



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, December 12, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 510816S
47-017-05746-00-00

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:
Farm Name: MORRIS, I. L.
U.S. WELL NUMBER: 47-017-05746-00-00
Vertical Plugging
Date Issued: 12/12/2022

Promoting a healthy environment.

12/16/2022

PERMIT CONDITIONS

47 0 17 05 / 46

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.

12/16/2022

4701705746



400 Woodcliff Dr | Canonsburg, PA 15317
www.eqt.com

Via Email

October 7, 2022

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
WB Maxwell Heirs OXF17 (510816-S)
API 47-017-05746
Southwest District, Doddridge 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

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1) Date October 6, 2022
2) Operator's
Well No. WB Maxwell OXF17 (510816-S)
3) API Well No. 47-017 - 05746

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 1221' Watershed Tributary of South Fork Hughes River
District Southwest County Doddridge Quadrangle Oxford 7.5'
- 6) Well Operator EQT Production Company 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 Sam Ward Name R&J
Address PO Box 2327 Address 1087 Raccoon Rd
Buckhannon, WV 26201 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.

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

Work order approved by inspector

Samuel D. Ward II
Digitally signed by Samuel D. Ward II
DN: CN = Samuel D. Ward II email = samuel.d.ward@wv.gov, C = US
Date: 2022.10.07 11:43:31 -0400

Date 10/7/2022

PLUGGING PROGNOSIS

L-005681
 Maxwell Heirs (OXF17)
 API# 47-017-05746
 Southwest District
 Doddridge Co, WV

BY: M Danford
 DATE: 9/22/2022

CURRENT STATUS:**TD @ 6,940'****Elevation @ 1,228'**

16" 55# J-55 Casing @ 39' (CTS)
 11 3/4" 42# H-40 casing @ 1129' (719 cu ft cement)
 8 5/8" 32# J-55 casing @ 2086' (669 cu ft cement)
 5 1/2" 20# N-80 casing @ 6940' (no cement information)
 Records show no tubing in hole

Perforations @ 6,618'-6,653'
 15,795 bbls, 4,669 lbs Sand/Proppant
 PDNP

Fresh Water @ 225', 326', 397'
Elevation @ 1228'
Saltwater @ 1409', 1428', 1923', 1938'
Gas Show @ None reported
Oil shows @ None reported
Coal @ None Reported

1. Notify inspector, **Sam Ward, (304) 389-7583, Samuel.D.Ward@wv.gov**, 24 hours prior to commencing operations.
2. Check annulus of all casing strings for any pressure, gas leaking, or bubbling water in cellar, etc. before starting plugging operations, if any gas is detected on any annuli, notify EQT supervisor before proceeding.
3. Kill well to prep for pulling tubing, check for signs of tubing still in the well. If tubing has been pulled skip to step 5.
4. If tubing still present, Pull production tubing from well.
5. TIH with wireline and check TD @ or below 6940'.
6. TIH with gauge ring to 6568', set a 5 1/2" CIBP @ 6450' not in collar.
7. Fill hole with fresh water and run renegade segmented bond log from CIBP already in hole to surface. Locate and note cement top of production casing.
8. TIH with tubing to CIBP fill hole with 6% gel to surface.
9. Set a 500' C1A OR CL cement plug from 6450' to 5950'. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH 300' with tubing. Let cement cure for 8 hrs.
10. Free point 5 1/2" casing, cut casing @ free point using a jet cutter, Determine depth of free point utilizing CBL. TOOH 5 1/2" casing.
11. Set a 200' C1A OR CL cement plug 100' in/out of casing cut. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH 300' with tubing. Let cement cure for 8hrs. and tag top of cement. If cement top is at 100' above depth of freepoint cut or close proceed on to step 12.
12. Pump 6% GEL from top of cement to surface. TOOH to 2236' set a 300' C1A OR CL cement plug 2236' to 1936'. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH with tubing. Let cement cure 8 hrs. (9 5/8" casing seat).

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13. Check TD. If top of cement is at 1936' or close. TOOH with tubing.
14. TIH with wireline to 1936' and if cement plug was successful set CIBP @ 1886' TOOH with wireline
15. TIH with tubing to 1300' set a 350' C1A OR CL cement plug 1300' to 950'. TOOH with tubing. Let cement cure 8 hrs. (Elevation @ 1,228', 11 3/4" seat).
16. TIH with tubing to check TD. If top of cement is at 950' or close TOOH with tubing to 450' set a 450' C1A OR CL cement plug to surface. (Fresh Water @ 397' and Surface Plug)
17. Erect monument with API#, date plugged, company name.
18. Reclaim location and road to WV-DEP specifications

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Samuel D.
Ward II

Digitally signed by Samuel D. Ward II
DN: cn = Samuel D. Ward II email =
sward@wvdepr.gov c = US
Date: 2022.10.07 11:36:42 -0400

12/16/2022



4701705746

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

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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.

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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.

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

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WW-1A
Revised 6-07

1) Date October 12, 2022
2) Operator's Well Number _____
WB Marker (OFF 17.151-896.5)
3) API Well No. 17 507 5516

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>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 well 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 reverse 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 register 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.

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Office of Oil & Gas
OCT 12 2022
WV Department of Environmental Protection

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

Well Operator EQT Production Company
By: Enn Spine *E. Spine*
Its: Manager - Subsurface Permitting
Address 400 Woodcliff Drive
Canonsburg PA 15317
Telephone (724) 271-7380

Subscribed and sworn before me this 10th day of October, 2022
Rebecca Shrum
My Commission Expires March 9, 2024 Notary Public

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.

WB Maxwell OXF17 (510816-S) WW-4A Attachment

SURFACE LANDOWNER:

I.L. Morris
P.O. Box 397
Glennville, WV 26351

COAL OWNERS:

I.L. Morris
P.O. Box 397
Glennville, WV 26351

WBM Heirs Properties LLC
P.O. Box 2395
Buckhannon, WV 26201

L.E. Sawyer Jr.
P.O. Box 584
Midland, TX 79702

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4701705746

7021 2720 0000 9233 1856

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<input type="checkbox"/> Return Receipt (hardcopy)	\$
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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark
Here

Postage	\$
Total Postage and	
\$ 10.85	

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

I.L. MORRIS
P.O. BOX 397
GLENVILLE, WV 26351

PS Form 3800, April 2010 See Reverse for Instructions

7021 2720 0000 9233 1863

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<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	\$

Postmark
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Postage	\$
Total Postage and	
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Sent To
Street and Apt. No.
City, State, ZIP+4

WBM HEIRS PROPERTIES LLC
P.O. BOX 2395
BUCKHANNON, WV 26201

PS Form 3800, April 2010 See Reverse for Instructions

7021 2720 0000 9233 1870

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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<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	\$

Postmark
Here

Postage	\$
Total Postage and	
\$ 10.85	

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

L.E. SAWYER JR.
P.O. BOX 584
MIDLAND, TX 79702

PS Form 3800, April 2010 See Reverse for Instructions

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WV Department of
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SURFACE OWNER WAIVER

Operator's Well
Number

47 0 1 7 0 5 7 4 6

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,

_____	_____	_____	_____
Signature	Date	Name	_____
		By	_____
		Its	_____
			Date
		Signature	_____
		Date	12/16/2022

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API No. **4701705746**

Farm Name Maxwell Heirs

Well No. _____

**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.

WAIVER

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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 _____

Topo Quad: Oxford 7.5'

Scale: 1" = 2000'

County: Doddridge

Date: June 01, 2022

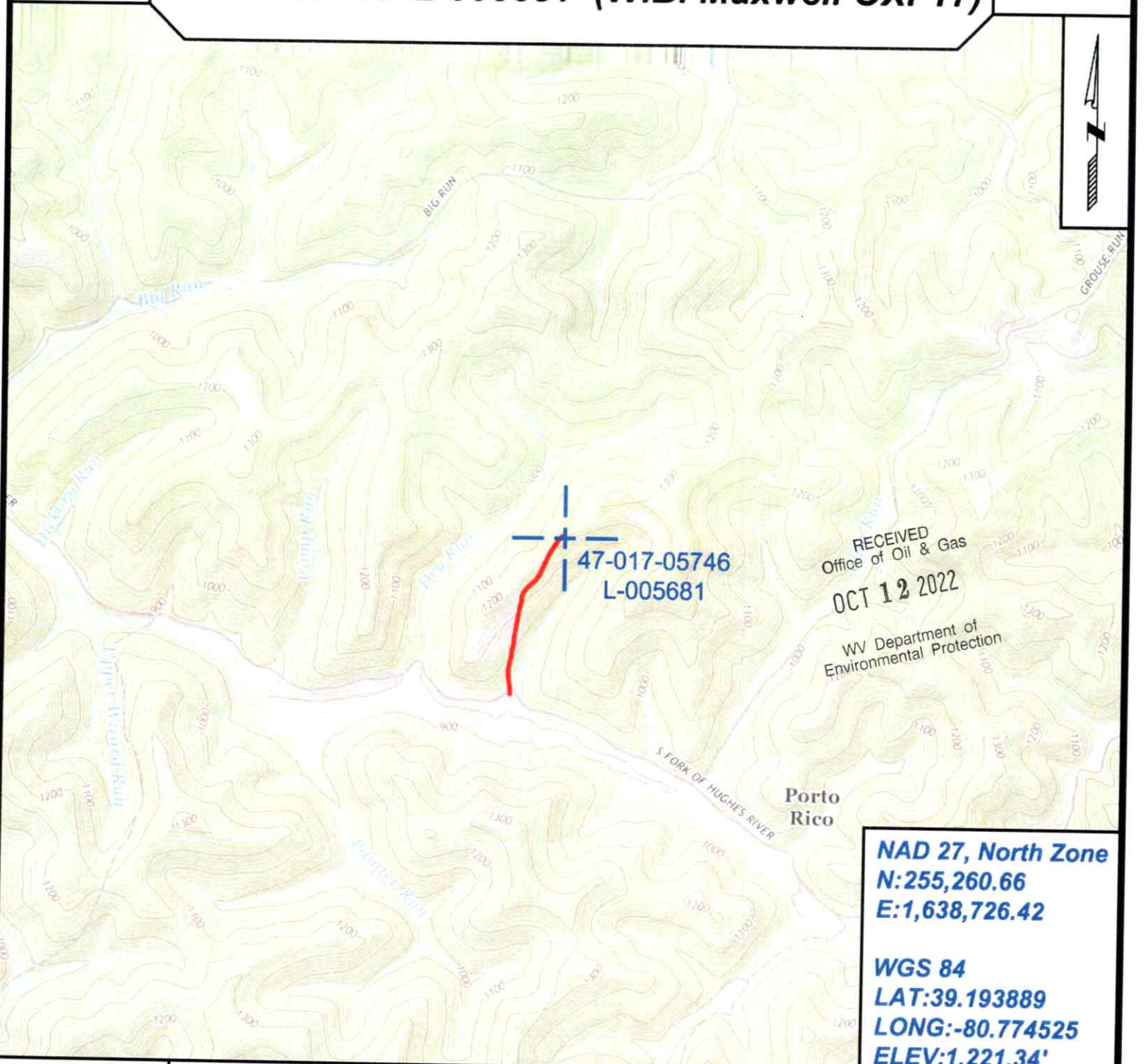
District: Southwest

Project No: 67-30-00-08

47 0 17 0 5 7 4 6

47-017-05746 L-005681 (W.B. Maxwell OXF17)

Topo



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NAD 27, North Zone
N:255,260.66
E:1,638,726.42

WGS 84
LAT:39.193889
LONG:-80.774525
ELEV:1,221.34'



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

12/16/2022

4701705746

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
LIQUID CUTTINGS DISPOSAL & TREATMENT PERMIT

Company Name: ENTER HERE Company ID: _____

Wellhead (HUC) for: Tributary of South Fork Hughes River District: _____

Do you anticipate using more than 5000 bbls of water to complete the proposed well? No Yes

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 oil:

Proposed Disposal Method for Treated Pit Wastes:

- Land Application (If selected provide a completed form: WW-96(PP))
- Underground Injection (LIC Permit Number)
- Reuse (at API Number)
- Oil Site Disposal (Supply form WW-9 for disposal location)
- Other (if explain)

SDW 10/7/2022

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 to submitting false information, including the possibility of fine or imprisonment.

Company Official Signature: [Signature]
Company Official (Typed Name): Erin Spine
Company Official Title: Manager - Subsurface Permitting

Subscribed and sworn before me this 9th day of October, 2022

[Signature]
My commission expires March 9, 2024

Notary Public
Commonwealth of Pennsylvania - Notary Seal
Rebecca Shrum, Notary Public
Beaver County
My commission expires March 9, 2024
Commission number 1267705
Member, Pennsylvania Association of Notaries

12/16/2022

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 **Samuel D. Ward II** Digitally signed by: Samuel D. Ward II
DN: cn = Samuel D. Ward II email = sward@wv.gov c = US
Date: 2022.10.07 11:43:02 -0400

Comments: _____

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Title: **OOG Inspector** Date: **10/7/22**

Field Reviewed? () Yes () No

EQT Production Water plan
Offsite disposals

47 0 17 0 5 7 4 6

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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OCT 12 2022
WV Department of
Environmental Protection

12/16/2022

WW-7
8-30-06

4701705746



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

API: 47-017-05746 WELL NO.: L-005681 (W.B. Maxwell OXF 17)

FARM NAME: Maxwell Heirs

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Doddridge DISTRICT: Southwest

QUADRANGLE: Oxford 7.5'

SURFACE OWNER: I. L. Morris

ROYALTY OWNER: NA

UTM GPS NORTHING: 4338317

UTM GPS EASTING: 519471 GPS ELEVATION: 372 m (1221 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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude:
height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- 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.

Ben K. Stutz
Signature

P.S. 2092
Title

6-1-2022
Date

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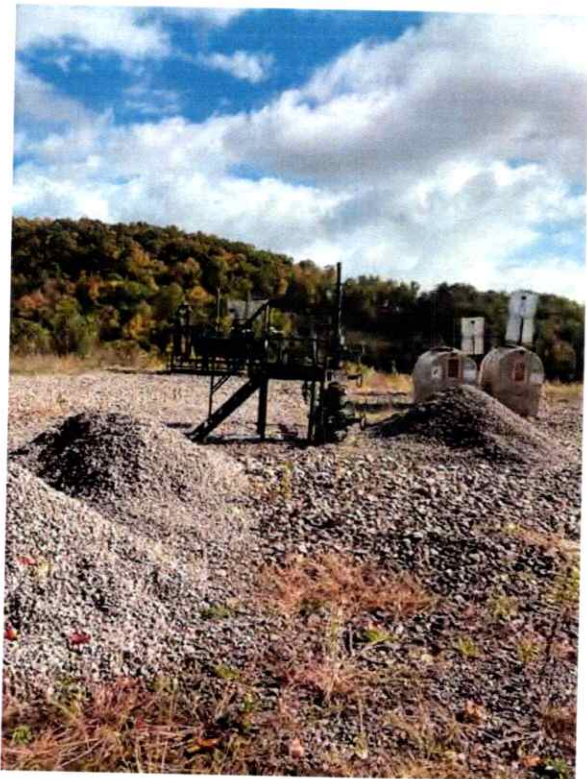


47 0 17 0 5 7 4 6

Site Pictures
W.B. Maxwell OXF17
47-017-05746
L-005681



L-005681 Well



L-005681 Well Pad Site

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BIRCH RIVER OFFICE

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

BRIDGEPORT OFFICE

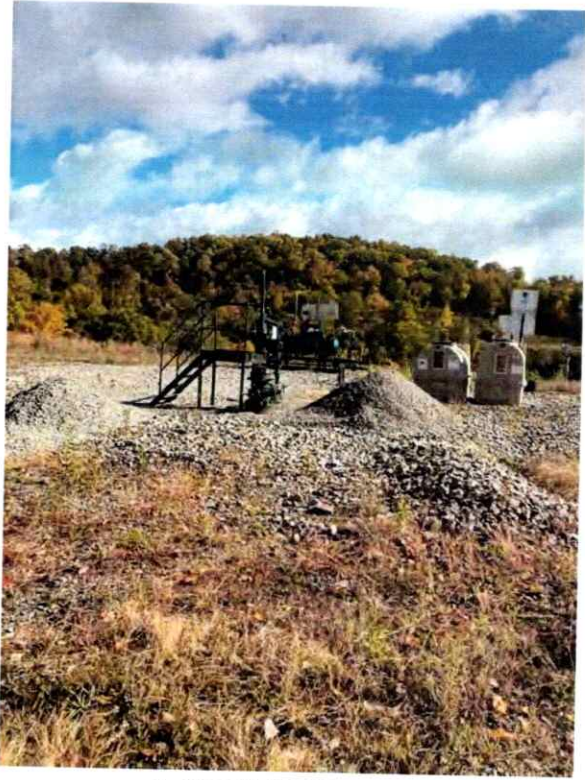
172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035 fax: 304-848-5037

CHARLESTON OFFICE

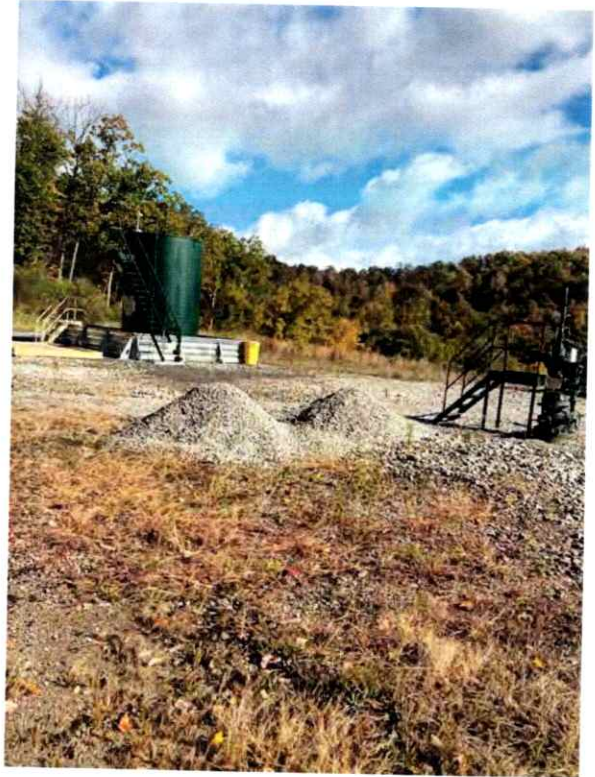
301 RHL Boulevard - Suite 5
Charleston, WV 25309
phone: 304-756-2949 fax: 304-756-2948

ALLEGHENYSURVEYS.COM

12/16/2022



L-005681 Well Pad Site



L-005681 Well Pad Site

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State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Company Name: EQT PRODUCTION
API: 47-1705746 County: DODDRIDGE
District: SOUTHWEST Well No: 5108165
Farm Name: MORRIS, I. L.
Discharge Dates/s From: (MMDDYY) 2/19/2009 TO: (MMDDYY) 3/6/2009
Discharge Times : From _____ TO: _____

Total Volume to be Disposed from this facility (gallons): _____
Disposal Option(s) Utilized (write volumes in gallons): _____

UIC (2): _____ Permit No. _____
Centralized Facility(5): _____ Permit No. _____
Reuse (4): _____ Alternate Permit Number: MAY 22 2013
Offsite Disposal(3): _____ Site Location: _____
Land Application(1): _____ (Include a topographic map) _____
Other method(6): RESERVE TANK / EC YARD (Include an explanation) _____

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Follow Instructions below to determine your treatment category.

- Optional Pretreatment test: _____ Cl- mg/l _____ DO mg/l
1. Do you have permission to use expedited treatment from the Director or his representative?
(Y/N) _____ If yes, who? _____ and place a four (4) on line 7.
If not go to line 2
 2. Was Frac Fluid or flowback put into the pit? (Y/N) _____ If yes, go to line 5. If not, go to line 3.
 3. Do you have a chloride value pretreatment (see above)? (Y/N) _____ If yes, go to line 4
If not, go to line 5.
 4. Is the Chloride level less than 5000 mg/l? (Y/N) _____ If yes, then enter a one (1) on line 7.
 5. Do you have a pretreatment value for DO? (See above) (Y/N) _____ If yes, go to line 6
If not, enter a three (3) in line 7.
 6. Is the DO level greater than 2.5 mg/l?(Y/N) _____ If yes, enter a two (2) on line 7. If not, enter a three (3) on line 7.
 - 7 _____ is the category of your pit. Use the Appropriate section.

Name of Principal Exec. Officer: REX CECIL RAY
Title of Officer: ATTORNEY IN FACT
Date Completed: 3/12/2010

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments 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 and imprisonment.

Signature of a Principal Exec. Officer or Authorized agent.

[Signature]
Signature

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Resubmitted 8/26/2009

47017057/46

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

API # 4701705746

Farm Name Morris, I.L. Well Number 510816
Location Elevation 1,228 Quadrangle OXFORD
District Southwest County Doddridge, WV
Latitude 5280 FSL 39.00 Minute 12.00 Second 30.00
Longitude 6970 FWL 80.00 45.00 0.00

Company EQT Production Company
1710 Pennsylvania Avenue Charleston,
WV 25328
Agent Cecil Ray
Inspector Mike Underwood
Permit issued 10/14/2008
Well Work Commenced 10/14/2008
Well Work Completed 11/10/2008
Verbal Plugging
Permission granted on _____
Rotary Rig Cable Rig _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cubic Ft
16	39	39	
11 3/4	1,129	1,129	719.10
8 5/8	2,086	2,086	669.00
5 1/2	6,686	6,686	

Total Depth 6,697

Water Encountered

Type Fresh water From wet @ 1461'

Coal Open Mined

Type Coal From none reported

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Open Flow Data

Producing Formation Marcellus Pay Zone Depth (ft): See attached for details

Gas: Initial Open Flow 0 MCF _____ Date _____ Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow 0 MCF _____ Date _____ Final Open Flow _____

Time of open flow between initial and final tests 0 hours
 Static Rock Pressure 0 after 0 hours

Second Producing Formation _____ Pay Zone Depth (ft) _____

Gas: Initial Open Flow _____ MCF _____ Date _____ Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow _____ MCF _____ Date _____ Final Open Flow _____

Time of open flow between initial and final tests _____ hours
 Static Rock Pressure _____ after _____ hours

SDW 10/7/2022

NOTE: On back of this form put the following
1) Details of Perforated intervals, fracturing or stimulating, physical change, etc.
2) The well log, a systematic detailed geological record of all formations including coal encountered in the well bore

By [Signature]
Date 8/26/08

12/16/2022

Well Number 510816

EQT Company
WR-35 Completion Report - Attachment
Well Treatment Summary

API # 4701705746

Date	11/07/2008
FracTyp	Slickwater
Zone	Marcellus
# of Perfs	
From/To	6,618- 6,653
BD Press	0
ATP Psi	4,436
Avg Rate	82
Max Press Psi	9,769
ISIP Psi	0
10min SIP	7,258 5 min.
Frac Gradient	0.00
Sand Proppant	4,669.00
Water-bbl	15795.3
SCF N2	0
Acid-gal	1,500 gal

Formation Name	Depth To	Depth Bottom	Formation Thick
sandstone	0.00	39	39.00
Shale	39.00	180	141.00
Red Shale	180.00	215	35.00
Shale	215.00	550	335.00
Sand and Shale	550.00	890	340.00
Red Shale	890.00	990	100.00
Shale	990.00	1,130	140.00
Sand	1,130.00	1,230	100.00
Sand and Shale	1,230.00	1,383	153.00
ROSDALE GAS SAN	1,383.28	0	0.00
ROSDALE SALT SA	1,502.30	0	0.00
MAXTON SAND	1,709.95	0	0.00
LITTLE LIMESTONE	1,807.45	0	0.00
BLUE MONDAY SAN	1,830.24	0	0.00
BIG LIME	1,859.36	0	0.00
KEENER SAND	1,918.87	0	0.00
BIG INJUN SAND	1,965.72	0	0.00
MISS UNC	1,992.31	0	0.00
WEIR SAND	2,140.45	0	0.00
BEREA SAND	2,341.77	0	0.00
GANTZ	2,353.17	0	0.00
50F	2,444.33	0	0.00
30F	2,548.16	0	0.00
GORDON SAND	2,593.74	0	0.00
4TH SAND	2,693.76	0	0.00
5TH SAND	2,841.91	0	0.00
BAYARD	2,868.50	0	0.00
WARREN	3,193.90	0	0.00
B-5	3,248.34	0	0.00
SPEECHLEY	3,257.21	0	0.00
BALLTOWN A	3,772.51	0	0.00
BALLTOWN B	4,026.01	0	0.00
BRADFORD	4,140.00	0	0.00
RILEY	4,398.00	0	0.00
RILEY 3	4,733.99	0	0.00
BENSON SAND	4,825.49	0	0.00
ALEXANDER SAND	5,071.48	0	0.00
ELK 2	5,290.87	0	0.00
ELK 3	5,499.42	0	0.00
ELK 4	5,781.07	0	0.00
GENESEE FM	6,431.20	6,539	107.80
GENESEO	6,539.00	6,570	31.00
TULLY	6,570.70	6,611	40.30
MARCELLUS SHALE	6,611.00	6,670	59.00
ONONDAGA LIME	6,670.00	0	0.00

Gas Tests

Depth	Remarks
1,870	342mcf
3,801	No Show
4,900	No Show
5,000	odor
5,200	odor

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* Copy of Schlumberger log included

12/16/2022



west virginia department of environmental protection

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

Joe Manchin III, Governor
Randy C. Huffman, Cabinet Secretary
www.wvdep.org

October 14, 2008

WELL WORK PERMIT

New Well

This permit, API Well Number: 47-1705746, issued to **EQUITABLE PRODUCTION COMPANY**, 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 all 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 drilling, 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 35CSR-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) 926-0499 ext. 1654.

James Martin
Chief

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Operator's Well No: 510816S

Farm Name: MORRIS, I. L.

API Well Number: 47-1705746

Permit Type: New Well

Date Issued: 10/14/2008

Promoting a healthy environment.

12/16/2022

4701705746

Form WW - 2B

**STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
WELL WORK PERMIT APPLICATION**

- 1) Well Operator EQUITABLE PRODUCTION COMPANY

	17	7	528
--	----	---	-----

Operator ID County District Quadrangle
- 2) Operator's Well Name Maxwell 510816S 3) Elevation 1,228'
- 4) Well Type: (a) Oil _____ or Gas X
 (b) If Gas: Production X Underground Storage _____
 Deep _____ Shallow X
- 5) Proposed Target Formation(s): Big Lime, Weir, Gordon, Warren, Alexander, Marcellus
- 6) Proposed Total Depth: 6679' Feet
- 7) Approximate fresh water strata depths: 225', 326', 397'
- 8) Approximate salt water depths: 1409', 1428', 1823', 1838'
- 9) Approximate coal seam depths: none reported
- 10) Does land contain coal seams tributary to active mine? No
- 11) Describe proposed well work: Drill and complete a new well.
- _____
- _____
- _____

12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE		INTERVALS	CEMENT
	Size	Grade	Weight per ft.	For Drilling	Left In Well	Fill-up (Cu.Ft)	
Conductor	16"	L.S.	55	30'	30'	N/A	
Fresh Water	11 3/4"	L.S.	42	1100'	1100'	C.T.S.	
Coal						<i>OK BKS 10-13-08</i>	
Intermediate	8 5/8"	J-55	32	2070'	2070'	C.T.S.	
Production	5 1/2"	P-110	17	6679'	6679'	570	
Tubing	2 3/8"	J-55	4.6	May not be run, if run will be set 100' less than TD			
Liners							

Packers: Kind
 Size
 Depths Set

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 WV Department of
 Environmental Protection

1) Date: September 26, 2008
2) Operator's Well Number
Maxwell 510816S 4701705746
3) API Well No.: 47 - 017 -
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served:
(a) Name _____
Address I.L. Morris ✓
P.O. Box 397
Glennville, WV 26351
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector David Scranage
Address Rt. 2, Box 11
Lost Creek, WV 26385
Telephone (304) 380-3749

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration:
Name I.L. Morris ✓
Address P.O. Box 397
Glennville, WV 26351
Name Bank One (Chase) ✓
Address Texas NA Trustee/Agent
Drawer 99084
Ft. Worth, TX 76199-5861
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

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Office of West Virginia
OCT 12 2008

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties by:

Department of Environmental Protection

Personal Service (Affidavit Attached)
 Certified Mail (Postmarked Postal Receipt Attached)
 Publication (Notice of Publication Attached)

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I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

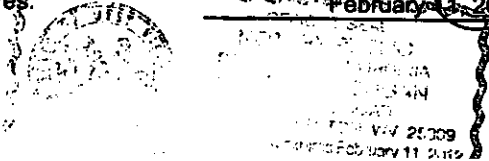
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals who immediately responsible for obtaining the information, I believe that the information is true,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

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Equitable Production Company
By: Rick P. Kay
Its: Regional Land Manager
Address: 1710 Pennsylvania Avenue
Charleston, WV 25302
Telephone: (304) 348-3845

Subscribed and sworn before me this 26th day of September, 2008
Victoria E. Dean Notary Public

My Commission Expires: February 11, 2012



12/16/2022

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
CHAPTER 22, ARTICLE 6, SECTION 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce, or market the oil and gas as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
W. Brent Maxwell	Carter Oil Co	1/8	14/376

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SEP 26 2008
WV Department of
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WELL OPERATOR: EQUITABLE PRODUCTION COMPANY
By: Rex C. Ray
Its: Regional Land Manager

WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

Contractor Name
 Well operator's private laboratory SLS, Inc - Environmental Div.

Well Operator Equitable Production Co.
Address 1710 Pennsylvania Ave
Charleston, WV 25302
Telephone (304) 348-3827

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

No water supplies within 1000' of the proposed well site.

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STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WAST DISCHARGE

Operator Name EQUITABLE PRODUCTION COMPANY OP ID _____
Watershed Tributary of South Fork Hughes River Quadrangle: Oxford
Elevation: 1,228' County: Doddridge District: Southwest
Description of anticipated Pit Waste: Drill water, frac blow back and various formation cuttings
Will synthetic liner be used in the pit? Yes, if impervious material is not available on site.

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- Underground Injection - UIC Permit Number _____
- Reuse (at API Number) _____
- Offsite Disposal (Supple form WW-9 disposal location) _____
- Other: Explain _____

Proposed Work for Which Pit Will Be Used:

- Drilling
- Workover
- Swabbing
- Plugging
- Other: Explain _____

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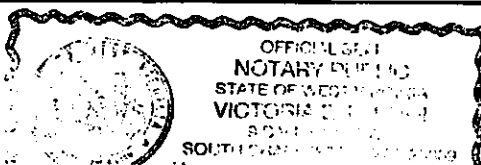
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION Permit issued on June 14, 1994, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or conditions 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 Rex C. Ray
Company Official (Typed or Printed) Rex C. Ray
Company Official Title Regional Land Manager
Subscribed and sworn before me this 26th day of September, 2008
Victoria E. Dyer
Notary Public

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Office of Oil & Gas
SEP 26 2008
WV Department of
Environmental Protection

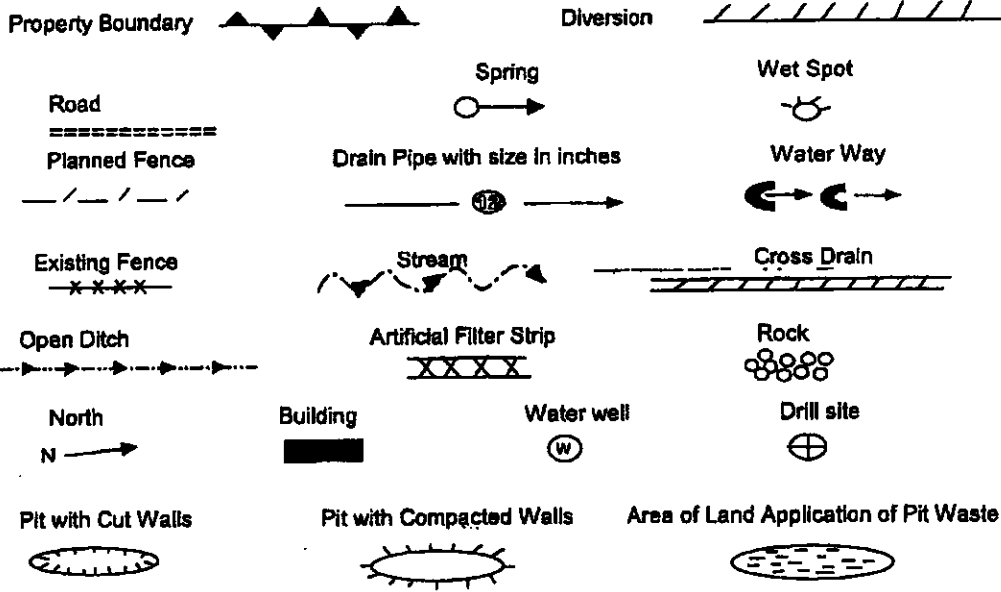
My Commission Expires 11-Feb-12



12/16/2022

4701705746

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 6.81 Prevegetation pH 6.3

Minimum 3 TB/Acre
 Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

Pre-seed cut Area I *Cut Slopes* **SEED MIXTURES**

Seed Type	lbs/acre
KY-31	40
Alsike Clover	5
Annual Rye	15

Seed Type	lbs/acre
Orchard Grass	15
Alsike Clover	5

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ATTACH:

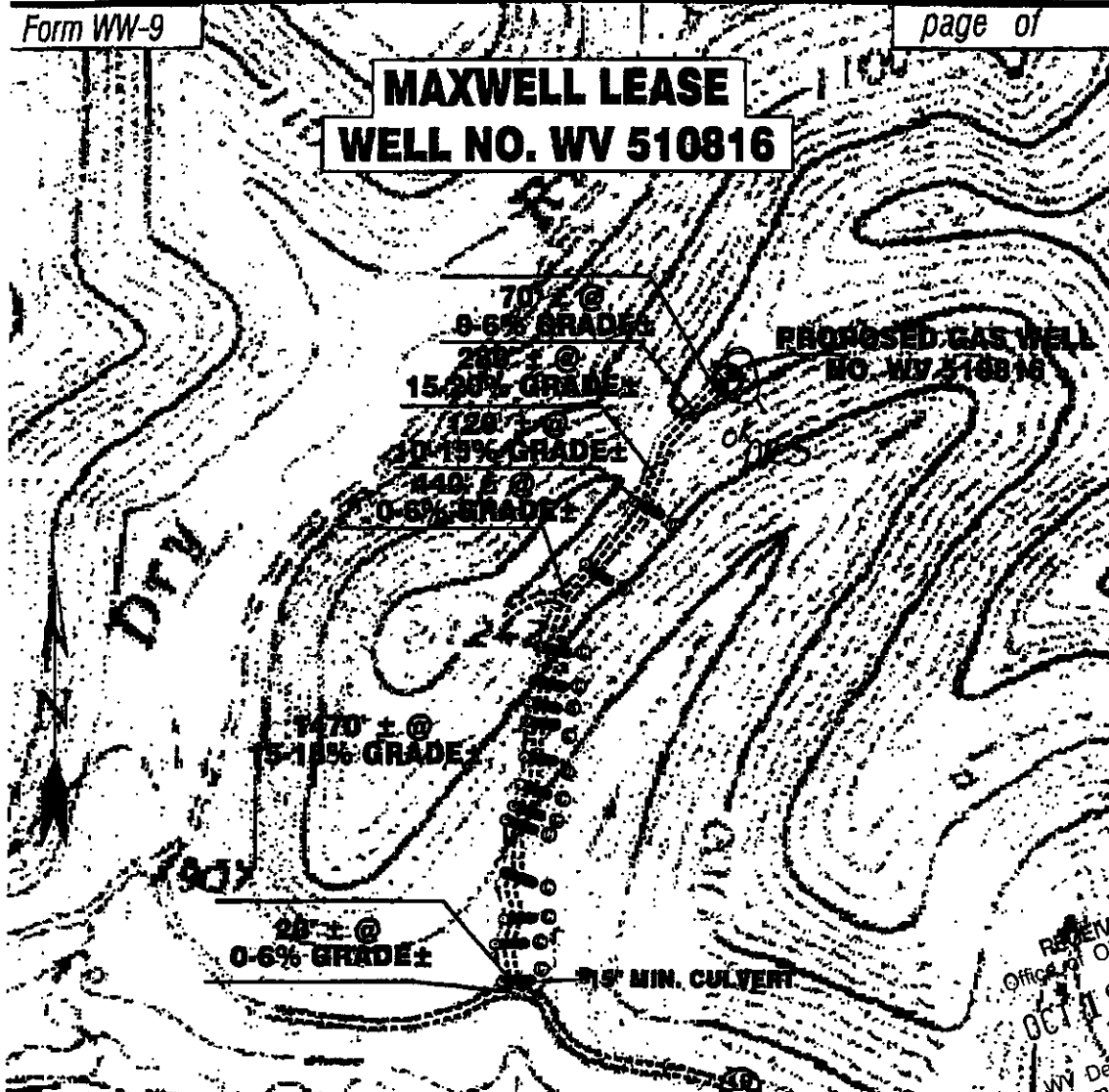
Drawing(s) of road, location, pit and proposed area for land application.
 Photocopies section of involved 7.5' topographic sheet.

Plan approved by: David K. Average

Title: Oilfield Inspector Date: 10-13-07

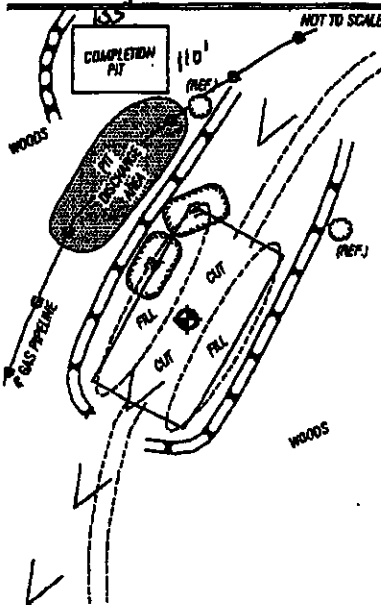
Field Reviewed? Yes No

**MAXWELL LEASE
WELL NO. WV 510816**

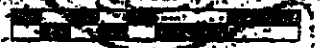


Received & Gas
Office of Oil & Gas
October 9, 2022
WV Department of
Environmental Protection

Detail Sketch for Proposed Well WV 510816



SCALE: 1" = 500'



TOPO SECTION OF
USGS OXFORD 7.5' QUADRANGLE

PROPOSED CULVERT INVENTORY
(FOR BID PURPOSES ONLY)

12" (MINIMUM) CULVERTS	13 CUL.
15" (MINIMUM) CULVERTS	1 CUL.

ADDITIONAL CHANNELS AND/OR OTHER DRAINAGE STRUCTURES & SEDIMENT CONTROL DEVICES MAY BE REQUIRED BY THE WV D.E.P. OIL & GAS INSPECTOR. OPERATOR IS RESPONSIBLE FOR COORDINATION WITH CONTRACTOR AND D.E.P. REGARDING ANY CHANGES OR ADDITIONS TO THE STATE MAP REQUIRE.

Projected Earthen Disturbance Area

Well Location Site	5.00 ac. +/-
Access Road	1.61 ac. +/-
Approximate Total Disturbance	6.61 ac. +/-

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED BY THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PREVENT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

ENVIRONMENTAL CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

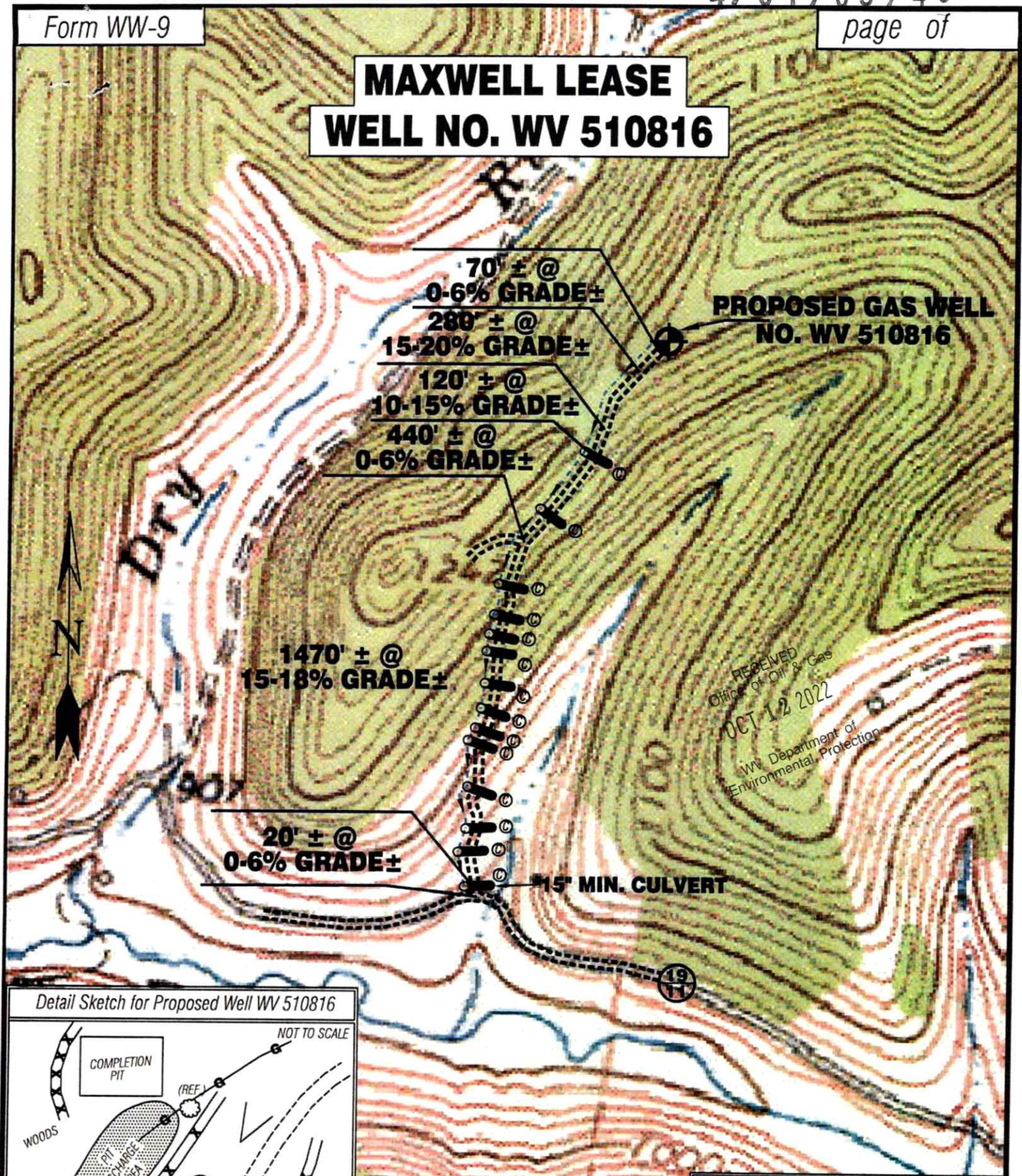
APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLICABLE).

- EXISTING CULVERT
- PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- PROPOSED STREAM CROSSING (IF APPLICABLE) *SEE ATTACHED TABLE FOR CULVERT DETAIL

SLS
SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV, 26351
T: (304) 482-5834 FAX: (304) 482-5835 E-MAIL: sls@sls.net

DRAWN BY	FILE NO.	DATE	CADD FILE
D.L.P.	3958	07/30/08	

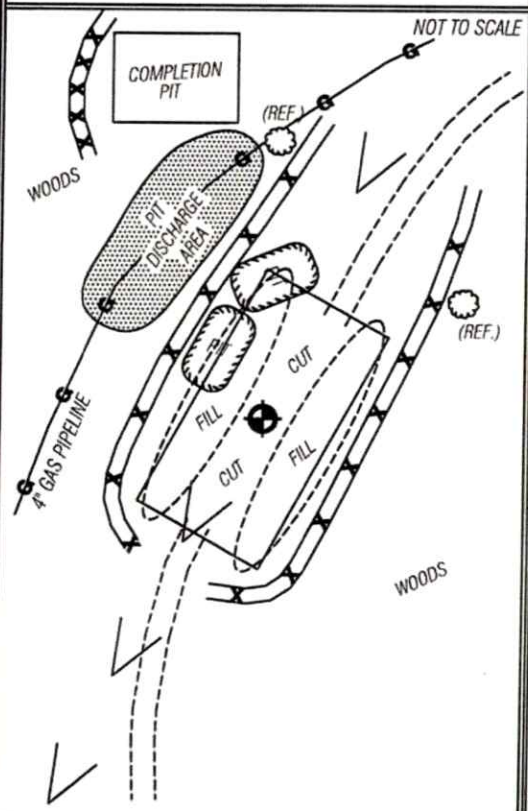
MAXWELL LEASE WELL NO. WV 510816



SCALE: 1" = 500'



Detail Sketch for Proposed Well WV 510816



TOPO SECTION OF USGS OXFORD 7.5' QUADRANGLE

PROPOSED CULVERT INVENTORY (FOR BID PURPOSES ONLY)

12" (MINIMUM) CULVERTS	13 CUL.
15" (MINIMUM) CULVERTS	1 CUL.

ADDITIONAL CULVERTS AND/OR OTHER DRAINAGE STRUCTURES & SEDIMENT CONTROL DEVICES MAY BE REQUIRED BY THE WV D.E.P. OIL & GAS INSPECTOR. OPERATOR IS RESPONSIBLE FOR COORDINATION WITH CONTRACTOR AND SLS REGARDING ANY CHANGES OR ADDITIONS THE STATE MAY REQUIRE.

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

12/16/2022

Projected Earthen Disturbance Area

Well Location Site	5.00 ac. +/-
Access Road	1.61 ac. +/-
Approximate Total Disturbance	6.61 ac. +/-

- = EXISTING CULVERT
 - = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
 - = PROPOSED STREAM CROSSING (IF APPLIES)
- *SEE ATTACHED TABLE FOR CULVERT DETAIL



SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV. 26351
PH: (304) 462-5634 FAX: (304) 462-5656 E-MAIL: sls@rtol.net

DRAWN BY: D.L.P. FILE NO.: 3959 DATE: 07/30/08 CADD FILE: 3959REC\WV510816R.DWG



7001 0360 0000 0266 6966

ABLE
DUCTION
ARCES Company

Charleston, WV 25302



I.L. Morris
P.O. Box 397
Glenville, WV 26351

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WV Department of
Environmental Protection

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City: Glenville, WV 26351

12/16/2022

1710 Pennsylvania Avenue
Charleston, WV 25302

BITABLE
PRODUCTION
RESOURCES Company



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4701705746

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Ft. Worth, TX 76199-5861**

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Texas NA Trustee/Agent
Drawer 99084
Ft. Worth, TX 76199-5861**

Sent To: Bank One (Chase)
Street, or PO #: Texas NA Trustee/Agent
City, St.: Ft. Worth, TX 76199-5861

12/16/2022

Operator: EQUITABLE PRODUCTION COMPANY
API: 1705746
WELL No: 510816S
Reviewed by: GCS Date: 10/9/08
15 Day End of Comment: 10/15

4701705746

CHECKLIST FOR FILING A PERMIT

New Well

- WW-2B
- * Inspector signature on WW-2B
- WW-2A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee / Operator Waiver
- WW-2A-1 (Signed) Showing Book/Page Number and Royalty Percentage
- WW-2B-1 (Names, addresses, and spot on topographical map listed as water testing)
- WW-9 (Page 1 & 2) (Notarized)
- * Inspector Signature on WW-9
- Reclamation plan
- Topographic Map of location of well
- Mylar Plat (Signed and Sealed) (Surface owner on plat matches WW-2A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- \$650.00 check (\$550.00 if no pit)

RECEIVED
Office of Oil & Gas
OCT 12 2008
WV Department of
Environmental Protection

12/16/2022



October 14, 2022

Re: Class L Cement Variance Request
WB Maxwell Heirs OXF17 (510816-S) Well
Permit Number 47-017-05746
Southwest District, Doddridge County

Dear Coal Party,

EQT Production Company (EQT) previously omitted the attached letter in error. This is in regard to the cement we will be using during plugging operations. 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.

This is simply a notification. No action is needed on your part.

Sincerely,

Becky Shrum
Project Specialist - Permitting

Enc.

12/16/2022



October 14, 2022

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

Re: Class L Cement Variance Request
WB Maxwell Heirs OXF17 (510816-S) Well
Permit Number 47-017-05746
Southwest District, Doddridge 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 'John Zavatchan'.

John Zavatchan
Project Specialist - Permitting

Enc.

12/16/2022



4701705746

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

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.

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

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	

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I.L. MORRIS
P.O. BOX 397
GLENVILLE, WV 26351

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<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	\$	

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Total Postage and	\$	

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L.E. SAWYER JR.
P.O. BOX 584
MIDLAND, TX 79702

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<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	\$	

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Total Postage and	\$	

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City, State, ZIP+4 _____

WBM HEIRS PROPERTIES LLC
P.O. BOX 2395
BUCKHANNON, WV 26201

PS Form 3800, A

12/16/2022



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

plugging permit issued 4701705746 01705664 01705625

1 message

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

Mon, Dec 12, 2022 at 3:19 PM


To: Isaiah M Richards <isaiah.m.richards@wv.gov>, "Shrum, Becky" <BShrum@eqt.com>, "Zavatchan, John" <jzavatchan@eqt.com>, dsponaug@assessor.com


To whom it may concern plugging permits have been issued for 4701705746 01705664 01705625.


James Kennedy


WVDEP OOG


6 attachments


 **4701705746.pdf**
3729K

 **4701705625.pdf**
4011K

 **IR-8 4701705746.pdf**
120K

 **4701705664.pdf**
9109K

 **IR-8 4701705625.pdf**
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 **IR-8 4701705664.pdf**
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12/16/2022