



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 MAXWELL 510822
47-017-05625-00-00

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: MAXWELL 510822
Farm Name: MORRIS, I.L.
U.S. WELL NUMBER: 47-017-05625-00-00
Vertical Plugging
Date Issued: 12/12/2022

PERMIT CONDITIONS 47 0 17 0 5 6 2 5

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.



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

4701705625

Via Email

October 11, 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 OXF42 aka OXF18 (510822)
 API 47-017-05625
 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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WW-4B
Rev. 2/01

1) Date October 6, 2022
2) Operator's
Well No. WB Maxwell OXF-42 aka OXF-18 (510822)
3) API Well No. 47-017 - 06628

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 1247' 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 Name Sam Ward
Address PO Box 2327
Buckhannon, WV 26201
9) Plugging Contractor Name R&J
Address 1087 Raccoon Rd
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.dward@epw.gov, c=US
Date: 2022.10.07 11:46:09 -0400

Date 10/7/2022

12/16/2022

PLUGGING PROGNOSIS

L-005686
 Maxwell Heirs (OXF18)
 API# 47-017-05625
 Southwest District
 Doddridge Co, WV

BY: M Danford
 DATE: 9/22/2022

CURRENT STATUS:

TD @ 6,734'
Elevation @ 1,250'

16" 37# L.S. Casing @ 51' (CTS)
 11 3/4" 26# L.S. casing @ 1111' (719 cu ft cement)
 8 5/8" 17# L.S. casing @ 2077' (669 cu ft cement)
 5 1/2" 9.5# M-65 casing @ 6734' (no cement information)
 Records show no tubing in hole

Perforations @ 6,604' to 6,694'
 16,759 bbls, 9,635 lbs Sand/Proppant
 PDNP

Fresh Water @ 390'
Elevation @ 1250'
Saltwater @ 1428"
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 6734'.
6. TIH with gauge ring to 6,604', set a 5 1/2" CIBP @ 6550' 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 6550' to 6050'. 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 2227' set a 300' C1A or CL cement plug 2227' to 1927'. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH with tubing. Let cement cure 8 hrs. (8 5/8" casing seat).
13. Check TD. If top of cement is at 1927' or close. TOOH with tubing.

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14. TIH with wireline to 1927' and if cement plug was successful set CIBP @ 1877' TOOH with wireline
15. TIH with tubing to 1400' set a 450' C1A or CL cement plug 1400' to 950'. TOOH with tubing. Let cement cure 8 hrs. (Elevation @ 1250', 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 @ 390' 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 = samuel.d.ward@wv.gov C = US Date: 2022.10.07 11:28:27 -0400
----------------------	---

12/16/2022



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.

- 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.

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Office of Oil & Gas
OCT 12 2022

IN THE NAME OF THE STATE OF WEST VIRGINIA

WV Department of
Environmental Protection

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



James Martin, Chief
Office of Oil and Gas

WW-1A
Revised 6/07

1) Date: 10/12/2022
2) Operator - Well Number: WB Macken O&G 42 and O&G 1815/1922
3) API Well No: 17 02 22

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: See Attached	Name: _____
Address: _____	Address: _____
(b) Name: _____	(b) Coal Owner(s) with Declaration
Address: _____	Name: See Attached
(c) Name: _____	Address: _____
Address: _____	Name: _____
Address: _____	Address: _____
6) Inspector: Sam Ward	(c) Coal Lessee with Declaration
Address: PO Box 2327	Name: _____
Buckhannon, WV 26201	Address: _____
Telephone: 304-389-7583	_____

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Office of Oil & Gas

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-1B, 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 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.

Commonwealth of Pennsylvania - Notary Seal
Rebecca Shrum, Notary Public
Beaver County
My commission expires March 9, 2024
Commission number 1267708
Member, Pennsylvania Association of Notaries

Well Operator: EQT Production Company
By: Ern 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 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 depprivacyofficer@wv.gov.

47 0 17 0 5 6 2 5

WB Maxwell OXF42 aka OXF18 (510822) 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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 Adult Signature Required \$ _____
 Adult Signature Restricted Delivery \$ _____

Postmark
Here

Postage
\$ _____
Total Postage and
\$ 10.85

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

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

PS Form 3800, April 2019 See Reverse for Instructions

7021 2720 0000 9233 1856

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 Adult Signature Restricted Delivery \$ _____

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

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

PS Form 3800, April 2019 See Reverse for Instructions

7021 2720 0000 9233 1863

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Postage
\$ _____
Total Postage and
\$ 10.85

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

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

PS Form 3800, April 2019 See Reverse for Instructions

7021 2720 0000 9233 1870

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12/16/2022

SURFACE OWNER WAIVER

4701705625

Operator's Well
Number

WB Maxwell OXF42 aka OXF18 (510822)

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,
ETC.

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OCT 12 2022
WV Department of
Environmental Protection

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

API No.	<u>47-017-05625</u>
Farm Name	<u>Maxwell Heirs</u>
Well No.	<u>WB Maxwell OXF42 aka OXF18 (510822)</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.

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 _____

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Topo Quad: Oxford 7.5'

Scale: 1" = 2000' 47-017-05625

County: Doddridge

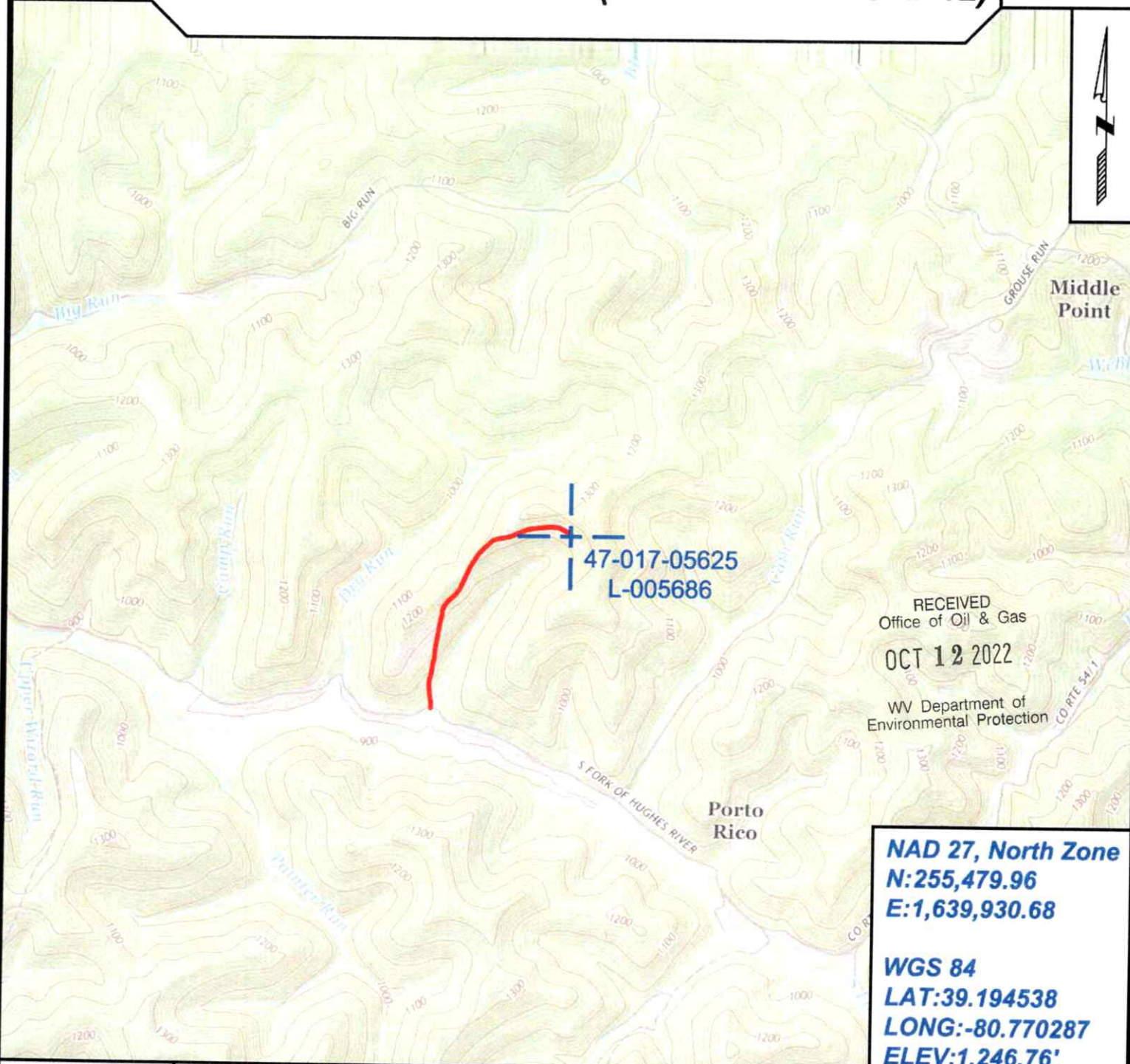
Date: June 01, 2022

District: Southwest

Project No: 67-30-00-08

47-017-05625 L-005686 (W.B. Maxwell OXF42)

Topo



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NAD 27, North Zone
N:255,479.96
E:1,639,930.68

WGS 84
LAT:39.194538
LONG:-80.770287
ELEV:1,246.76'



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

4701705625

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
WELLS, CUTTINGS DISPOSAL & PLUG AND ABANDON

Company Name: EOP Production Company
Well Name: EOP-100 Tributary of South Fork Hughes River
Drill Completion: Open Closed
Estimated pit volume more than 5,000 lbs of water to complete the proposed well: Yes No
Will 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 is:
Proposed Disposal Method for Treated Pit Wastes:

SDW 10/7/2022

- Land Application (if selected provide a completed form WW-94.009)
- Underground Injection (LIC Permit Number)
- Reuse (at API Number)
- On-Site Disposal (Supply form WW-9 for disposal location)
- Other (Specify)

Will closed loop system be used? If so, describe:
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.
-If oil based, what type? Synthetic, petroleum, etc.
Additives to be used in drilling medium?
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.
-If left in pit and plan to solidify, what medium will be used? (cement, lime, sawdust)
-Landfill or offsite name permit number?

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature: *E. Spine*
Company Official (Typed Name): Enn Spine
Company Official Title: Manager - Subsurface Permitting

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WV Department of
Environmental Protection

Subscribed and sworn before me this *10th* day of *October*, 2022.

Rebecca Shrum

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

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 = samuel.d.ward@wv.gov C = US
Date: 2022.10.07 11:45:30 -0700

Comments: _____

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WV Department of
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Title: **OOG Inspector**

Date: **10/7/22**

Field Reviewed? () Yes () No

EQT Production Water plan
Offsite disposals

4701705625

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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WV Department of
Environmental Protection

12/16/2022



47 0 17 0 5 6 2 5

Site Pictures
W.B. Maxwell OXF42
47-017-05625
L-005686



L-005686 Well



L-005686 Well Pad Site

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OCT 12 2022

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

ALLEGHENYSURVEYS.COM

12/16/2022



L-005686 Well Pad Access

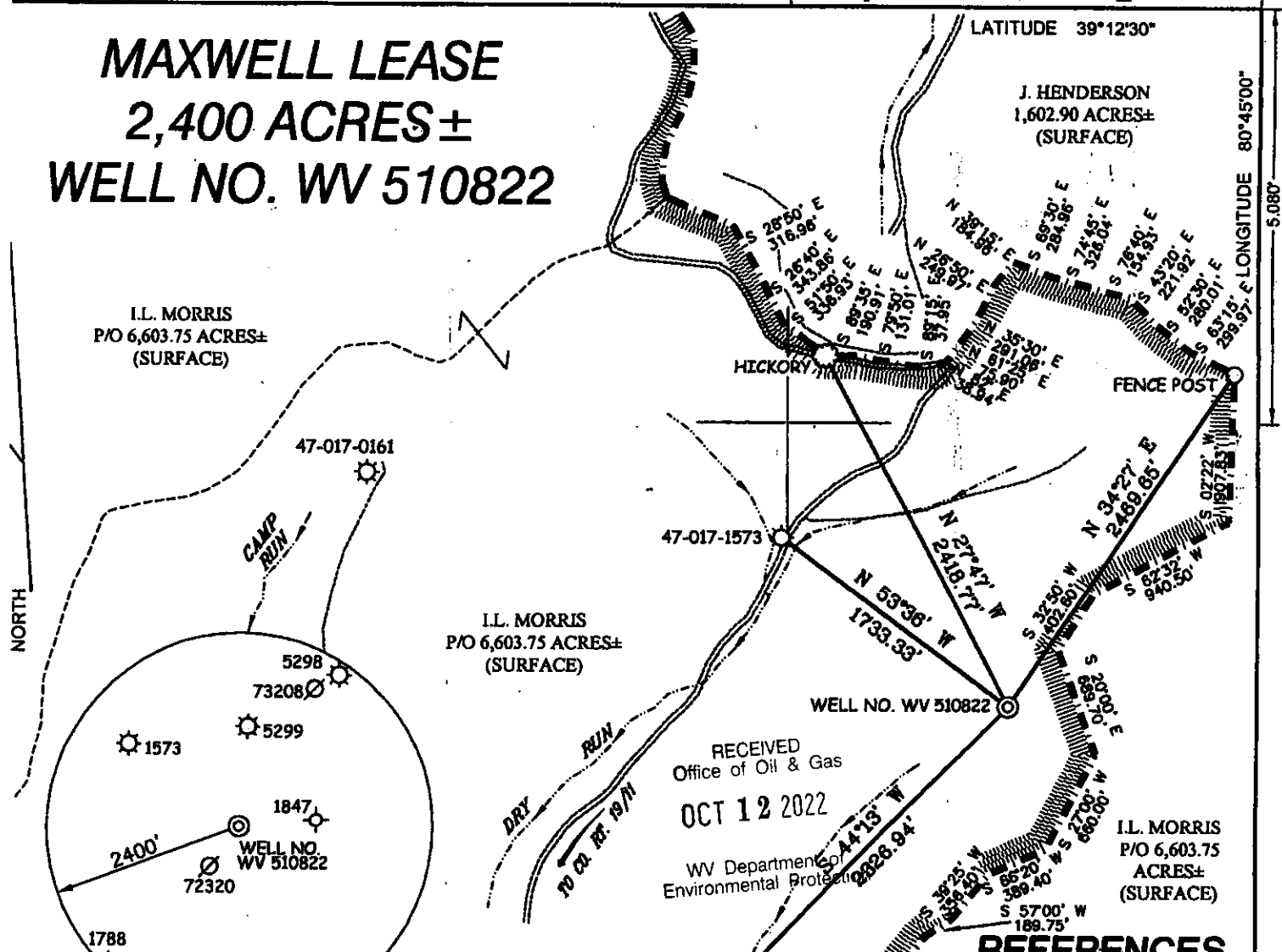


L-005686 Well Pad Site

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MAXWELL LEASE 2,400 ACRES± WELL NO. WV 510822



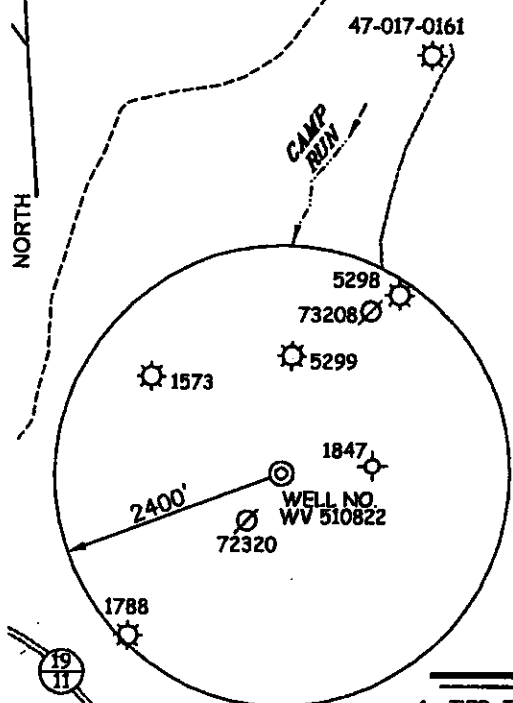
LATITUDE 39°12'30"
 J. HENDERSON
 1,602.90 ACRES±
 (SURFACE)
 80°45'00"
 5.080'

I.L. MORRIS
 P/O 6,603.75 ACRES±
 (SURFACE)

I.L. MORRIS
 P/O 6,603.75 ACRES±
 (SURFACE)

I.L. MORRIS
 P/O 6,603.75 ACRES±
 (SURFACE)

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 Environmental Protection



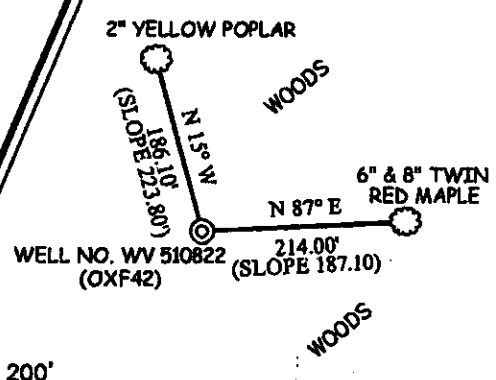
WELL NO. WV 510822
 STATE PLANE COORDINATES
 (NORTH ZONE)
 N. 255,464
 E. 1,839,933
 LAT=(N) 39.194410
 LONG=(W) 80.770452



NOTES ON SURVEY

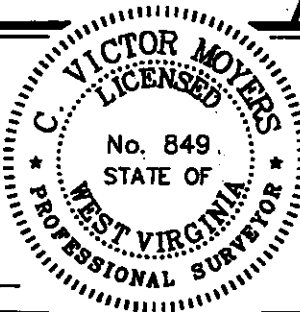
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 02/09/08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED BOOK 28 PAGE 207 & 210 AND LEASE BOOK 14 PAGE 376.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2007.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
 849
Gregory A. Smith



(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE FEBRUARY 15, 20 08
 OPERATORS WELL NO. WV 510822
 API WELL NO. 47-017-05625
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200
 FILE NO. 3959P510822 (249-74)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)
 SCALE 1" = 1,000'

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION:
 ELEVATION 1,250' WATERSHED TRIBUTARY OF SOUTH FORK HUGHES RIVER
 DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
 SURFACE OWNER I.L. MORRIS ACREAGE 6,603.75±
 ROYALTY OWNER W.B. MAXWELL HEIRS LEASE ACREAGE 2,400± 12/16/2022
 PROPOSED WORK:
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
 FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION BIG LIME, WEIR, GORDON, WARREN, ALEXANDER
 ESTIMATED DEPTH 3630'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT L. TODD TETRICK
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME
 PERMIT

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: 47-1705625 County: Doddridge
District: Southwest Well No: 510822
Farm Name: Morris, I. L.
Discharge Dates/s From:(MMDDYY) 1-5-09 TO: (MMDDYY) 3-12-09
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: _____
Offsite Disposal(3): _____ Site Location: David R. Hill Inc., Byesville, OH
Land Application(1): _____ (Include a topographical map of the Area.)
Other method(6): _____ (Include an explanation)

Follow Instructions below to determine your treatment category.

Optional Pretreatment test: _____ Cl- 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, enter a one (1) on line 7.
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.

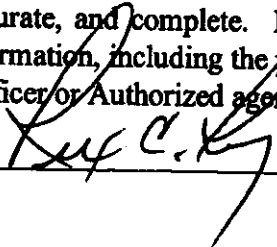
7 _____ is the category of your pit. Use the Appropriate section.

Name of Principal Exec. Officer: Rex Cecil Ray
Title of Officer: Attorney In Fact
Date Completed: 3/12/2010

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Department of Environmental Protection
MAR 19 2010
WV Department of Environmental Protection

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



12/16/2022

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

API# 470170422 **47 0 17 0 5 6 2 5**

Farm Name Morris, L.L. Well Number 510822
 Location Elevation 1,250 Quadrangle OXFORD
 District Southwest County Doddridge, WV
 Latitude 5080 FSL Degree 39.00 Minute 12.00 Second 30.00
 Longitude 5800 FWL 80.00 45.00 0.00

Company EQT Production Company
1710 Pennsylvania Avenue Charleston,
WV 25328
 Agent Cecil Ray
 Inspector Rick Campbell
 Permit issued 04/09/2008

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cubic Ft
<u>18</u>	<u>51</u>	<u>51</u>	
<u>11 3/4</u>	<u>1,111</u>	<u>1,111</u>	<u>683.85</u>
<u>8 5/8</u>	<u>2,077</u>	<u>2,077</u>	<u>608.40</u>
<u>5 1/2</u>	<u>6,734</u>	<u>6,734</u>	<u>282.50</u>

Well Work Commenced 09/22/2008
 Well Work Completed 11/20/2008
 Verbal Plugging
 Permission granted on _____
 Rotary Rig Cable Rig _____

Total Depth 6,740'

Water Encountered

Type	From
Fresh water	<u>1/2" @ 390'</u>
Salt Water	<u>1/4" @ 1428'</u>

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AUG 10 2009

WV Department of Environmental Protection

Coal & Open Mined

Type	From
Coal	<u>none reported</u>

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OCT 12 2022

WV Department of Environmental Protection

Open Flow Data

Producing Formation

Marcellus ; Gasco

Pay Zone Depth (ft): See attached for details

Gas: Initial Open Flow 30 MCF 9/29/08 Date
 Final Open Flow 0 MCF 02/01/2009 Date

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

Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow _____

Time of open flow between initial and final tests _____ hours

Static Rock Pressure _____ after _____ hours

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

SDW 10/7/2022

By [Signature]
 Date 0/5/09

12/16/2022

Well Number 510822

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

API# 4701705625

4701705625

01/25/2009		01/25/2009	
Date	01/25/2009	Date	01/25/2009
FracTyp	Slickwater	FracTyp	Slickwater
Zone	Marcellus	Zone	Genesco
# of Perfs		# of Perfs	
From/To	6,692- 6,694	From/To	6,582- 6,604
BD Press	3,783	BD Press	0
ATP Psi	4,131	ATP Psi	0
Avg Rate	80	Avg Rate	75
Max Press Psi	5,153	Max Press Psi	0
ISIP Psi	2,650	ISIP Psi	0
10min SIP	2,257 5 min.	10min SIP	0 5 min.
Frac Gradient	0.00	Frac Gradient	0.00
Sand Proppant	5,139.71	Sand Proppant	4,496.00
Water-bbl	16759.3	Water-bbl	0
SCF N2	0	SCF N2	0
Acid-gal	0 gal	Acid-gal	0 gal

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Environmental Protection

Formation Name	Depth To	Depth Bottom	Formation Thick
Sand	0.00	30	30.00
Shale	30.00	280	250.00
Red Rock	280.00	390	110.00
Sand	390.00	500	110.00
Sand and Shale	500.00	580	80.00
Shale & Rock	580.00	750	170.00
Red Rock	750.00	800	50.00
Sand and Shale	800.00	860	60.00
Shale	860.00	1,155	295.00
Sand and Shale	1,155.00	1,423	268.00
ROSEDALE GAS SAN	1,423.21	0	0.00
ROSEDALE SALT SA	1,543.01	0	0.00
MAXTON SAND	1,722.18	0	0.00
LITTLE LIMESTONE	1,839.73	0	0.00
BLUE MONDAY SAN	1,863.78	0	0.00
BIG LIME	1,893.02	0	0.00
KEENER SAND	1,948.23	0	0.00
BIG INJUN SAND	1,992.93	0	0.00
MISS UNC	2,024.27	0	0.00
WEIR SAND	2,173.23	0	0.00
WEIR SAND BASE	2,283.65	0	0.00
BEREA SAND	2,373.24	0	0.00
GANTZ	2,384.70	0	0.00
50F	2,475.33	0	0.00
30F	2,578.45	0	0.00
GORDON SAND	2,625.33	0	0.00
4TH SAND	2,724.29	0	0.00
5TH SAND	2,871.17	0	0.00
BAYARD	2,898.26	0	0.00
WARREN	3,223.27	0	0.00
B-5	3,279.52	0	0.00
SPEECHLEY	3,288.89	0	0.00
BALLTOWN A	3,799.33	0	0.00
BALLTOWN B	4,053.50	0	0.00
BRADFORD	4,170.17	0	0.00
RILEY	4,427.47	0	0.00
RILEY 3	4,763.94	0	0.00
BENSON SAND	4,854.57	0	0.00
BENSON BASE	4,902.48	0	0.00
ALEXANDER SAND	5,101.45	0	0.00
ALEXANDER BASE	5,205.62	0	0.00
ELK 2	5,317.95	0	0.00
ELK 3	5,500.34	0	0.00
ELK 4	5,819.70	0	0.00
SONYEA	6,289.69	0	0.00
GENESEE FM	6,454.58	0	0.00
GENESEE FM	6,470.08	6,570	99.92
GENESEO	6,570.00	6,610	40.00
TULLY	6,610.08	6,652	41.92
MARCELLUS SHALE	6,652.00	6,715	63.00
ONONDAGA LIME	6,715.00	0	0.00
MIDDLESEX	6,731.92	0	0.00

Gas Tests	
Depth	Remarks
2,034	94mcf
2,237	No Show
3,257	No Show
3,567	23mcf
4,628	47mcf

4701705625

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WV Department of
Environmental Protection



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
Stephanie R. Timmermeyer, Cabinet Secretary
www.wvdep.org

April 09, 2008

WELL WORK PERMIT

New Well

This permit, API Well Number: 47-1705625, 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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WV Department of
Environmental Protection

Operator's Well No: MAXWELL 510822

Farm Name: MORRIS, I.L.

API Well Number: 47-1705625

Permit Type: New Well

Date Issued: 04/09/2008

Promoting a healthy environment.

12/16/2022

4701705625

API# 47-017-05625

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

Revised

1) Well Operator EQUITABLE PRODUCTION COMPANY

Operator ID	17	7	526
County		District	Quadrangle

2) Operator's Well Name Maxwell 510822 3) Elevation 1,250'

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: 6708 Feet

7) Approximate fresh water strata depths: 257', 419'

8) Approximate salt water depths: 1431', 1450', 1945', 1960'

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.

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Environmental Protection

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.	37	30'	30'	N/A	
Fresh Water	11 3/4	L.S.	26	750	750	C.T.S.	
Coal							
Intermediate	8 5/8	L.S.	17	2070	2070	C.T.S.	
Production	5 1/2	M-65	9.5	6708	6708	400	
Tubing	2 3/8"	J-55	4.6	May not be run, if run will be set 100' less than TD			
Liners							

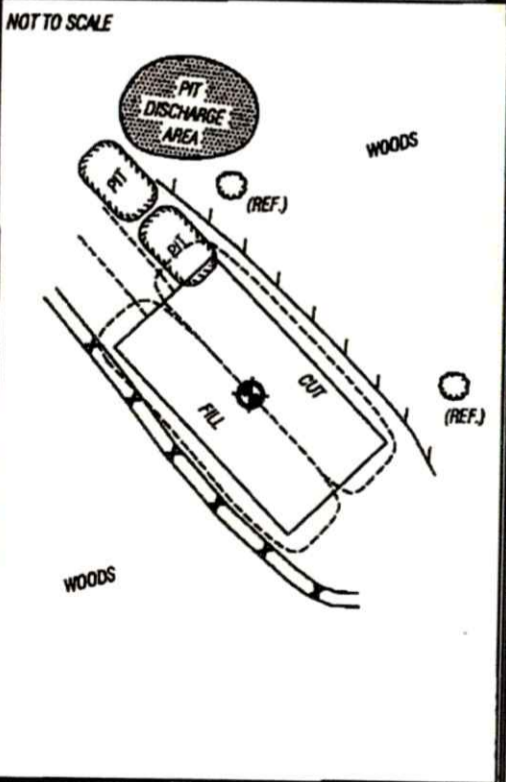
Packers: Kind _____
 Size _____
 Depths Set DKS 8-7-08

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Environmental Protection
12/16/2022

**MAXWELL LEASE
WELL NO. WV 510822**



Detail Sketch for Proposed Well WV 510822



SCALE: 1"=500'



TOPO SECTION OF USGS OXFORD 7.5' QUADRANGLE

PROPOSED CULVERT INVENTORY (FOR BID PURPOSES ONLY)

12" (MINIMUM) CULVERTS	16 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.

Projected Earthen Disturbance Area

Well Location Site	3.00 ac. +/-
Access Road	2.54 ac. +/-
Approximate Total Disturbance	5.54 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 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).

- EXISTING CULVERT
- PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- PROPOSED STREAM CROSSING (IF APPLIES) *SEE TABLE FOR CULVERT DETAIL
- APPLY ROCK/STONE TO EXISTING DIP (AS NEEDED)

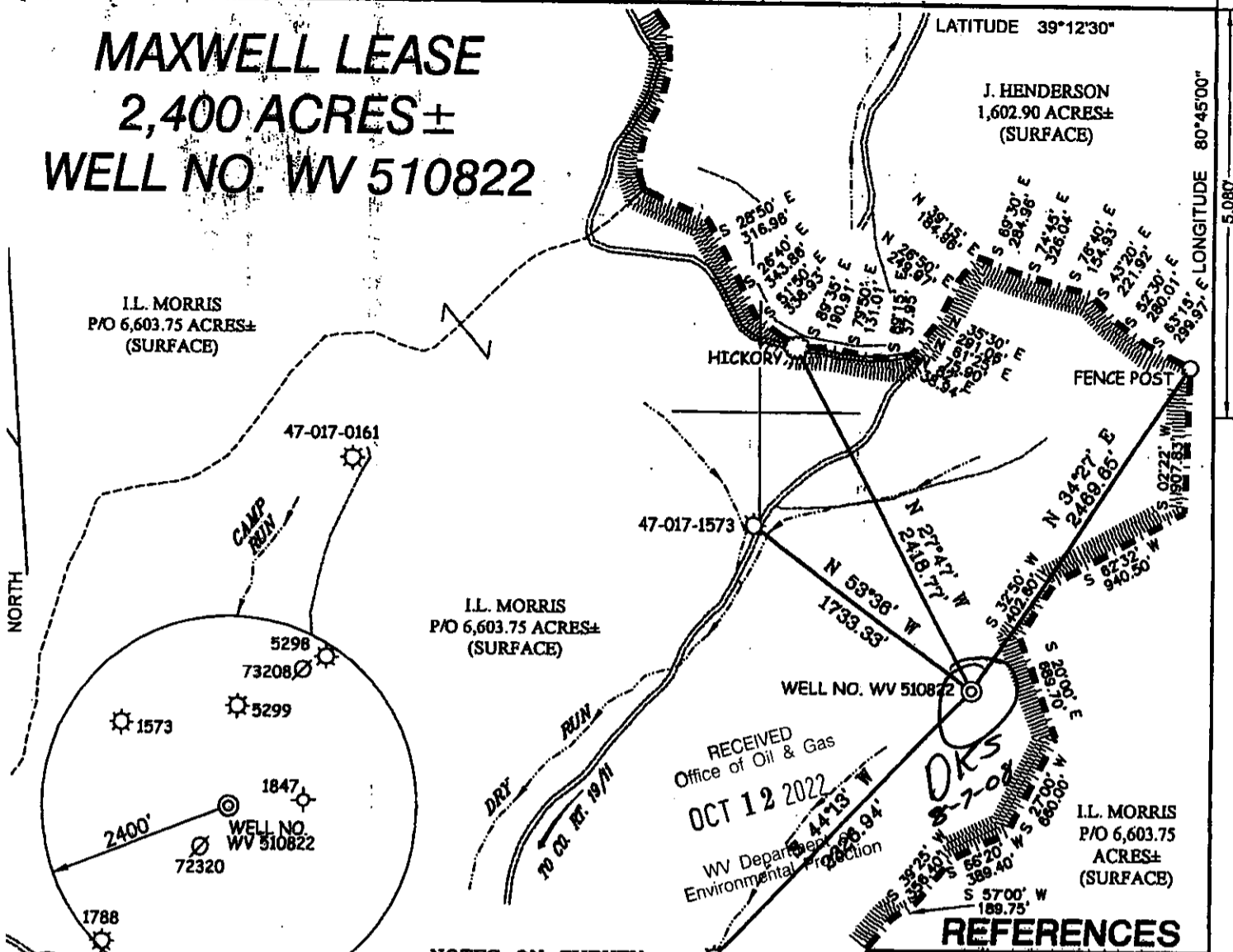
12/16/2022

SLS

SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV. 26351
PH: (304) 482-5634 FAX: (304) 482-5656 E-MAIL: sls@sls.net

DRAWN BY C.J.P.	FILE NO. 3958	DATE 02/15/08	CADD FILE: 3958.DWG
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MAXWELL LEASE 2,400 ACRES ± WELL NO. WV 510822



I.L. MORRIS
P/O 6,603.75 ACRES±
(SURFACE)

I.L. MORRIS
P/O 6,603.75 ACRES±
(SURFACE)

I.L. MORRIS
P/O 6,603.75
ACRES±
(SURFACE)

WELL NO. WV 510822 STATE PLANE COORDINATES (NORTH ZONE)

N. 256,464
E. 1,639,933

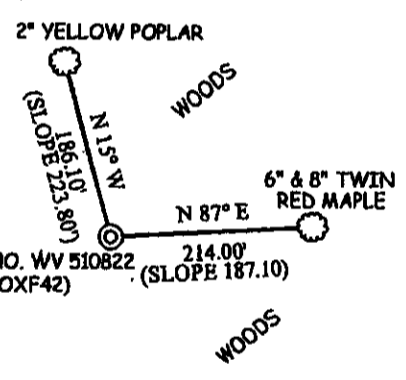
LAT=(N) 39.194410
LONG=(W) 80.770452



NOTES ON SURVEY

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5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE FEBRUARY 15, 20 08
 OPERATORS WELL NO. WV 510822
 API WELL NO. 47-017-05625
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 3959P510822 (249-74)
 SCALE 1" = 1,000'
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

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

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION ___ X STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 1,250' WATERSHED TRIBUTARY OF SOUTH FORK HUGHES RIVER
 DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER I.L. MORRIS ACREAGE 6,603.75±
 ROYALTY OWNER W.B. MAXWELL HEIRS LEASE ACREAGE 2,400±

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD

FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___

PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION Pig Line, WEIR, GORDON, WARREN, ALEXANDER
 ESTIMATED DEPTH 3630'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT L. TODD TETRICK
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME PERMIT

12/16/2022

29

47 0° 17' 05.6" 25

1705625

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	526
--	----	---	-----

Operator ID County District Quadrangle
- 2) Operator's Well Name Maxwell 510822 3) Elevation 1,250'
- 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
- 6) Proposed Total Depth: 3,630' Feet
- 7) Approximate fresh water strata depths: 257', 419'
- 8) Approximate salt water depths: 1431', 1450', 1945', 1960'
- 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.

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** Should a large show of water occur, 9 5/8" would be run and cemented to surface if needed.

12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE For Drilling	INTERVALS Left in Well	CEMENT Fill-up (Cu.Ft)
	Size	Grade	Weight per ft.			
Conductor	13 3/8"	L.S.	37	30'	30'	N/A
Fresh Water	9 5/8"	L.S.	26			C.T.S.
Coal						
Intermediate	7"	L.S.	17	1150'	1150'	C.T.S. ✓
Production	4 1/2"	M-65	9.5	3630'	3630'	258
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 _____

\$650.

hcc 4/08/08

CK# 6136

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12/16/2022

- 1) Date: March 10, 2008
- 2) Operator's Well Number
Maxwell 510822
- 3) API Well No.: 47 - 017 - 05625
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**

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>I.L. Morris</u> Address <u>P.O. Box 397</u> <u>Glenville, WV 26351</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Mike Underwood</u> Address <u>Rt. 2, Box 135</u> <u>Salem, WV 26426-0135</u> Telephone <u>(304) 552-3874</u></p>	<p>5) (a) Coal Operator: Name _____ Address _____</p> <p>(b) Coal Owner(s) with Declaration: Name <u>I.L. Morris</u> Address <u>P.O. Box 397</u> <u>Glenville, WV 26351</u> Name <u>Bank One (Chase)</u> Address <u>Texas NA Trustee/Agent</u> <u>Drawer 99084</u> <u>Ft. Worth, TX 76199-5861</u></p> <p>(c) Coal Lessee with Declaration Name _____ Address _____</p>
--	---

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

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

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 _____ of the above named parties by:

- Personal Service (Affidavit Attached)
- Certified Mail (Postmarked Postal Receipt Attached) **MAR 12 2008**
- 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 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: Alex C. Ray
Its: Regional Land Manager
Address: 1710 Pennsylvania Avenue
Charleston, WV 25302
(304) 348-3845

Telephone: _____
_____ day of March 2008

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OCT 12 2022
WV Department of
Environmental Protection
Subscribed and sworn before me this
Victoria E. Dugan
My Commission Expires: February 11, 2012

Notary Public
NOTARY PUBLIC
STATE OF WEST VIRGINIA
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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OCT 12 2022
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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 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:

<u>Contractor Name</u>		
<input checked="" type="checkbox"/>	Well operator's private laboratory	<u>SLS, Inc - Environmental Div.</u>
	Well Operator	<u>Equitable Production Co.</u>
	Address	<u>1710 Pennsylvania Ave</u> <u>Charleston, WV 25302</u>
	Telephone	<u>(304) 348-3827</u>

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Environmental Protection

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 underling 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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Page _____ of _____

2) Operator's Well Number

Maxwell 510822

3) API Well No.: 47-017-05625

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: 1,250' 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.

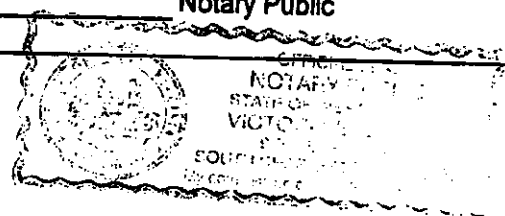
Company Official Signature Rex C. Ray

Company Official (Typed or Printed) Rex C. Ray

Company Official Title Regional Land Manager

Subscribed and sworn before me this 10th day of March, 2008

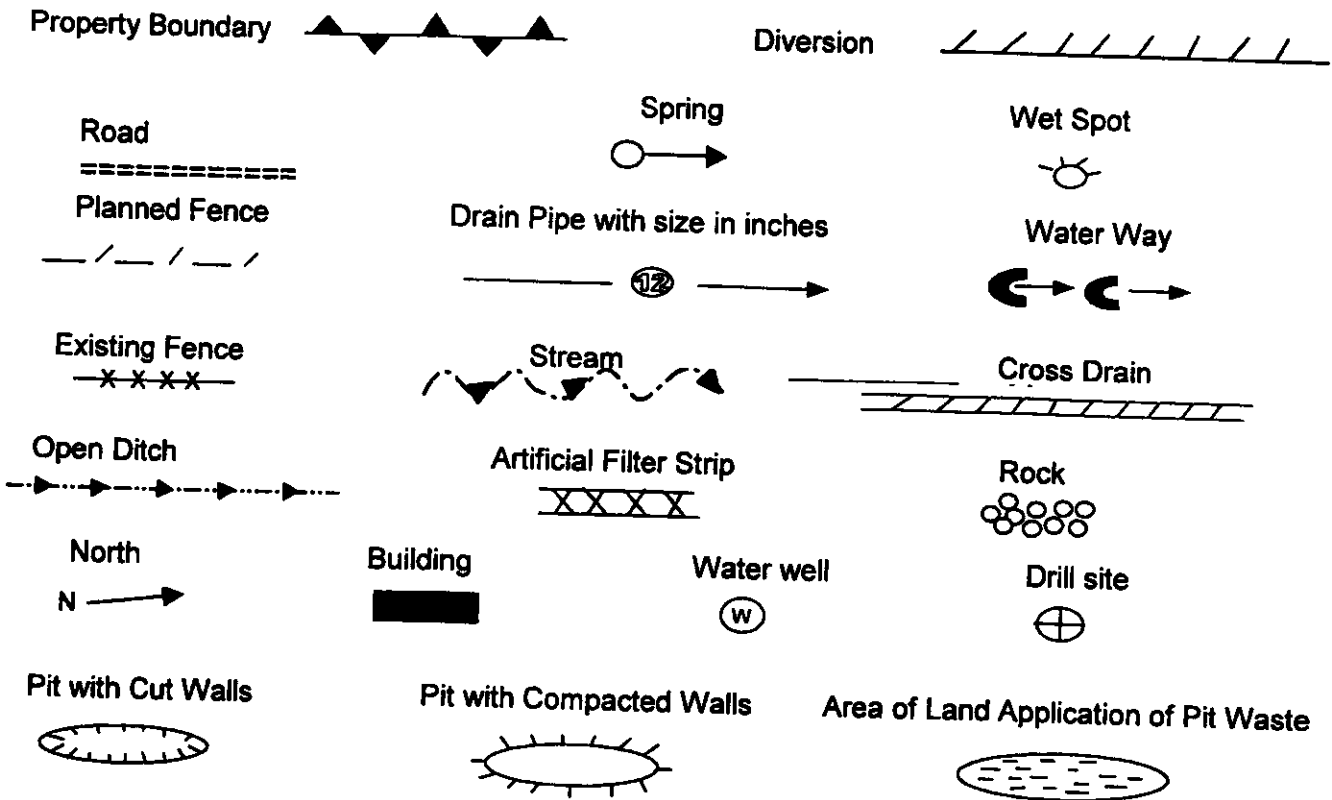
My Commission Expires 11-Feb-12 Notary Public



12/16/2022

4701705625

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 3.54 Prevegetation pH 6.3
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)
 Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I

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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Area #2
WV Department of Environmental Protection

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APR 09 2008

ATTACH:

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

WV Department of Environmental Protection

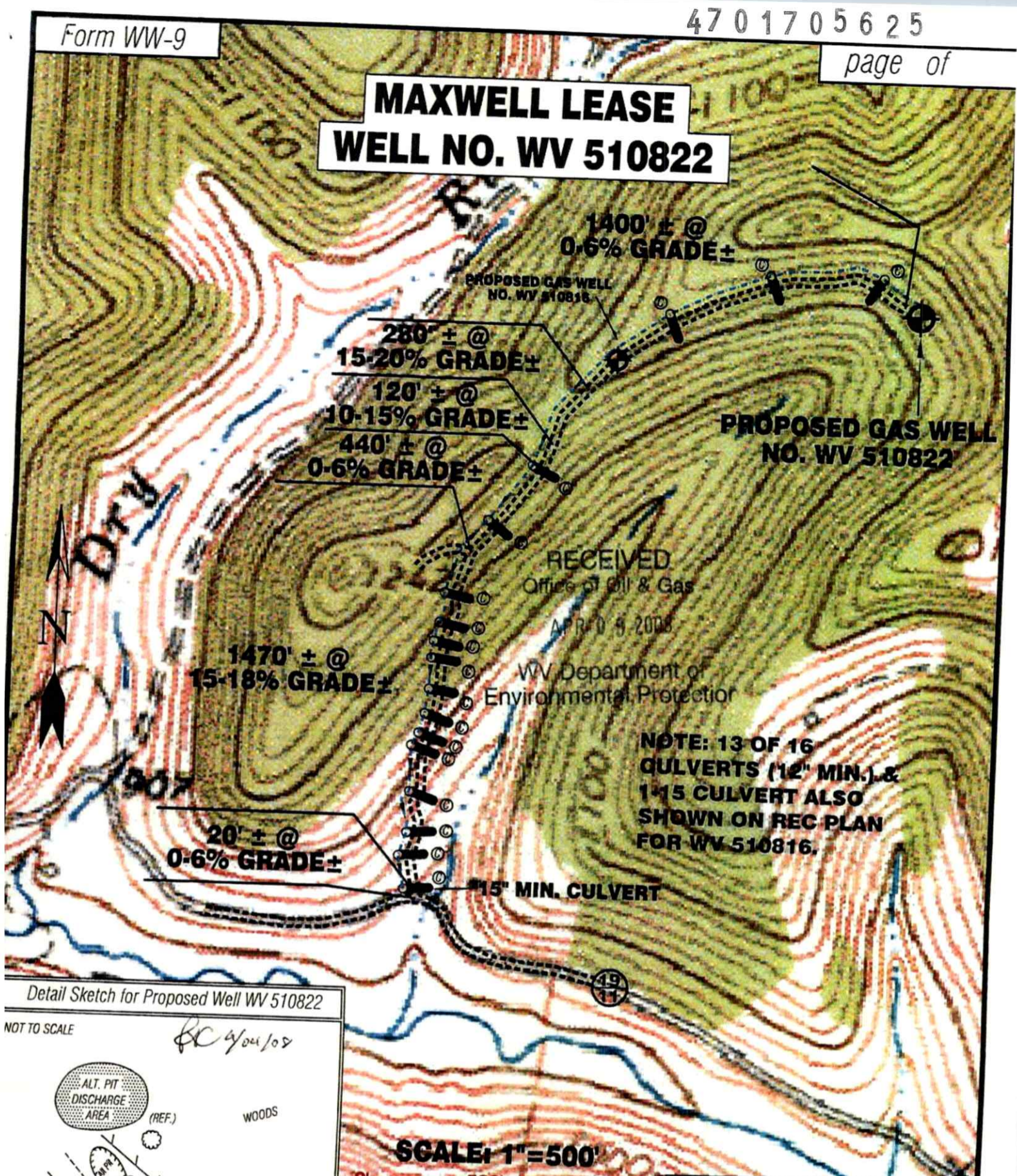
Plan approved by: Richard Campbell

Title: On-Cut Insp Date: 4/04/08

Field Reviewed? Yes No

12/16/2022

MAXWELL LEASE WELL NO. WV 510822



**PROPOSED GAS WELL
NO. WV 510822**

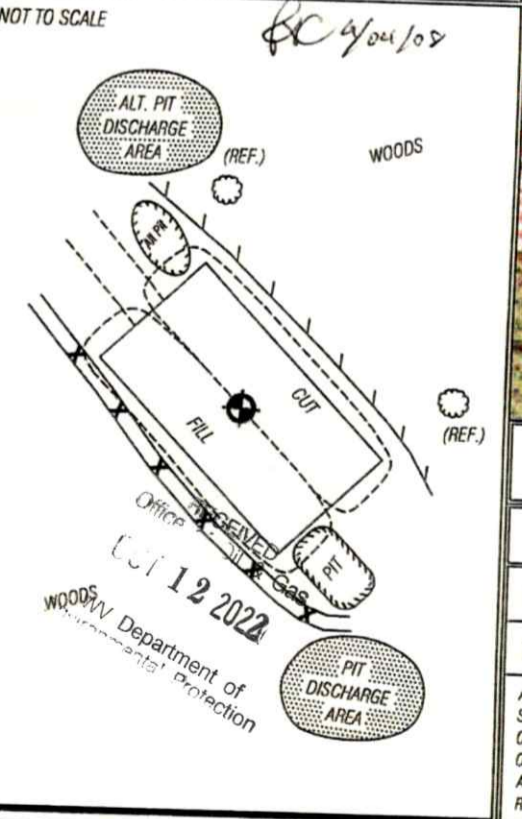
**PROPOSED GAS WELL
NO. WV 510816**

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WV Department of
Environmental Protection

**NOTE: 13 OF 16
CULVERTS (12" MIN.) &
1-15 CULVERT ALSO
SHOWN ON REC PLAN
FOR WV 510816.**

Detail Sketch for Proposed Well WV 510822



SCALE: 1"=500'



**TOPO SECTION OF
USGS OXFORD 7.5' QUADRANGLE**

**PROPOSED CULVERT INVENTORY
(FOR BID PURPOSES ONLY)**

12" (MINIMUM) CULVERTS	16 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.

Projected Earthen Disturbance Area

Well Location Site	1.00 ac. +/-
Access Road	2.54 ac. +/-
Approximate Total Disturbance	3.54 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 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).

- = EXISTING CULVERT
- = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING (IF APPLIES) *SEE TABLE FOR CULVERT DETAIL
- = APPLY ROCKSTONE TO EXISTING DIP (AS NEEDED)

12/16/2022

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

MN BY	FILE NO.	DATE	CADD FILE:
J.P.	3959	02/15/08	3959RECWB510822.DWG

1710 Pennsylvania Avenue
Charleston, WV 25302

BITABLE
RODUCTION
RESOURCES Company

17-0565

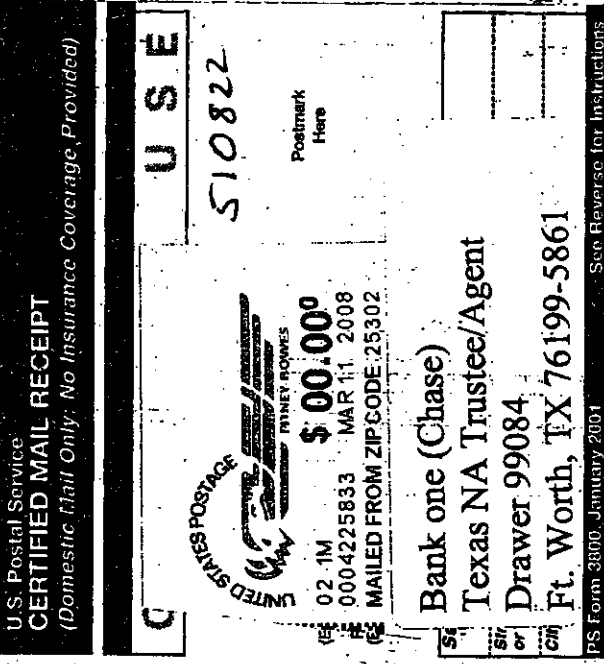


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Bank one (Chase)
Texas NA Trustee/Agent
Drawer 99084
Ft. Worth, TX 76199-5861

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7001 0360 0000 0264 1635

4701705625

PS Form 3800, January 2001 See Reverse for Instructions

12/16/2022

1710 Pennsylvania Avenue
Charleston, WV 25302

JITABLE
PRODUCTION
BLE RESOURCES Company

17-65625

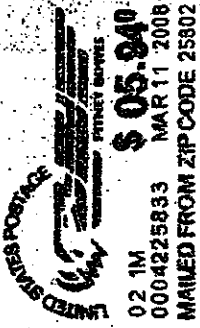


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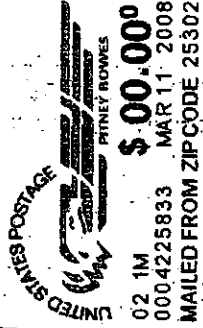
I.L. Morris
P.O. Box 397
Glenville, WV 26351

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7001 0360 0000 0264 0829



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Here

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

PS Form 3800, January 2001

See Reverse for Instructions

4701705625

12/16/2022

Oxford

4701705625



Operator: EQUITABLE PRODUCTION COMPANY

API: 1705625

WELL No: MAXWELL 510822

Reviewed by: Ja Date: 3-27-08

Due Date: 3/28

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)

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WV Department of
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12/16/2022



4701705625

EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317

October 14, 2022

Re: Class L Cement Variance Request
510822 WB Maxwell Heirs OXF42 aka OXF18 Well
Permit Number 47-017-05625
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



4701705625

EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317

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
510822 WB Maxwell Heirs OXF42 aka OXF18 Well
Permit Number 47-017-05625
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 'J. Zavatchan'.

John Zavatchan
Project Specialist - Permitting

Enc.

12/16/2022



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

4701705625

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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	\$	8.30

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

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

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

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L.E. SAWYER JR.
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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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Street and Apt. No.
City, State, ZIP+4

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

PS Form 3800, A



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**
120K

 **IR-8 4701705664.pdf**
120K

12/16/2022