



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

Thursday, April 28, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700
PITTSBURGH, PA 15222

Re: Permit approval for LEASURE 2
47-103-02526-00-00

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.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a faint, larger signature in the background.

James A. Martin
Chief

Operator's Well Number: LEASURE 2
Farm Name: LEASURE, DELBERT & RUTZ
U.S. WELL NUMBER: 47-103-02526-00-00
Vertical Plugging
Date Issued: 4/28/2022

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

4710302526

- 1) Date March 14, 2022
- 2) Operator's
Well No. Leasure #2
- 3) API Well No. 47-103 - 02526

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 934' Watershed Little Fishing Creek of Ohio River
District Green County Wetzel Quadrangle Porters Falls 7.5'
- 6) Well Operator EQT Production Company 7) Designated Agent Joseph C. Mallow
Address 400 Woodcliff Drive Address 115 Professional Place
Canonsburg PA 15317 Bridgeport WV 26330
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Bryan Harris Name R&J
Address PO Box 157 Address 1087 Raccoon Rd
Volga, WV 26238 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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MAR 22 2022

WV Department of
Environmental Protection

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

Work order approved by inspector Kenneth Greynolds

Digitally signed by Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.
F. Greynolds@wv.gov C = AD O = WVDEP OJ
= Oil and Gas
Date: 2022.03.18 09:19:20 -0400

Date 3/18/22

04/29/2022

Leasure 2H
 Wetzel Co., WV
 HZ Marcellus well
 API # 47-103-02526
 BY: Tyler Mizgorski
 DATE: 3/8/2022

CURRENT STATUS:

Elevation @ 940'
 16" conductor @ 40' Set in Bedrock and Sanded to Surface
 11 3/4" 42.0# H-40 casing @ 919' Cemented to Surface
 8 5/8" 24.0# J-55 casing @ 2,332' Cemented to Surface
 4 1/2" 11.6# P-110 casing @ 6689' TOC @ 4550'
 2 3/8" 4.7# J-55 tubing XN @6499' Ceramic Disk Sub and EOT @6532'

Perforations:

Geneseo: 6532' - 6548' 96 holes
 Slickwater frac with 6,063, 410 sks 100 mesh, 2840 sks 40/70
 Marcellus: 6630' - 6642' & 6648' - 6662' 104 holes
 Slickwater frac with 10,933 bbls, 150 sks 100 mesh, 2600 sks 40/70

No shows noted on WR-35

Fresh water @ N/A

Coal Show @ N/A

Salt Water @ N/A

- 1) Notify Inspector **Brvan Harris (304) 553-6087**, Bryan.O.Harris@wv.gov prior to beginning 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
- 4) Pull 6499' of 2 3/8" J-55 production tubing from well
- 5) Install 10k wireline BOP. Test BOP's and stack to regs. P/U install 10k lubricator. (Call 8hrs before, will need crane truck)
- 6) Equalize lubricator, if necessary and RIH w/ wireline to check TD @6690' IF TD at or near 6690' proceed to step 7. If unable to get to TD, EQT office will call DEP to discuss options.
- 7) TIH with gauge ring to 6532', set a 4 1/2" CIBP @ 6475' not it collar.
- 8) Fill hole with fresh water and run renegade segmented bond log from CIBP at 6475' to surface. Locate and note cement top of production casing. (estimated to be at ~4550')
- 9) Hook up pump truck and pressure test lines to 8000 psi. (Call pump truck 8hrs before)
- 10) POOH w/ wireline and load well with 6% gel
- 11) RIH with tubing to 6475' set 500' C1A plug 6475' to 5975' POOH 300' Reverse circulate full hole volume TOOH 300'
- 12) Let Cement dry for 8 Hours
- 13) Free point 4 1/2" casing, cut casing @ free point using a jet cutter, Estimated Freepoint @4550' TOOH 4 1/2" casing.
- 14) Set a 200' C1A cement plug 100' in/out of casing cut. 4650' to 4450'. Adjust depths based on actual depth of cut. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH 300' with tubing. Let cement cure for 8hrs.
- 15) Check TD. If top of cement is at 4550' (or adjusted depth based on cut) or close. Pump 6% GEL from top of cement to surface. TOOH to 2450' set a 300' C1A cement plug 2450' to 2150'. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH with tubing. Let cement cure 8 hrs. (8 5/8" casing seat).
- 16) Check TD. If top of cement is at 2150' or close. TOOH with tubing.
- 17) TIH with wireline to 2150' If successful TIH with CIBP set @ 2100' TOOH with wireline
- 18) TIH with tubing to 1000' set a 100' C1A cement plug 1000' to 900'. TOOH with tubing. Let cement cure 8 hrs. (Elevation @ 940' and 11 3/4" Casing seat).
- 19) TIH with tubing. Tag Cement. If at 900' or close. TOOH with tubing to 300' Set a 300' C1A cement plug 300' to surface. (Surface Plug)
- 20) Erect monument with API#, date plugged, company name.
- 21) Reclaim location and road to WV-DEP specifications.

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04/29/2022

4710302526P

DATE: January 14, 2020
API #: 47-10302526

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JAN 21 7:57 AM

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

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Well Operator's Report of Well Work

Well name: Leasure Operator Well No.: 2

LOCATION: Elevation: 940' Quadrangle: Porters Falls 7.5"

District: Green County: Wetzel
Latitude: 0 Feet South of 39 Deg. 36 Min. 37.74 Sec.
Longitude 0 Feet West of 80 Deg. 46 Min. 50.50 Sec.

Company: Stone Energy Corporation

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 6000 Hampton Center, Suite B				
Morgantown, WV 26505	16"	40'	40'	sanded in
Agent: Kevin Stiles				
Inspector: David Scranage	11 3/4"	919'	919'	550 SKS
Date Permit Issued: 11-Sep-2009				
Date Well Work Commenced: 5-Oct-2009	8 5/8"	2332'	2332'	560 SKS
Date Well Work Completed: 10-Dec-2009				
Verbal Plugging:	4 1/2"	6689'	6689'	335 SKS
Date Permission granted on: N/A				
Rotary X Cable Rig				
Total Depth (feet): 6690				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Marcellus Pay zone depth (ft) 6630
Gas: Initial open flow 100 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 870 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 98 Hours
Static rock Pressure 1290 psig (surface pressure) after 1 Hours

Second producing formation Geneseo Pay zone depth (ft) 6530
Gas: Initial open flow comingled MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow comingled MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests comingled Hours
Static rock Pressure comingled psig (surface 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 WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

[Signature]
Signature

1/20/10
Date

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1st Stage: Marcellus (6,630' - 6,642' & 6,648' - 6,662') (104 holes)

Slickwater frac with 10,933 bbls, 150 sks 100 mesh, 2600 sks 40/70 sand

2nd Stage: Geneseo (6,532' - 6,548') (96 holes)

Slickwater frac with 6,063 bbls, 410 sks 100 mesh, 2840 sks 40/70 sand

	Top Depth	Bottom Depth
Fill	0	10'
Sand & Shale	10'	1915'
Little Lime	1915'	1985'
Big Lime	1985'	2025'
Big Injun	2025'	2190'
Sand & Shale	2190'	2560'
Berea	2560'	2584'
Sand & Shale	2584'	2758'
Gordon	2758'	2774'
Sand & Shale	2774'	4894'
Riley	4894'	4960'
Sand & Shale	4960'	5096'
Benson	5096'	5114'
Sand & Shale	5114'	5330'
Lower Alexander	5330'	5358'
Shale	5358'	5924'
Rhinestreet	5924'	6330'
Cashaqua	6330'	6441'
Middlesex	6441'	6458'
West River	6458'	6530'
Geneseo	6530'	6550'
Tully	6550'	6630'
Marcellus	6630'	6674'
Onondaga	6674'	6690' TD

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7019 1640 0000 6625 5891

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$ 1.13
Total Postage and F	\$ 7.93



Sent To
 Street and Apt. No.,
 City, State, ZIP+4®
 PS Form 3800, A

DELBERT L LEASURE
6941 MOUNTAINEER HWY
NEW MARTINSVILLE, WV 26155
 40-09 LEASURE #2 - NOTIFICATIONS

7019 1640 0000 6625 5860

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<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
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Total Postage and F	\$ 8.56



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 PS Form 3800, A

HARRISON COUNTY
COAL RESOURCES INC.
46226 NATIONAL ROAD
ST CLAIRSVILLE, OH 43950
 40-09 LEASURE #2 - NOTIFICATIONS

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MAR 22 2022

WV Department of
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04/29/2022

WW-4A
Revised 6-07

1) Date: March 14, 2022
 2) Operator's Well Number
 Lease #2 _____
 3) API Well No.: 47 - 103 - 02526

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


<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Delbert L Lease</u> Address <u>6941 Mountaineer Hwy</u> <u>New Martinsville, WV 26155</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator</p> <p>Name _____ Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>Harrison County Coal Resources Inc.</u> Address <u>46226 National Road</u> <u>St Clairsville, OH 43950</u></p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____ Address _____</p>
<p>6) Inspector</p> <p>Address <u>Bryan Harris</u> <u>PO Box 157</u> <u>Volga, WV 26238</u></p> <p>Telephone <u>304-553-6087</u></p>	

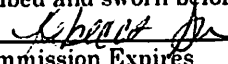
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

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

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the 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 1267706 Member, Pennsylvania Association of Notaries	Well Operator	<u>EQT Production Company</u>
	By:	<u>Ern Spine</u> 
	Its:	<u>Manager - Subsurface Permitting</u>
	Address	<u>400 Woodcliff Drive</u> <u>Canonsburg PA 15317</u>
	Telephone	<u>(724) 271-7380</u>

Subscribed and sworn before me this 14th day of March 2022

 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.

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 Environmental Protection

Operator's Well Number

Leasure #2

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...".

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MAR 22 2022

WV Department of Environmental Protection

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____	_____
Signature		By	_____
		Its	_____
			Date _____
		Signature	04/29/2022
			Date

API No.	<u>47-103-02526 P</u>
Farm Name	<u>Leasure</u>
Well No.	<u>Leasure #2</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 _____

WW-9
(5/16)

API Number 47 - 103 - 02525
Operator's Well No. Lease #2

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

Operator Name EQT Production Company OP Code 306686

Watershed (HUC 10) Little Fishing Creek of Ohio River Quadrangle Porters Falls 7.5'

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

Will a pit be used? Yes No **ANY WELL EFFLUENT WILL BE CONTAINED IN TANKS UNTIL DISPOSED OFF SITE.**

If so, please describe anticipated pit waste:

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. _____

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

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

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

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

Company Official Signature *[Signature]*

Company Official (Typed Name) Erin Spine
Company Official Title Manager - Subsurface Permitting

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WV Department of
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Subscribed and sworn before me this 12th day of March, 2022

[Signature] 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

EQT Production Water plan
Offsite disposals

4710302526D

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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04/29/2022

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: Kenneth Greynolds
Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.L.Greynolds@wv.gov, C = AD, O = WVDEP Oil & Gas
Date: 2022.03.18.09:20:28 -0400

Comments: _____

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Title: Kenneth Greynolds ✓ Date: 3/18/22

Field Reviewed? () Yes () No

Topo Quad: Porters Falls 7.5'

Scale: 1" = 2000'

4710302526P

County: Wetzel

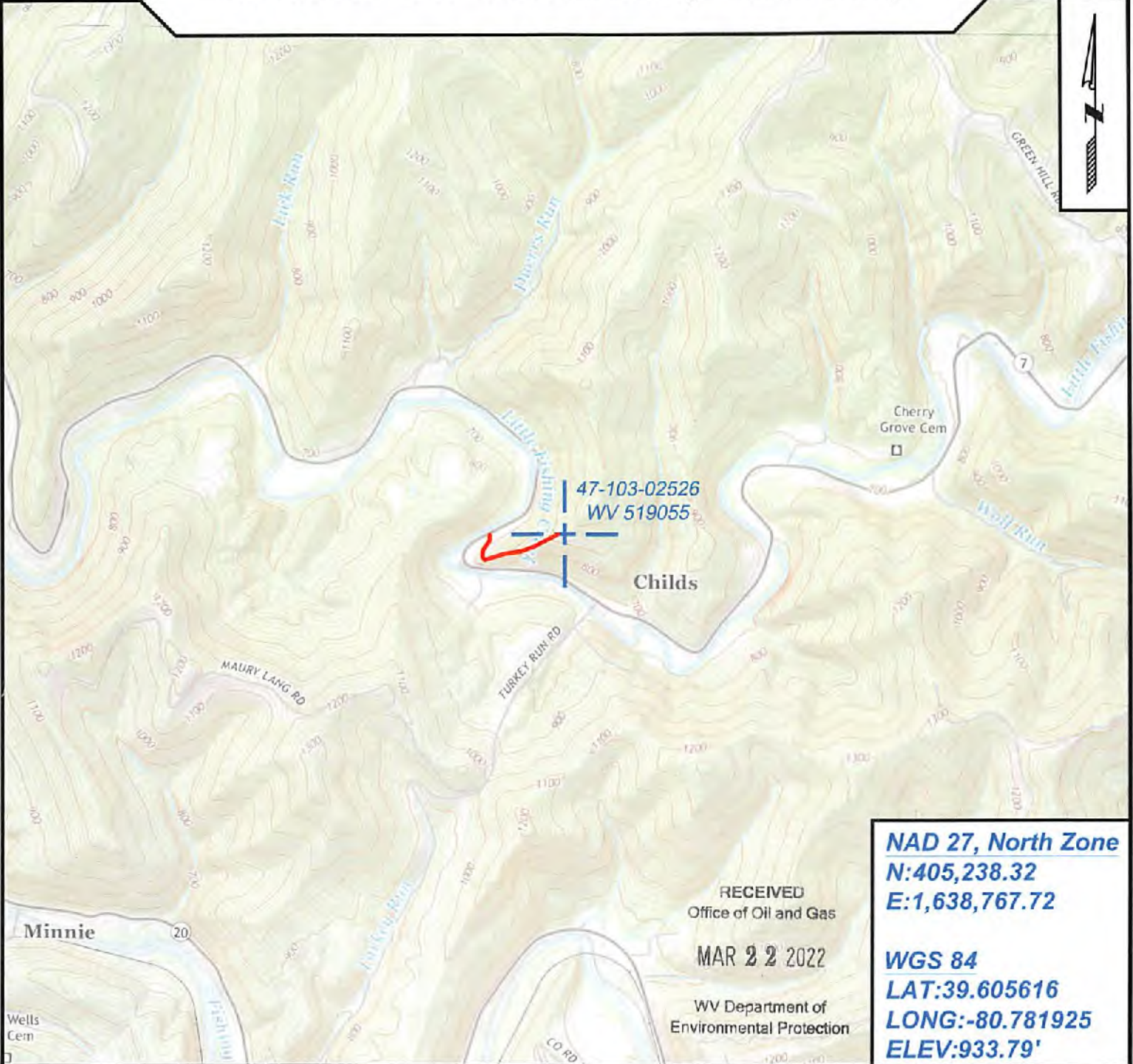
Date: Decmeber 30, 2021

District: Green

Project No: 40-34-00-09

47-103-02526 WV 519055 (Leasure #2)

Topo



47-103-02526
WV 519055

Childs

NAD 27, North Zone
N:405,238.32
E:1,638,767.72

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WGS 84
LAT:39.605616
LONG:-80.781925
ELEV:933.79'



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

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

PREPARED FOR:

EQT Production Company

2400 Ansys Drive
Canonsburg, PA 15317

04/29/2022



4710302526P

Site Pictures

Leasure #2

WV 519055 47-103-02526



Well Site (1)



Well Site (3)



Well Site (2)



WV 519055 Well Head

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Office of Oil and Gas

MAR 22 2022

WV Department of
Environmental Protection

CHARLESTON OFFICE

301 RHH Boulevard Suite 5

Charleston, WV 25309

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

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

ALLEGHENYSURVEYS.COM

04/29/2022

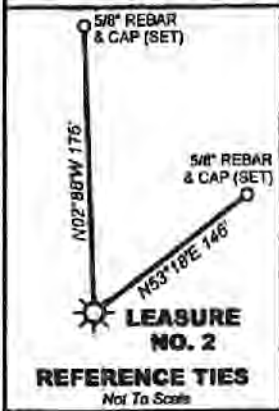
4710302526P

9,000'

LATITUDE 39°37'30"

LONGITUDE 80°45'00"

(+) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP



NORTH

MAGNOLIA DIST. GREEN DIST.

Stephen M. & Jennifer C. Sawyer Tax Map 2 Parcel 13 45.83 Acres

Lemon W. D. Tax Map 14 Parcel 9 115.25 Acres

FENCE INTERSECTION EAST OF DRAIN (FND)

S 00°05'20" W 80.12'

14" BUCKEYE CORNER (FND)

Douglas L. & Carol L. Shree Tax Map 2 Parcel 33 120.193 Acres

DELBERT L. & RUTH LEASURE TAX MAP 2 PARCEL 21 128.16 ACRES

NOTES

SURFACE & ADJOINING DEED INFORMATION BASED ON WETZEL COUNTY ASSESSOR & COUNTY CLERKS RECORDS.

LEASURE NO. 2

STATE PLANE COORDINATES (NAD 27) N405325.396 E1638821.782

LATITUDE / LONGITUDE

LAT. 39.60585 LONG. 80.78173

LEASURE NO. 2

Delbert Leasure
Cemetary
M. E. Church Parsonage



Amanda Morgan Estate Tax Map 2 Parcel 30 7 Acres

LEASURE #2

MSES consultants, inc.

FILE NO. 09-201-Leasure2Well
DRAWN BY HDW/LFL
SCALE 1" = 600'
MIN. DEGREE OF ACCURACY 1 IN 2500
PROVEN SOURCE OF ELEVATION: DGPS (SUBMETER MAPPING GRADE)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT IT SHOWS ALL INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED)

Harold H. Wald
R.P.E. L.L.S. 995



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION



DATE AUGUST 11, 20 09
OPERATOR'S WELL NO. LEASURE NO. 2
API WELL NO. 47 103 02526
STATE COUNTY PERMIT NO.

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

LOCATION: ELEVATION 940.10' WATERSHED LITTLE FISHING CREEK OF OHIO RIVER
DISTRICT GREEN COUNTY WETZEL
QUADRANGLE PORTER FALLS 7.5' NEAREST TOWN CHILDS

SURFACE OWNER DELBERT L. & RUTH LEASURE ACREAGE 128.16
OIL & GAS ROYALTY OWNER DELBERT L. & RUTH LEASURE LEASE ACREAGE 128.16
LEASE NO.

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 6790'
WELL OPERATOR STONE ENERGY CORPORATION DESIGNATED AGENT KEVIN STILES
ADDRESS 6000 HAMPTON CENTER SUITE B ADDRESS 6000 HAMPTON CENTER SUITE B
MORGANTOWN, WV 26505 MORGANTOWN, WV 26505

COUNTY 103
PERMIT NO.

04/29/2022

WW-7
8-30-06



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

API: 47-103-02526 WELL NO.: WV 519055 (Leasure #2)

FARM NAME: Leasure

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Wetzel DISTRICT: Green

QUADRANGLE: Porters Falls 7.5'

SURFACE OWNER: Delbert L. Leasure

ROYALTY OWNER: Delbert Lindsay Leasure / Central Michigan Exploration LLC

UTM GPS NORTHING: 4384009

UTM GPS EASTING: 518721 GPS ELEVATION: 284 m (934 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____
Mapping Grade GPS X : Post Processed Differential X
Real-Time Differential _____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Ben R. Stahl
Signature

P.S. 2092
Title

12/30/21
Date

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Office of Oil and Gas
MAR 22 2022
WV Department of
Environmental Protection

04/29/2022

4710302526P



EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317

CERTIFIED MAIL

Dear Sir or Madam:

Re: Proposed Leasure #2 Gas Well
Green District, Wetzel County, West Virginia

Pursuant to Section 22B-1-9 of the West Virginia Code, enclosed please find copies of the following documents:

- Form WW-4A - Notice of Application to Plug and Abandon a Well (1 copy)
- Form WW-4B - Application for a Permit to Plug and Abandon (1 copy)
- Form WW-7 - WV DEP Well Location Form - Certified Copy
- Form WW-9 - Fluids/Cuttings Disposal & Reclamation Plan (1 copy)

This application is being filed by EQT Production with the Administrator of the Office of Oil and Gas of the West Virginia Department of Environmental Protection. If you have no objections to this well being plugged, please sign the Surface Owner Waiver or Coal Party Waiver (Form WW-B) and return one copy to our office in the enclosed prepaid envelope.

Thank you for your cooperation and consideration. Should you have any questions, comments, or require any additional information, please feel free to contact Becky Shrum at (724) 271-7314.

Sincerely,
EQT PRODUCTION COMPANY

A handwritten signature in blue ink, appearing to read 'Erin Spine'.

Erin Spine
Manager - Subsurface Permitting

Enclosures

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Office of Oil and Gas
MAR 22 2022
WV Department of
Environmental Protection

04/29/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permit (API: 47-103-02526)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Thu, Apr 28, 2022 at 9:22 AM

To: Erin Spine <espine@eqt.com>, John <JZavatchan@eqt.com>, Todd <tklaner@eqt.com>, Olivia Pishioneri <opishioneri@eqt.com>, "Shrum, Becky" <bshrum@eqt.com>, Scott Lemley <slemley@wvassessor.com>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-103-02526 - LEASURE 2

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE


Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

 **47-103-02526 - Copy.pdf**
1328K

 **IR-8 Blank.pdf**
233K

04/29/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Fwd: Plugging Vertical Well Work Permit (API: 47-103-02526)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>
To: "Greynolds, Kenneth L" <kenneth.l.greynolds@wv.gov>

Thu, Apr 28, 2022 at 9:22 AM

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-103-02526 - LEASURE 2

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

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