



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, October 2, 2023
WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

EQT CHAP LLC
625 LIBERTY AVE
SUITE 1700
PITTSBURGH, PA 15222

Re: Permit approval for BERGER 7H
47-051-01726-00-00

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

A blue ink signature of James A. Martin, Chief, is written over the text of his name and title.

Operator's Well Number:
Farm Name: BERGER, GARY & LINDA
U.S. WELL NUMBER: 47-051-01726-00-00
Horizontal 6A Plugging
Date Issued: 10/2/2023

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. 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.

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 1,285' Watershed Grave Creek
District Clay County Marshall Quadrangle Powhatan Point 7.5'
- 6) Well Operator EQT F. CHAP LLC 7) Designated Agent Joseph C. Mallow
Address 400 Woodcliff Drive Address 427 Midstate Drive
Canonsburg PA 15317 Clarksburg, WV 26301
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Strader Gower Name R&J
Address 2525 West Alexander Rd Address 1087 Raccoon Road
Valley Grove, WV 26060 Hueysville, KY 41640

-
- 10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

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

Work order approved by inspector Strader Gower Date 09/05/2023

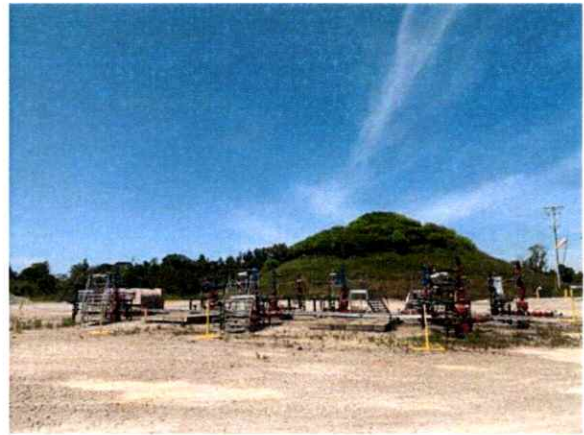
10/06/2023



Site Pictures
Berger A 7H
47-051-01726



Berger A 7H Well Pad Site



Berger A 7H Well Pad Site



Berger A 7H Well Pad Site



Berger A 7H Well Pad Site

RECEIVED
Office of Oil and Gas

SEP 07 2023

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

CHARLESTON OFFICE

301 RHL Boulevard - Suite 5
Charleston, WV 25309

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



Berger A 7H Well Pad Site



Berger A 7H Well Pad Site

RECEIVED
Office of Oil and Gas

SEP 07 2023

WV Department of
Environmental Protection

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-051-01726 County Marshall District Clay
Quad Powhatan Pad Name Berger Pad A Field/Pool Name _____
Farm name Berger Well Number Berger 7H
Operator (as registered with the OOG) Chevron Appalachia, LLC
Address 800 Mountain View Drive City Smithfield State PA Zip 15478

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing _____ Easting _____
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1292 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s) _____

RECEIVED
Office of Oil and Gas

SEP 07 2023

WV Department of
Environmental Protection

Date permit issued 5/27/2014 Date drilling commenced 6/30/2014 Date drilling ceased 5/31/2015
Date completion activities began _____ Date completion activities ceased _____
Verbal plugging (Y/N) Y Date permission granted 5/28/2015 Granted by Jim Nicholson

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 169 Open mine(s) (Y/N) depths N
Salt water depth(s) ft _____ Void(s) encountered (Y/N) depths N
Coal depth(s) ft 768'-769', 784'-785', 830'-837', 1411'-1413', 1415'-1418' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) no but not sealed

RECEIVED
Office of Oil and Gas

Reviewed by: _____

OCT 02 2019

10/06/2023

WV Department of

API 47- 051 - 01726

Farm name Berger

Well number Berger 7H

PRODUCING FORMATION(S)

DEPTHS

	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

RECEIVED
Office of Oil and Gas

Please insert additional pages as applicable.

SEP 07 2023

GAS TEST Build up Drawdown Open Flow

OIL TEST Flow Pump

WV Department of
Environmental Protection

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi

DURATION OF TEST _____ hrs

OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd

GAS MEASURED BY
 Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	0		0		
Dunkard Group Sand	160	169	160	169	Fresh Water 169' MD 1" stream
Pittsburgh Coal	830	837	830	837	Coal
Salt Sand	1538	1568	1540	1570	Gas Show @ 1550' 6101 units
Big Lime	1848	1928	1850	1930	Limestone: crm-wh, hd, crpxln
Burpoon (Big Injun)	1927	2117	1930	2120	SS: offwh, wh, cons, cr, trans, lccmt, fg-mg
Weir Sand	2277	2297	2280	2300	SLTST: kg-y-mgy, occ mgy, hrd, vf-fg, lccmt, blo, arg, sl calc
Berea Sand	2507	2530	2510	2533	sl: wh, cr, trans, kg-y-gy, cons, lccmt, mg-fg, shamp-ang, exp, wmpth, non calc, tr flwr, and test cut, fld odr, lss pyr

Please insert additional pages as applicable.

Drilling Contractor SEE ATTACHED
Address _____ City _____ State _____ Zip _____

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company _____
Address _____ City _____ State _____ Zip _____

Stimulating Company _____
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Jackie M. Scholar / Nicholas Staffieri Telephone 724.564.3721 / 724.564.3715
Signature [Signature] Title Regulatory Compliance Team Lead Date 6/18/2015

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

Berger A 7H
Marshall Co., WV
HZ Utica well
API # 47-051-01726

DATE: 3/28/2023

CURRENT STATUS: (All Depths Based off GL)

30" conductor @ 48' Cemented to Surface
20" surface @ 298' Cemented to Surface
13 3/8" intermediate casing 1 @ 2,679.0' Cemented to Surface

PLUG:

Bridge 1 (permanent) 1,418' - 1,420'

Total Depth : 2,692'

TVD: 2,687.9'

Well is DUC currently Shut-in

Production Casing: 0 psi

Production Annulus: 0 psi

Intermediate Annulus: 0 psi

Marcellus – 6357' -6456'

Utica - 11, 320' -11,679'

Elevation: 1,292'

Water 1: 169'

Coal 1: 768-769', 784-785', 830-837', 1411-1413', 1415-1418'

Brine Water: NA

Oil: NA

Gas: 1540-1570'

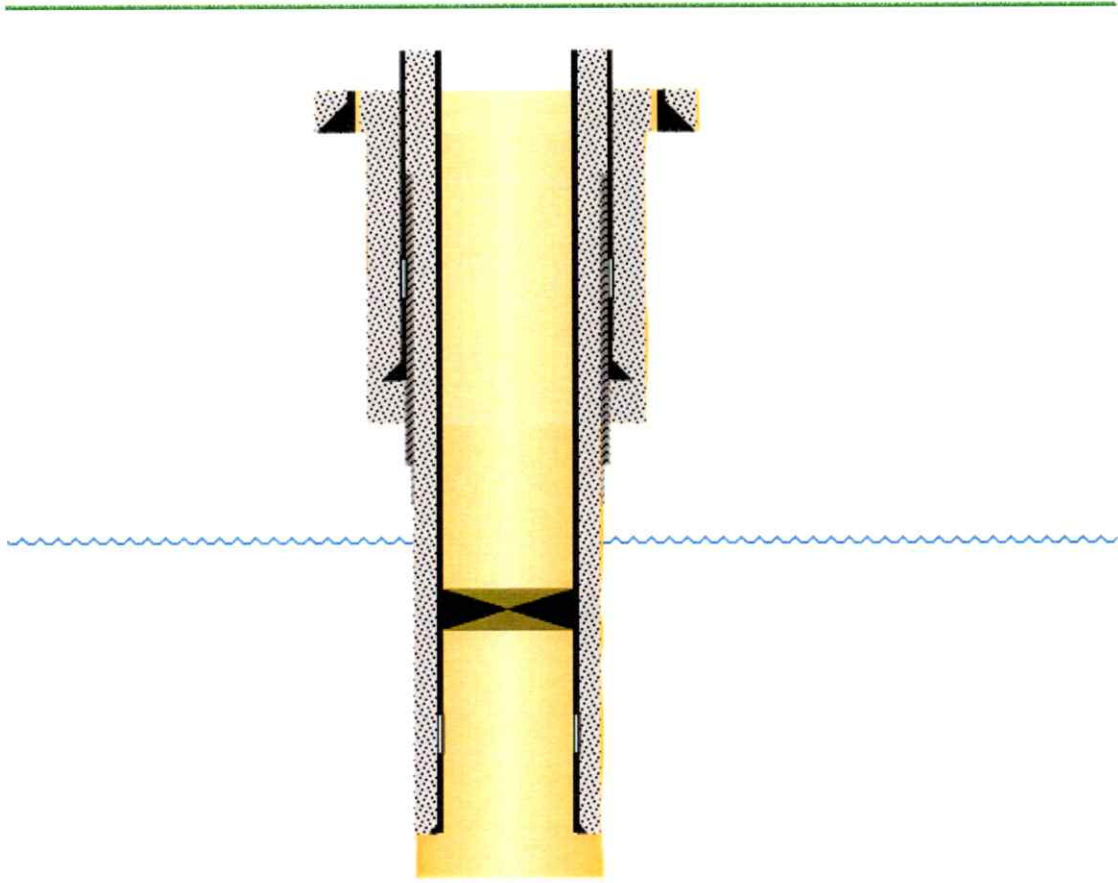
1. Notify Inspectors Strader Gower (304) 993 6188 prior to beginning operations.
2. Check and record pressure on all casing, notify engineer of recorded pressure.
3. Blow well down and/or kill if necessary.
4. Load well with Fresh Water.
5. RIH with segmented bond log and pull log to surface.
6. TIH w/tubing to 2687' set Class A or CL cement plug from 2687' to 2579' (13 3/8' casing set depth).
7. TIH with tubing to cement plug and pump 6% gel to 1570'
8. TIH w/tubing to 1570' set Class A or CL cement plug from 1570' to 1190' (covers Elevation depth and all gas shows, part of the coal shows).
9. TIH with tubing to cement plug and pump 6% gel to 905'
10. TIH w/tubing to 905' set Class A or CL cement plug from 905' to 700' (part of the coal shows).
11. TIH with tubing to cement plug and pump 6% gel to 350'
12. TIH w/tubing to 350' set Class A or CL cement plug from 350' to surface (covers surface plug, fresh water show, 200' surface casing set depth).
13. Remove any surface wellhead equipment.
14. Cut, weld and cap well. Install 6" monument or greater per DEP regulation.

RECEIVED
Office of Oil and Gas

SEP 07 2023

WV Department of
Environmental Protection

10/06/2023



RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

10/06/2023

1) Date: September 5, 2023
2) Operator's Well Number
Berger A 7H
3) API Well No.: 47 - 051 - 01726

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 Attachment</u>	Name <u>See Attachment</u>
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attachment</u>
(c) Name _____	Address _____
Address _____	Name _____
6) Inspector <u>Strader Gower</u>	5) (c) Coal Lessee with Declaration
Address <u>2525 West Alexander Rd</u>	Name _____
<u>Valley Grove, WV 26060</u>	Address _____
Telephone <u>304-993-6188</u>	

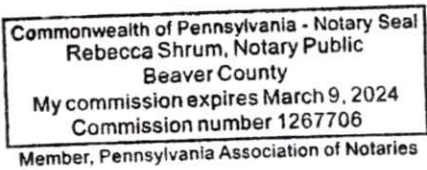
RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

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: Manager - Subsurface Permitting
 Address 400 Woodcliff Drive
Canonsburg PA 15317
 Telephone (724) 271-7380

Subscribed and sworn before me this 5th day of September 2023
Rebecca Shrum Notary Public
My Commission Expires March 9, 2024

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.

10/06/2023



August 29, 2023

Mr. Taylor Brewer
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

RECEIVED
Office of Oil and Gas

SEP 07 2023

WV Department of
Environmental Protection

Re: Class L Cement Variance Request
Berger A 7H Well
Permit Number 47-051-01726
Clay District, Marshall County

Dear Mr. Brewer,

EQT Production Company (EQT) has been notified by our cement providers that they will no longer be providing Class A cement. As a result of this, EQT is requesting the option to utilize Class L cement, if necessary, in place of Class A cement for its cement jobs.

The variance request from Legislative Rule 35CSR4 Section 11.5, related to the use of Class L Cement, was approved by the Office of Oil and Gas on September 13, 2022. A copy of the variance is included with this request.

If you have any questions, please do not hesitate to contact me at 724-746-9073.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Zavatchan'.

John Zavatchan
Project Specialist - Permitting

Enc.

10/06/2023



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4)
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-13

RECEIVED
Office of Oil and Gas

SEP 07 2023

WV Department of
Environmental Protection

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

FINDINGS OF FACT

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

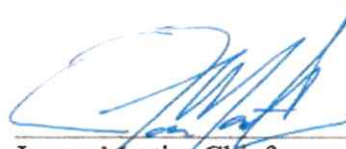
RECEIVED
Office of Oil and Gas

SEP 07 2023

WV Department of
Environmental Protection

IN THE NAME OF THE STATE OF WEST VIRGINIA

OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OF THE STATE OF WEST VIRGINIA



James Martin, Chief
Office of Oil and Gas

10/06/2023

**Berger A 3H & 7H
WW-4A Attachment**

Surface Owner(s):

The Berger Family LLC
157 Richmond Lane
Glen Easton, WV 26039

Coal Owner(s):

Consol Mining Company LLC
275 Technology Drive, Suite 101
Canonsburg, PA 15317-9565

Coal Operator(s):

Marshall County Coal Company
46226 National Rd
Saint Clairsville, OH 43950-8742

Consolidation Coal Company
275 Technology Drive, Suite 101
Canonsburg, PA 15317

RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

10/06/2023

7021 2720 0000 9233 0927

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.35
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.55
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 3.51
Total Postage and F	\$ 11.41

Sent To
Street and Apt. No.
City, State, ZIP+4®

THE BERGER FAMILY LLC
157 RICHMOND LANE
GLEN EASTON, WV 26039

296-17 BERGER 3H & 7H - 4A & 4B NOTIFICATIONS

PS Form 3800, Apr 2019

7021 2720 0000 9233 0910

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.35
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 4.35
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 3.51
Total Postage and F	\$ 11.41

Sent To
Street and Apt. No.
City, State, ZIP+4®

CONSOL MINING COMPANY LLC
275 TECHNOLOGY DRIVE, SUITE 101
CANONSBURG, PA 15317-9565

296-17 BERGER 3H & 7H - 4A & 4B NOTIFICATIONS

PS Form 3800, Apr 2019

7021 2720 0000 9233 1108

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.35
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.55
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 3.51
Total Postage and F	\$ 11.41

Sent To
Street and Apt. No.,
City, State, ZIP+4®

MARSHALL COUNTY COAL COMPANY
46226 NATIONAL RD
SAINT CLAIRSVILLE, OH 43950-8742

296-17 BERGER 3H & 7H - 4A & 4B NOTIFICATIONS

PS Form 3800, Apr 2019

7021 2720 0000 9233 0996

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$ 4.35
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.55
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 3.51
Total Postage and F	\$ 11.41

Sent To
Street and Apt. No.,
City, State, ZIP+4®

CONSOLIDATION COAL COMPANY
275 TECHNOLOGY DRIVE, SUITE 101
CANONSBURG, PA 15317

296-17 BERGER 3H & 7H - 4A & 4B NOTIFICATIONS

PS Form 3800, Apr 2019

RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

10/06/2023

WW-9
(5/16)

API Number 47 - 051 - 01726
Operator's Well No. Berger A 7H

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 (HUC 10) Grave Creek Quadrangle Powhatan Point 7.5'

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: _____

Will a synthetic liner be used in the pit? Yes No If so, what 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? _____

RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

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.

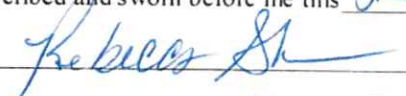
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 

Company Official (Typed Name) Erin Spine

Company Official Title Manager - Subsurface Permitting

Subscribed and sworn before me this 5th day of September, 20 23

 Notary Public

My commission expires March 9, 2024

Commonwealth of Pennsylvania - Notary Seal
Rebecca Shrum, Notary Public
Beaver County
My commission expires March 9, 2024
Commission number 1267706
Member, Pennsylvania Association of Notaries

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: Strader Gower

Comments: _____

RECEIVED
Office of Oil and Gas

SEP 07 2023

WV Department of
Environmental Protection

Title: Oil & Gas Inspector

Date: 09/05/2023

Field Reviewed? Yes No

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
SEP 07 2023
WV Department of
Environmental Protection

10/06/2023

Topo Quad: Powhatan Point 7.5'

Scale: 1" = 2000'

County: Marshall

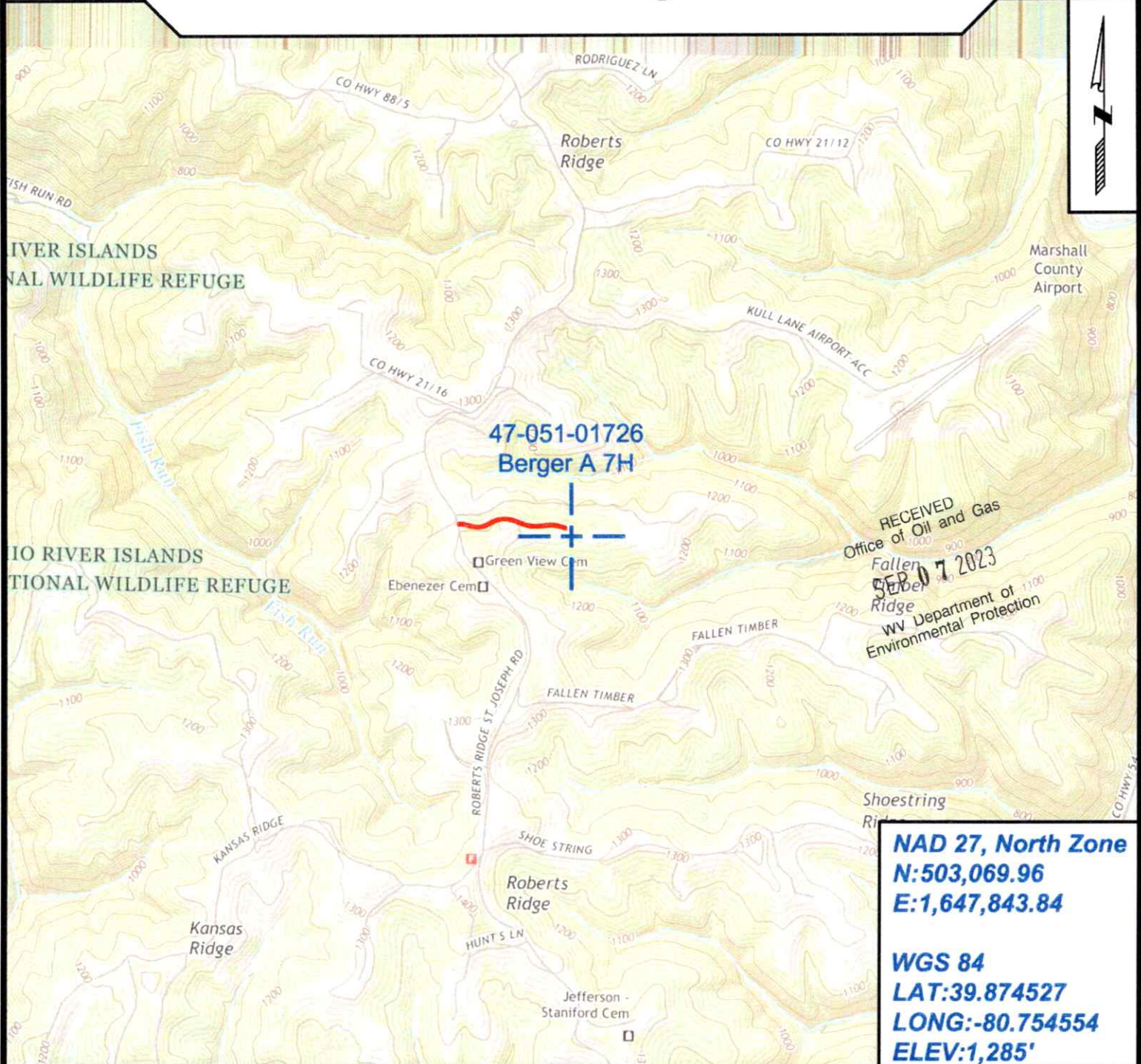
Date: May 31, 2023

District: Clay

Project No: 296-44-00-17

47-051-01726 Berger A 7H

Topo



NAD 27, North Zone
N:503,069.96
E:1,647,843.84

WGS 84
LAT:39.874527
LONG:-80.754554
ELEV:1,285'



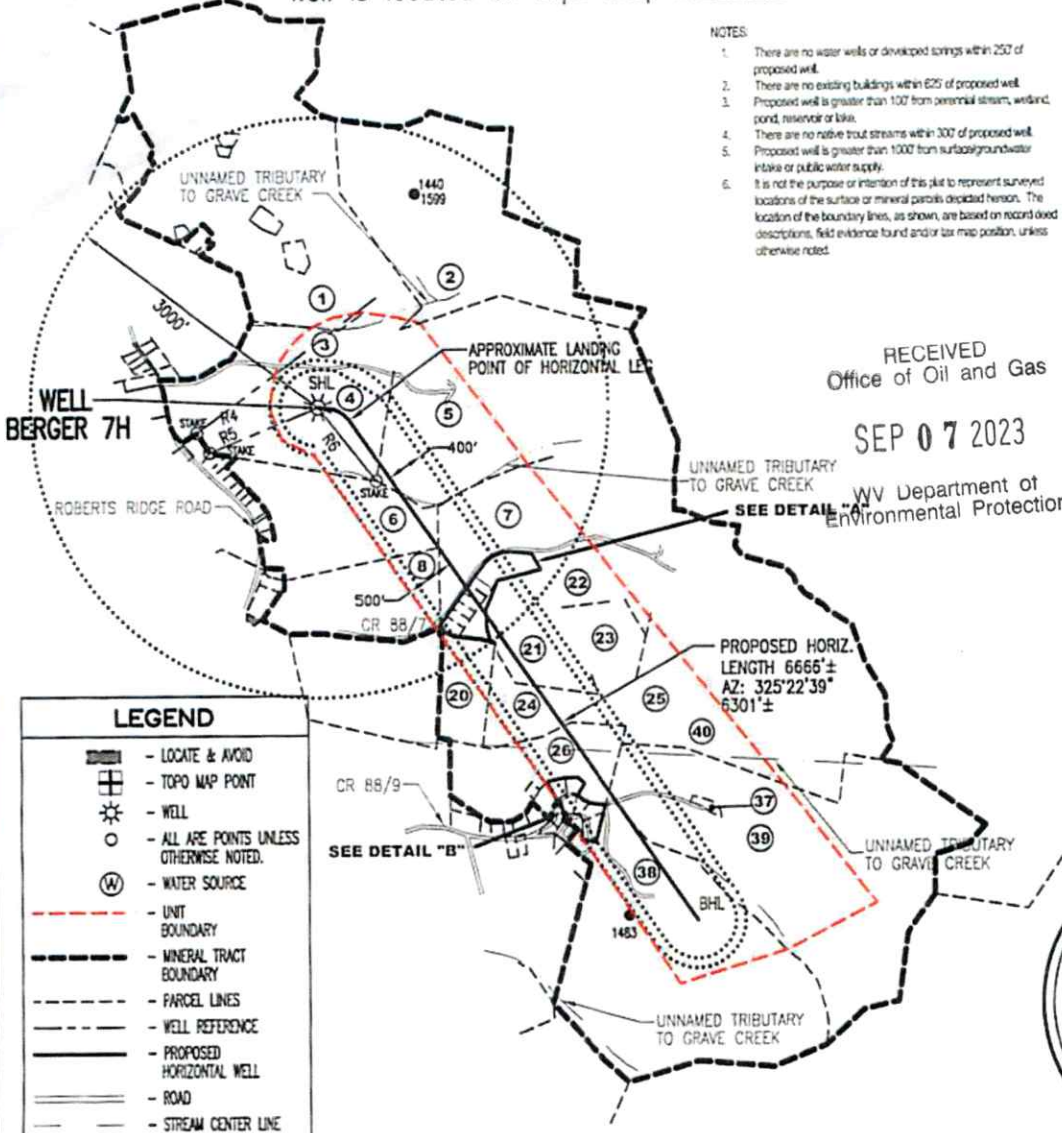
SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
 400 Woodcliff Drive
 Canonsburg, PA 15317
 10/06/2023

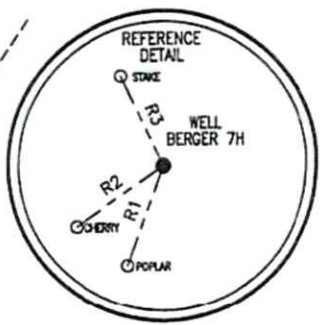
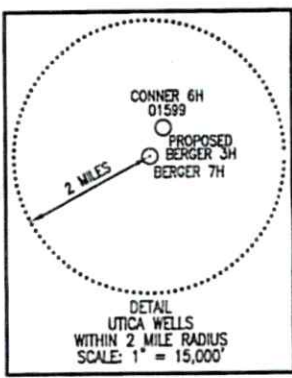
Well is located on topo map 168' feet south of Latitude: 39° 52' 30"

Well is located on topo map 1271' feet west of Longitude: 80° 45' 00"

- NOTES:
1. There are no water wells or developed springs within 250' of proposed well.
 2. There are no existing buildings within 625' of proposed well.
 3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
 4. There are no native trout streams within 300' of proposed well.
 5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
 6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.



RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of Environmental Protection



LEGEND

- LOCATE & AVOID
- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- WATER SOURCE
- UNIT BOUNDARY
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE

WELLS WITHIN 3000'

- EXISTING WELLS
- PLUGGED WELLS

PROPOSED HORIZ. LENGTH 6666'±
AZ: 325°22'39"
6301'±

SEE PAGE 2 & 3 FOR SURFACE/OIL & GAS OWNERS

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4413858.71 E:520989.08	UTM 17-NAD83 N:4413818.70 E:521087.76	UTM 17-NAD83 N:4412257.19 E:522204.87
NAD83, WV NORTH N:503102.30 E:1616405.99	NAD83, WV NORTH N:502965.56 E:1616727.62	NAD83, WV NORTH N:497780.22 E:1620307.88

LINE	BEARING	DISTANCE
R1	S 19°56'09" W	219.30'
R2	S 55°14'48" W	219.90'
R3	N 25°02'26" W	205.76'
R4	S 78°28'18" W	1283.41'
R5	S 67°40'10" W	1216.99'
R6	S 37°56'47" E	971.70'

Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

FILE #: BERGER 7H
DRAWING #: BERGER 7H
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 ENVIRONMENTAL PROTECTION.

Signed: *George A. Six*
R.P.E.: _____ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP

OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: FEBRUARY 12, 2014

OPERATOR'S WELL #: BERGER 7H

Office of Oil and Gas
51 STATE COUNTY PERMIT

WV Department of Environmental Protection

Well Type: Oil Waste Disposal Production Deep Gas Liquid Injection Storage Shallow

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK QUADRANGLE: POWHATAN, OH-WV 7.5'

COUNTY/DISTRICT: MARSHALL / CLAY

SURFACE OWNER: GARY & LINDA BERGER ACREAGE: 53.01±

OIL & GAS ROYALTY OWNER: GARY & LINDA BERGER ACREAGE: 999.82±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: UTICA ESTIMATED DEPTH: TVD: 10,967'± TMD: 17,718'±

WELL OPERATOR: CHEVRON APPALACHIA, LLC DESIGNATED AGENT: KENNETH E. TAWNEY
 Address: 800 MOUNTAIN VIEW DRIVE Address: 500 LEE STREET, EAST SUITE 1600
 City: SMITHFIELD State: PA Zip Code: 15478 City: CHARLESTON State: WV Zip Code: 25301-3202



RECEIVED
Office of Oil and Gas

MAY 29 2015

10/06/2023

API: 47-051-01725	Well Name: Berger	Well Number: Berger 3H
-------------------	-------------------	------------------------

DRILLING CONTRACTORS			
Driller	Driller	Driller	Driller
Name Rocky Mountain Drilling	Name Highlands Drilling LLC	Name Nabors Drilling USA	Name
Address 185 North Vernal Avenue, Suite 2	Address 900 Virginia Street East	Address 10100 NW 10th Street	Address
City - State - Zip Vernal, UT 84078	City - State - Zip Charleston, WV 25301	City - State - Zip Oklahoma City, OK 73127	City - State - Zip
Phone 435-789-3320	Phone 304-380-0114	Phone 405-324-8081	Phone

RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas

OCT 02 2019

WV Department of
Environmental Protection
10/06/2023

API 47-051 - 01726

Farm name Berger

Well number Berger 7H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 2710 Loggers TD (ft) _____
 Deepest formation penetrated Berea Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) _____

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

RECEIVED
Office of Oil and Gas

SEP 07 2023

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WV Department of
Environmental Protection

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API No.	<u>47-051-01726</u>
Farm Name	<u>Berger</u>
Well No.	<u>Berger A 7H</u>

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

WAIVER

The undersigned coal operator ____/ owner ____/ lessee ____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

SURFACE OWNER WAIVER

Operator's Well
Number

Berger A 7H

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____

		Date _____

Signature _____ Date **10/06/2023**

RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection



Via Email

September 5, 2023

West Virginia Department of Environmental Protection
Office of Oil and Gas
Attn: Jeff McLaughlin
601 57th Street, SE
Charleston, WV 25304

**RE: Application for a Permit to Plug & Abandon
 Berger A 7H
 API 47-051-01726
 Clay District, Marshall County, WV**

WVDEP Recipient,

Attached is EQT Production Company's application for a permit to plug and abandon for the well referenced above.

EQT Production trusts that if any portion of the submitted documentation is found to be inadequate for processing the permit, notification will be made to our land department at your earliest convenience. It is EQT Production's intent to cooperate fully to provide any additional requested documentation and clarification in a timely manner such that permitting proceeds in a predictable and logical manner.

Sincerely,

Becky Shrum
Project Specialist - Permitting
bshrum@eqt.com
412-660-0654

RECEIVED
Office of Oil and Gas
SEP 07 2023
WV Department of
Environmental Protection

10/06/2023



Kennedy, James P <james.p.kennedy@wv.gov>

plugging permit issued 4705101726 05101725

1 message

Kennedy, James P <james.p.kennedy@wv.gov>

Mon, Oct 2, 2023 at 10:00 AM


To: "Shrum, Becky" <BShrum@eqt.com>, "Zavatchan, John" <jzavatchan@eqt.com>, OPishioneri@eqt.com, Strader C Gower <strader.c.gower@wv.gov>, ebuzzard@marshallcountywv.org


To whom it may concern, plugging permits have been issued for 4705101726 05101725.

James Kennedy

WVDEP OOG

2 attachments

 **4705101725.pdf**
3262K

 **4705101726.pdf**
3047K

10/06/2023