. Free point 10" casing, cut 10" casing @ free point. TOOH 10" casing.
17. Set 100' CIA cement plug 50' in casing cut to surface. Perforate all freshwater, saltwater, coal. Oil and gas shows below cut. Do not omit any plugs.
18. * Note if unable to cut and pull 10" casing, TIH and perforate 10" casing with 4 holes each @ 100', 75. TIH and set a 100' CIA cement plug 100' to surface.
19. Erect monument with API#, date plugged, & company name.
20. Reclaim location and road to WV-DEP specifications.



47-033-00359P
10/12/2018

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Weston

Permit No. 359

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address 445 W. Main Street, Clarksburg, W. Va.
Farm John W. McKinley Acres 180

Location (waters) _____
Well No. 8184 Elev. _____
District Union County Harrison

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by _____
Address _____

Drilling commenced 7-23-15

Drilling completed 9-3-15

Date Shot Not shot From _____ To _____

With _____

Open Flow /10ths Water in _____ Inch

/10ths Merc. in _____ Inch

Volume gas exhausted Cu. Ft.

Rock Pressure none taken lbs. _____ hrs.

Oil none bbls., 1st 24 hrs.

WELL ACIDIZED Not acidized

WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10	170'	170'	Size of
8 1/4	1021'	1021'	
6 3/4	1401'	1401'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
No cementing done

COAL WAS ENCOUNTERED AT NONE FEET _____ INCHES _____
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water None recorded Feet _____ Salt Water None recorded Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Gas Sand			510	535			
First Salt			665	700			
Second Salt			725	820			
Maxon			1020	1130			
Little Lime			1280	1294			
Pencil Cave			1294	1318			
Big Lime			1318	1360			
Big Injun			1360	1490			
Squaw			1495	1575			
Berea			NONE				
Fifty Foot			1800	1830			
Thirty Foot			1897	1924	Gas	1898	
Total Depth				1924			



August 7, 1964
Hope Natural Gas Company
Wade P. Phillips
Wade P. Phillips

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle WESTON

WELL RECORD

Permit No. HAR-359-D

Oil or Gas Well Gas

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm J. W. McKinley Acres 181
Location (waters) _____
Well No. 8184 Elev. 1081
District Union County Harrison
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 8-24-64
Drilling completed 8-28-64
Date Shot Not shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 70 M Cu. Ft.
Rock Pressure 820 lbs. 24 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED 9-9-64

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8 3/4			Depth set
6 3/4	<u>1401</u>	<u>1401</u>	
5 3/16	<u>2087</u>	<u>2087</u>	
3	<u>3232</u>	<u>3232</u>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

No cementing

COAL WAS ENCOUNTERED AT None FEET _____ INCHES _____

FEET _____ INCHES _____ FEET _____ INCHES _____

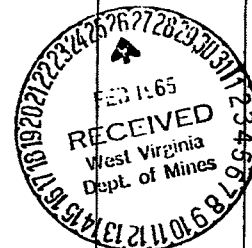
FEET _____ INCHES _____ FEET _____ INCHES _____

RESULT AFTER TREATMENT 1,212 M 884 bbls water and 80,000# sand

ROCK PRESSURE AFTER TREATMENT 850# in 14 days

Fresh Water None Feet _____ Salt Water None Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Started drilling at				2938			
Ball town			3160	3200	Gas	3165	
T. D.				3232'			



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February 25, 1965
Jack Bailey
H. N. G. Co.



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Well Pad Site Pictures
John W. McKinley #8184
WV 151281 47-033-00359



WV 151281 McKinley #8184 Well Sign



WV 151281 McKinley #8184 Wellhead



WV 151281 McKinley #8184 Well Pad Site



WV 151281 McKinley #8184 Wellhead

BIRCH RIVER OFFICE

237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606 fax: 304-649-8608

BRIDGEPORT OFFICE

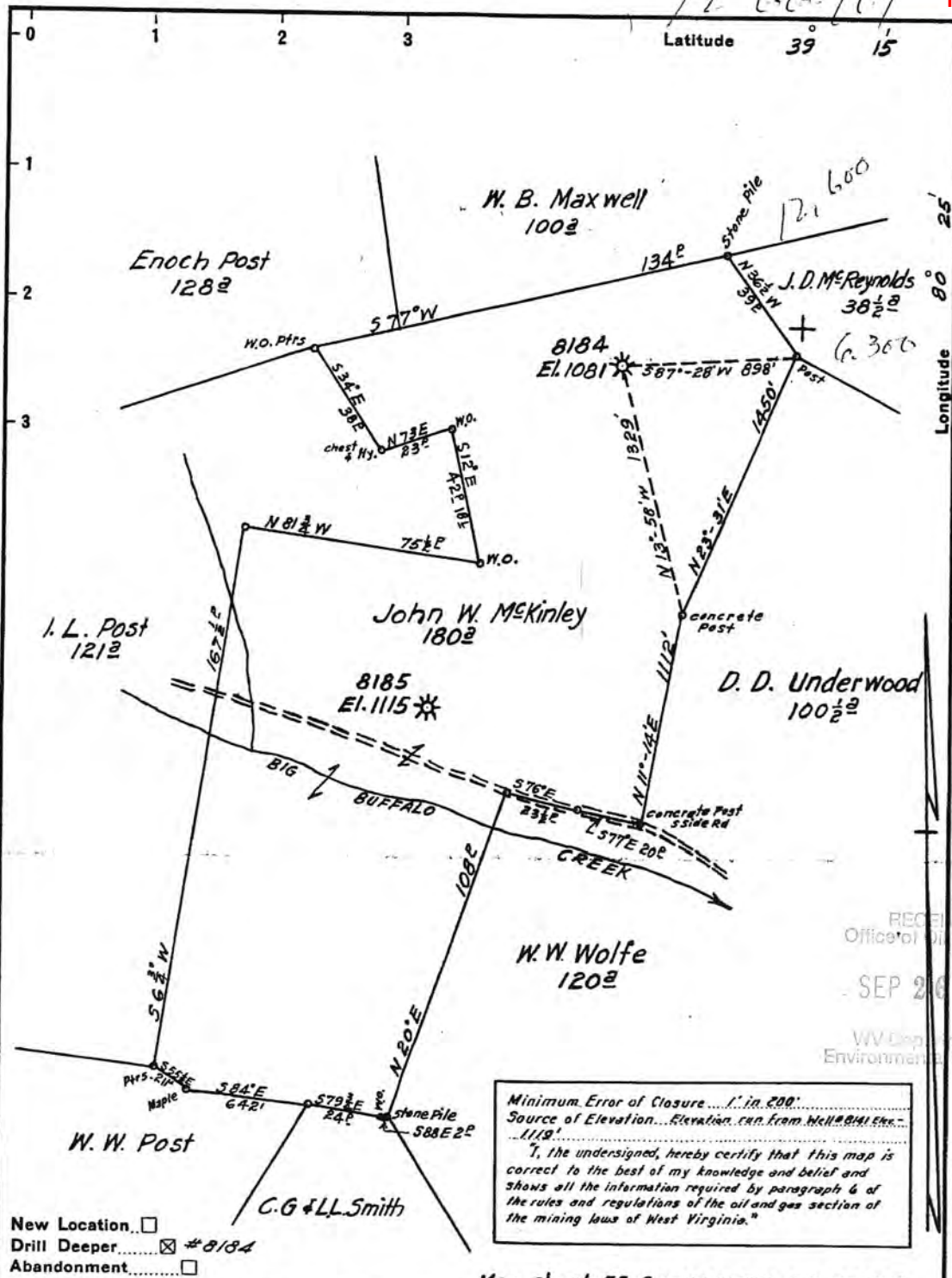
172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035 fax: 304-848-5037

CHARLESTON OFFICE

301 RHL Boulevard - Suite 5
Charleston, WV 25309
phone: 304-756-2949 fax: 304-756-2948

12 66-119

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WV Department of Environmental Protection

Minimum Error of Closure... 1" in 200'
Source of Elevation... Elevation cap. from Well @ BM 1112
I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

New Location
Drill Deeper # 8184
Abandonment

Map sheet 55-Square 51E9 FB. 730 P13

Company Hope Natural Gas Co.
 Address Clarksburg W.Va.
 Farm John W. McKinley
 Tract Acres 180 Lease No. 52940
 Well (Farm) No. _____ Serial No. 8184
 Elevation (Spirit Level) 1081'
 Quadrangle Weston
 County Harrison District Union
 Engineer Guy H. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date 8-19-64 Scale 1" = 40'

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

WELL LOCATION MAP
 FILE NO. HAR-359-D

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

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

WW-4A
Revised 6-07

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Office of Oil and Gas

SEP 26 2018

Department of
Environmental Protection

1) Date: September 17 2018

2) Operator's Well Number
151281 John W McKinley #8184

3) API Well No.: 47 - 033 - 00359

**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 _____
Address _____	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 2327</u>	Name _____
<u>Buckhannon WV 26201</u>	Address _____
Telephone <u>304-389-7583</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 

Its: Regional Land Supervisor

Address 2400 Ansys Drive, Suite 200
Canonsburg PA 15317

Telephone (304) 848-0035

Subscribed and sworn before me this 17th day of September 2018

Rebecca L. Wanstreet Notary Public

My Commission Expires 4-7-2020

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 depprivacyofficer@wv.gov.

10/12/2018

47-033-00359

151281 John W McKinley #8184

Owner(s) (Surface and Access)

Jan Marie Ashcraft
2054 Buffalo Creek Rd.
Lost Creek WV 26385

John Ashcraft
6567 Huntsman Ln.
Marshall VA 20115

Coal Owner(s):

Jan Marie Ashcraft
2054 Buffalo Creek Rd.
Lost Creek WV 26385

John Ashcraft
6567 Huntsman Ln.
Marshall VA 20115

Ruth Ann Aguilar
PO Box 425
Hanna WY 82327

Patricia M Wagner
925 Maple Ave
West Milford WV 26451

Potential Water Owner(s):

N/A

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WW-9
(5/16)

API Number 47 - 033 - 00359
Operator's Well No. 151281 John W McKinley #8184

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 306686

Watershed (IIUC 10) Big Buffalo Quadrangle West Milford

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 _____)

*SDW
10/4/2018*

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, 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

Subscribed and sworn before me this 17th day of September, 2018

[Signature]

Notary Public

My commission expires 4-7-2020



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: S. D. Wansell

Comments: _____

Title: OGG Inspector Date: 10/14/2015

Field Reviewed? () Yes (X) No

47-033-00359
10/12/2018

Topo Quad: West Milford 7.5'	Scale: 1" = 500'
County: Harrison	Date: September 10, 2018
District: Union	Project No: 70-36-00-08

Highway **47-033-00359 WV 151281 (John W. McKinley #8184)**

Pit Location Map




47-033-00359
WV 151281

Existing Well
Access Road

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SEP 26 2018
WV Department of
Environmental Protection

NAD 27, North Zone
N:262,988.31
E:1,733,577.48
WGS 84
LAT:39.218320
LONG:-80.440160
ELEV:1086.08'

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

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

47-033-00359A

10/12/2018

Topo Quad: West Milford 7.5'

Scale: 1" = 400'

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Office of Oil and Gas

County: Harrison

Date: September 10, 2018

SEP 26 2018

District: Union

Project No: 70-36-00-08

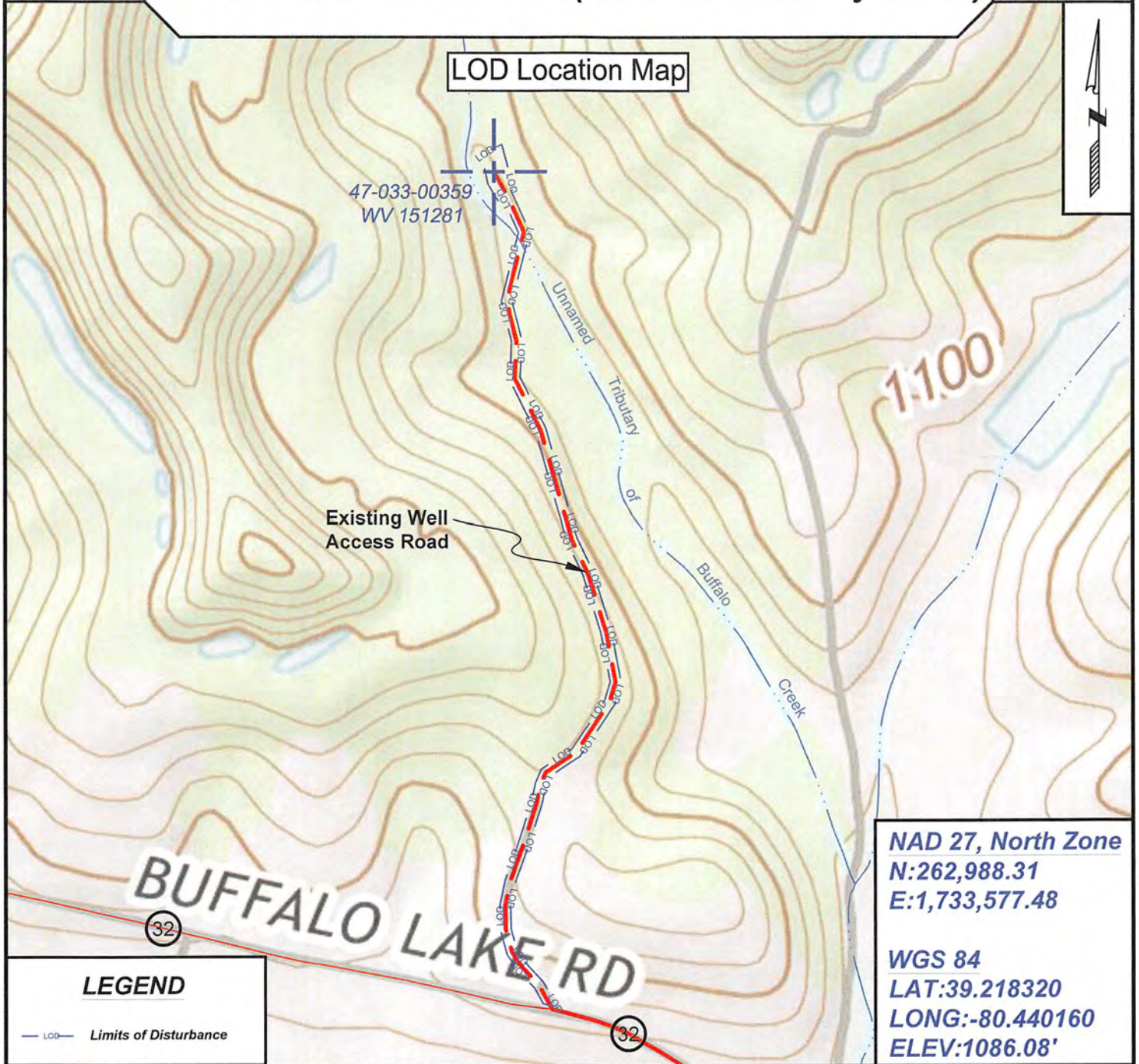
WV Department of
Environmental Protection

47-033-00359 WV 151281 (John W. McKinley #8184)

LOD Location Map

47-033-00359
WV 151281

Existing Well
Access Road



NAD 27, North Zone
N:262,988.31
E:1,733,577.48

WGS 84
LAT:39.218320
LONG:-80.440160
ELEV:1086.08'

LEGEND

— LOD — Limits of Disturbance



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

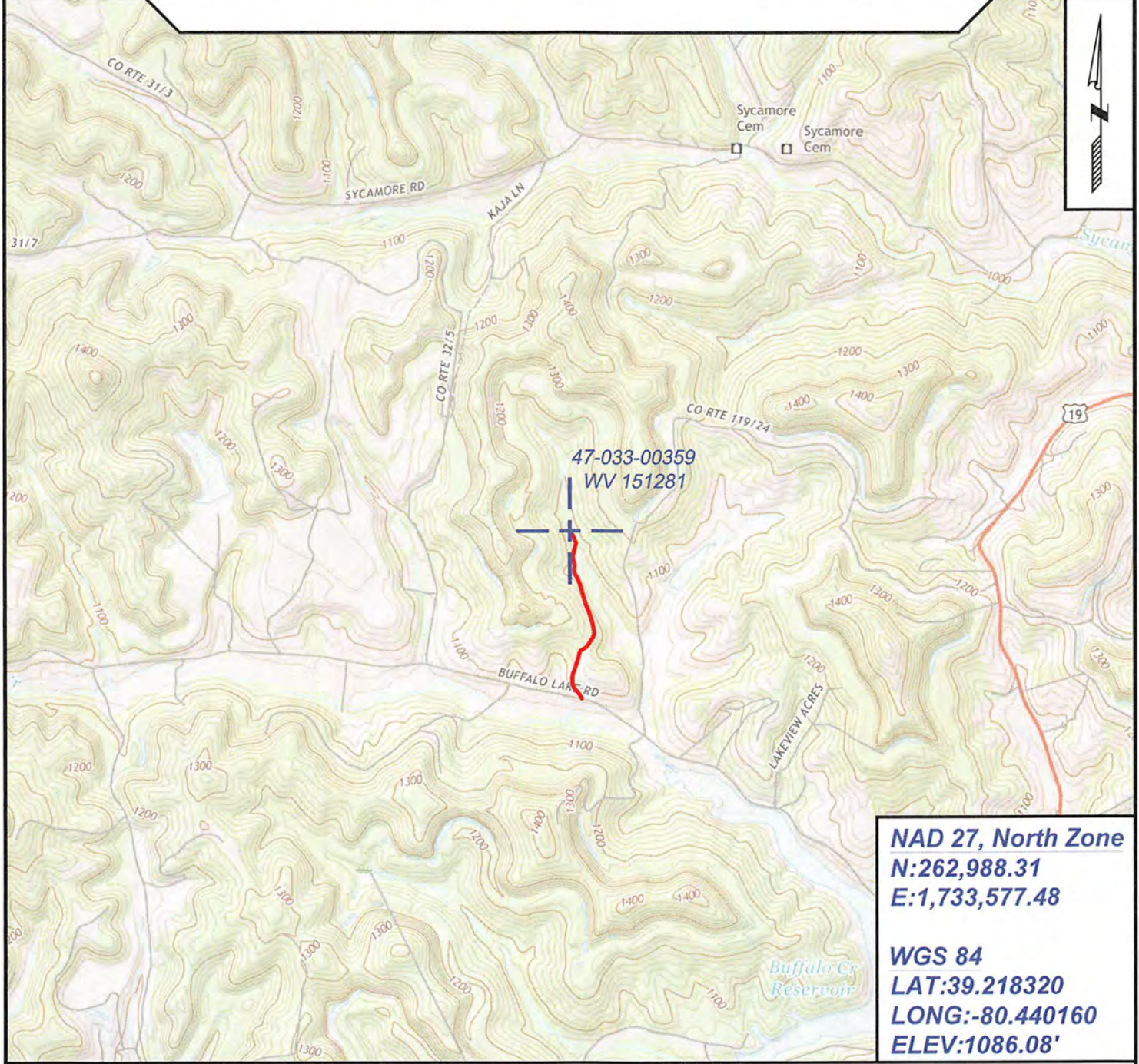
10/12/2018
Office of Oil and Gas
SEP 26 2018
WV Department of Environmental Protection

Topo Quad: West Milford 7.5'
County: Harrison
District: Union

Scale: 1" = 2000'
Date: September 10, 2018
Project No: 70-36-00-08

47-033-00359 WV 151281 (John W. McKinley #8184)

Topo



NAD 27, North Zone
N:262,988.31
E:1,733,577.48

WGS 84
LAT:39.218320
LONG:-80.440160
ELEV:1086.08'



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: 47-033-00359 WELL NO.: WV 151281 (John W. McKinley #8184)

FARM NAME: John W. McKinley

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Harrison DISTRICT: Union

QUADRANGLE: West Milford 7.5'

SURFACE OWNER: Jan Marie Ashcraft

ROYALTY OWNER: Misha Denham, et al.

UTM GPS NORTHING: 4341154

UTM GPS EASTING: 548328 GPS ELEVATION: 331 m (1086 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

9/10/18
Date

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WV Department of
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