



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

Friday, May 31, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit approval for WILLEY 1
47-103-02525-00-00

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: WILLEY 1
Farm Name: WILLEY, BERNARD & CAROL
U.S. WELL NUMBER: 47-103-02525-00-00
Vertical Plugging
Date Issued: 5/31/2024

Promoting a healthy environment.

06/07/2024

PERMIT CONDITIONS

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

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing.

1) Date April 22, 2024
2) Operator's
Well No. Wiley #1
3) API Well No. 47-103 - 0225

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 682' Watershed Fishing Creek
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 427 Midstate Drive
Canonsburg PA 15317 Clarksburg, WV 26301

8) Oil and Gas Inspector to be notified Name Stephen McCoy
Address 13016 Indian Creek
Jacksonburg, WV 26377
9) Plugging Contractor Name R&J
Address 1087 Raccoon Road
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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APR 25 2024

WV Department of
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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 Stephen Mccoy Digitally signed by Stephen Mccoy
Date: 2024.04.22 20:05:58 -04'00' Date _____

06/07/2024

Willey, Bernard # 1
L-005778
Wetzel County, WV
Green Township
API # 47-103-02525
By: EQT Corporation
Date: 02/23/2024

Current Status:

16" casing @ 40', sanded in
11 3/4" casing @ 640', cement reported
8 5/8" casing @ 2076', cement reported
4 1/2" casing @ 6522', cement reported
TD: 6533'

Elevation: 686'
Fresh Water @ N/A **105' PER 4710302695**
Salt Water @ 1815'
Coal @ N/A
Gas @ 6258'
Oil @ N/A

***Cement plugs will be cemented with Class A or Class L cement**

1. Notify State Oil and Gas Inspector **Stephen McCoy @ (681) 344-3265**, 48 hours in advance of commencement of plugging operations.
2. Install containment under pertinent equipment and around wellhead.
3. Conduct Tailgate Safety Meeting. Complete JSA's as required.
4. MIRU rig. Begin plugging and abandonment operations.
5. Excavate around well head to attempt to expose any casing(s) covered by earth. Determine the possible presence of any valves.
6. Check pressures on all casings with a gauge. Blow down the well into a grounded tank with a secure line.
7. RIH w. tools to check TD. Notify EQT Rep and DEP OGI of attainable bottom.
8. Load hole w/ Fresh water or Gel water if kill volume is needed.
4 1/2" Casing establish bottom hole plug up to 6150
9. RIH w/ wireline and run CBL on 4 1/2" casing from 6483' to surface to determine bonded casing.
10. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
11. Attempt to pull 4 1/2" casing per DEP regulations of 120% or 5K which is ever greater.
12. Perforate 4 1/2" casing where specified.
13. TIH w/ tubing to last cement top and cement from last cement top to 50' above top perf. Let cement cure.
14. Attempt to shoot off casing where specified, pull 4 1/2" casing.
8 5/8" Casing 8 5/8 casing shoe cement 2126-2026
15. TIH w/ tubing to last cement top and cement from last cement top to 2126' with Class A or Class L cement. Let cement cure.
16. RIH w/ wireline and run CBL on 8 5/8" casing from 2076' to surface to determine bonded casing.
17. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
18. Attempt to pull 8 5/8" casing per DEP regulations of 120% or 5K which is ever greater.
19. Perforate 8 5/8" casing where specified.

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Stephen McCoy
Mccoy
Digitally signed by
Stephen McCoy
Date: 2024.04.22
20:06:10 -04'00'

20. TIH w/ tubing to last cement top and cement from last cement top to 50' above top perf. Let cement cure. **salt water plug-cement 1865-1765**
21. Attempt to shoot off casing where specified, pull 8 5/8" casing. **cement over cut 50in/50out 11 3/4" Casing**
22. TIH w/ tubing to last cement top and cement from last cement top to 690' with Class A or Class L cement. Let cement cure. **11 3/4 casing shoe plug 690-590**
23. RIH w/ wireline and run CBL on 11 3/4" casing from 640' to surface to determine bonded casing.
24. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
25. Attempt to pull 11 3/4" casing per DEP regulations of 120% or 5K which is ever greater.
26. Perforate 11 3/4" where specified by EQT and DEP reps.
27. TIH w/ tubing to last cement top and cement from last cement top to surface.
28. Attempt to shoot off casing where specified, pull 11 3/4". **11/ 3/4 cut plug 50 in/50 out 16" Casing plug over freshwater 155-0**
29. TIH w/ tubing to last cement top and cement from last cement top to 90' with Class A or Class L cement. Let cement cure.
30. RIH w/ wireline and run CBL on 16" casing from 40' to surface to determine bonded casing.
31. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
32. Attempt to pull 16" casing per DEP regulations of 120% or 5K which is ever greater.
33. Perforate 16" where specified by EQT and DEP reps.
34. TIH w/ tubing to last cement top and cement from last cement top to surface.
35. Attempt to shoot off casing where specified, pull 16".
36. Top off well to surface with solid cement as needed.
37. Install above grade monument at least 5' with API#, company information and date plugged.
38. Rig Down, move off.
39. Restore well site and access road according to WV DEP regulations.

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Stephen Mccoy Digitally signed by
Stephen Mccoy
Date: 2024.04.22
20:06:18 -04 00
06/07/2024



Site Pictures
Willey #1
47-103-02525



Willey #1 Well Pad Site



Willey #1 Well Pad Site

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BIRCH RIVER OFFICE

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

BRIDGEPORT OFFICE

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

CHARLESTON OFFICE

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

ALLEGHENYSURVEYS.COM

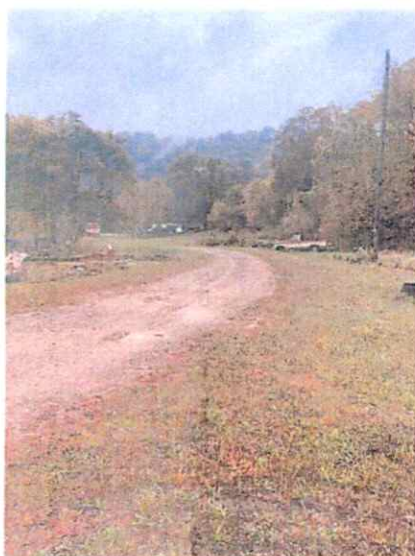
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Willey #1 Well Pad Site



Willey #1 Access Road



Willey #1 Access Road



Willey #1 Access Road

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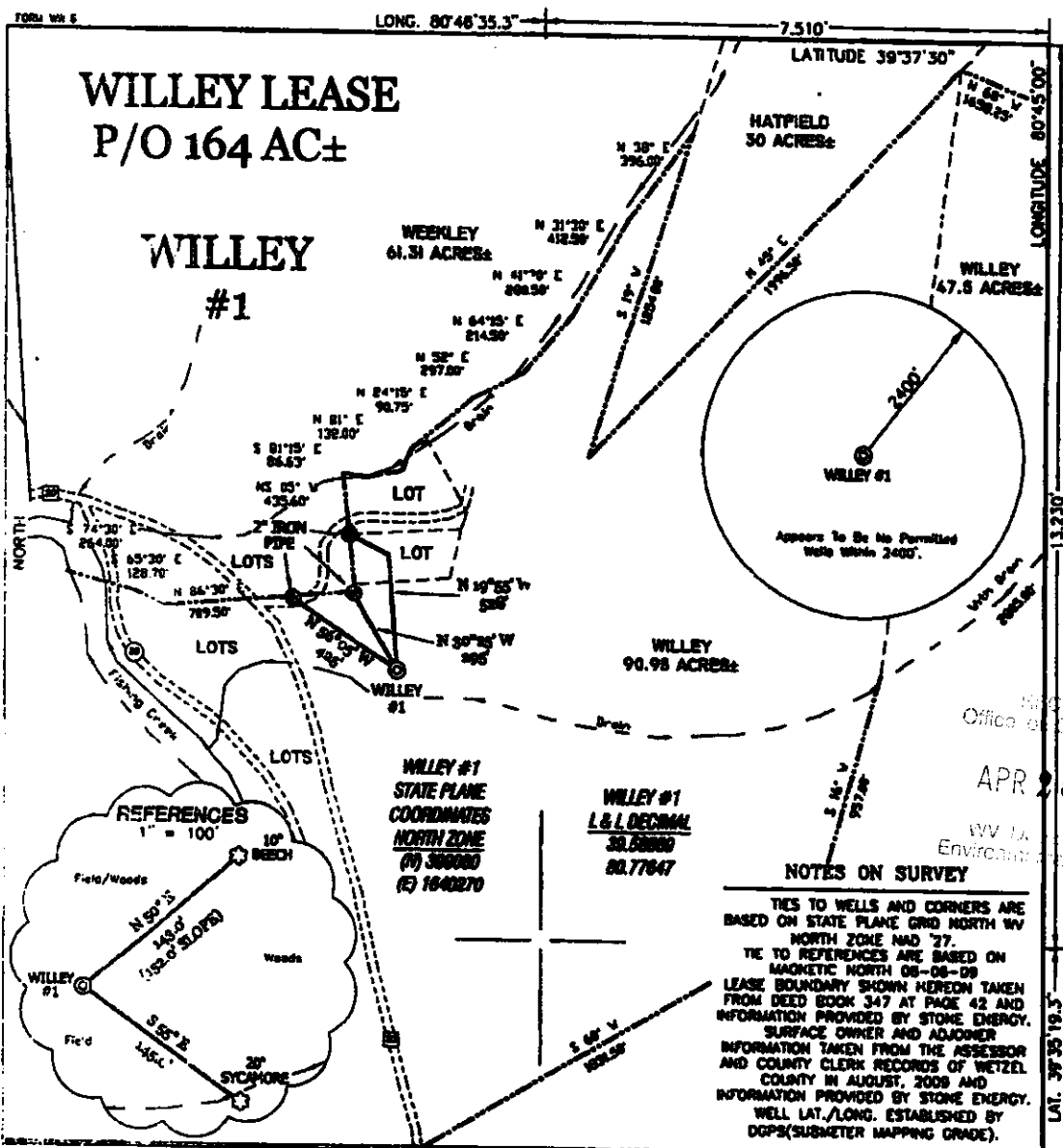


Willey #1 Access Road Approach



Willey #1 Access Road Approach

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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. 834 *Doyle Hupp Jr.*
Professional Surveying & Mapping
P.O. Box 647 Grantsville, WV 26047
(304) 354-7005 Email: hupp@hupp.com

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE AUGUST 8 20 09
OPERATORS WELL NO. WILLEY #1
API WELL NO. 47-103-02525
NO. STATE COUNTY PERMIT



MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W1905 (BK 42-9)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER GRADE) SCALE 1" = 500'

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

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

LOCATION: ELEVATION 686' WATERSHED FISHING CREEK
DISTRICT GREEN COUNTY WETZEL QUADRANGLE PORTERS FALLS 7.5'

SURFACE OWNER BERNARD & CAROLYN WILLEY ACREAGE 90.98±
ROYALTY OWNER BERNARD & CAROLYN WILLEY LEASE ACREAGE 164±

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 MARCELLUS
ESTIMATED DEPTH 4810' → 4533'

WELL OPERATOR STONE ENERGY CORPORATION DESIGNATED AGENT TIM MCCOY
ADDRESS P.O. BOX 52807 LAFAYETTE, LA 70508 ADDRESS 9000 HAMPTON CENTERED SUITE B MORGANTOWN WV 26606

Office of Oil and Gas
APR 25 2024
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION

06/07/2024

WR-35
Rev (5-01)

Deep
6

DATE: January 18, 2010
API #: 47-10302525

CR
A

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

Well Operator's Report of Well Work

Farm name: Willey Operator Well No.: 1

LOCATION: Elevation: 886' Quadrangle: Porters Falls 7.5'

District: Green County: Wetzel
Latitude: 0 Feet South of 39 Deg. 35 Min. 19.284 Sec.
Longitude 0 Feet West of 80 Deg. 48 Min. 35.292 Sec.

Company: Stone Energy Corporation

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>6000 Hampton Center, Suite B</u>				
<u>Morgantown, WV 26505</u>	<u>18"</u>	<u>40'</u>	<u>40'</u>	<u>sanded in</u>
Agent: <u>Kevin Stiles</u>				
Inspector: <u>David Scranage</u>	<u>11 3/4"</u>	<u>640'</u>	<u>640'</u>	<u>369 SKS</u>
Date Permit Issued: <u>11-Sep-2009</u>				
Date Well Work Commenced: <u>17-Sep-2009</u>	<u>8 5/8"</u>	<u>2078'</u>	<u>2078'</u>	<u>500 SKS</u>
Date Well Work Completed: <u>3-Dec-2009</u>				
Verbal Plugging:	<u>4 1/2"</u>	<u>6522'</u>	<u>6522'</u>	<u>320 SKS</u>
Date Permission granted on: <u>N/A</u>				
Motor X Cable Rig				
Total Depth (feet): <u>6533</u>				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>1815</u>				
Coal being mined in area (N/Y)? <u>N</u>				
Coal depths (ft.): <u>N/A</u>				

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WV Department of Environmental Protection

OPEN FLOW DATA

Producing formation Marcellus Pay zone depth (ft) 6363
Initial open flow 120 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 158 Hours
Static rock Pressure N/A psig (surface pressure) after N/A Hours

Second producing formation Genesee Pay zone depth (ft) 6258
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 _____ Hours
Static rock Pressure N/A psig (surface pressure) after N/A Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, REACTIVATION 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.

Russ Hill
Signature

4/9/10
Date

Office of Oil & Gas
APR 25 2024

06/07/2024

Willey #1 (API # 47-10302525)

1st Stage: Marcellus (6,360'-6,387') (162 holes)

Slickwater frac with 11,211 bbls, 750 sks 100 mesh, 4530 sks 40/70 sand

2nd Stage: Geneseo (6,250'-6,275') (150 holes)

Slickwater frac with 8,106 bbls, 510 sks 100 mesh, 3400 sks 40/70 sand

	Top Depth	Bottom Depth
Fill	0	20'
Sand & Shale	20'	1588'
Little Lime	1588'	1614'
Big Lime	1614'	1752'
Big Injun	1752'	1920'
Sand & Shale	1920'	2268'
Berea	2268'	2294'
Sand & Shale	2294'	2462'
Gordon	2462'	2474'
Sand & Shale	2474'	4600'
Riley	4600'	4658'
Sand & Shale	4658'	4770'
Benson	4770'	4784'
Sand & Shale	4784'	5053'
Lower Alexander	5053'	5070'
Shale	5070'	5634'
Mainstreet	5634'	6050'
Cashaqua	6050'	6164'
Middlesex	6164'	6205'
West River	6205'	6258'
Geneseo	6258'	6278'
Italy	6278'	6353'
Marcellus	6353'	6400'
Orondaga	6400'	6533' TD

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APR 25 2024

Office of
Production

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APR 13 2010

WV Department of
Environmental Protection

06/07/2024

WW-4A
Revised 6-07

1) Date: April 22, 2024
2) Operator's Well Number
Willey #1

3) API Well No.: 47 - 103 - 02525

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Bernard E & Carolyn S Willey</u>	Name _____
Address <u>5235 Shortline Highway</u>	Address _____
<u>New Martinsville, WV 26155</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Bernard E & Carolyn S Willey</u>
	Address <u>5235 Shortline Highway</u>
	<u>New Martinsville, WV 26155</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector	(c) Coal Lessee with Declaration
Address _____	Name _____
Telephone _____	Address _____

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APR 25 2024
WV Department of
Environmental Protection

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


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

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Commonwealth of Pennsylvania - Notary Seal
Rebecca Shrum, Notary Public
Beaver County
My commission expires March 9, 2028
Commission number 1267706
Member, Pennsylvania Association of Notaries

Well Operator EQT Production Company

By: Todd Klaner 

Its: Director - Permitting

Address 400 Woodcliff Drive

Canonsburg PA 15317

Telephone (724) 746-9023

Subscribed and sworn before me this 22nd day of April, 2024
Rebecca Shrum Notary Public
My Commission Expires March 9, 2028

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.

06/07/2024

9589 0710 5270 J559 3334 93

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Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee	\$ 4.40
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.45
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$



Postage
\$ 2.35
Total Postage and
\$ 10.40

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

BERNARD E & CAROLYN S WILEY
5235 SHORTLINE HIGHWAY
NEW MARTINSVILLE WV 26155

305-23 WILEY - WV-4A NOTIFICATIONS

PS Form 3800, January 2013

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APR 25 2024
WV Department of
Environmental Protection

WW-4B

API No. 47-103-02525

Farm Name Willey

Well No. Willey #1

**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.

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APR 25 2024
WV Dept. of Environment
Environmental Protection

WAIVER

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

Date: _____

By: _____

Its _____

WW-9
(5/16)

API Number 47 - 103 - 02525
Operator's Well No. Willey #1
cmenet

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 306666

Watershed (HUC 10) Fishing Creek 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

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 _____)

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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) Todd Klaner

Company Official Title Director - Permitting

Subscribed and sworn before me this 22nd day of April, 2024

[Signature]

Notary Public

My commission expires March 9, 2028

Commonwealth of Pennsylvania - Notary Seal
Rebecca Shrum, Notary Public
Beaver County
My commission expires March 9, 2028
Commission number 1267706
Member, Pennsylvania Association of Notaries

06/07/2024

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

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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: Stephen Mccoy Digitally signed by Stephen Mccoy
Date: 2024.04.22 20:05:44 -04'00'

Comments: Properly reclaim, seed, and mulch to DEP standards.

Title: _____ Date: _____

Field Reviewed? () Yes () No

EQT Production Water plan
Offsite disposals

cmenet x | here

Waste Management - Meadowfill Landfill

Rt. 2 Box 68 Dawson Drive
Brooklyn, WV 26330
304-326-6027
Permit #SWF-1032-98
Approval #100785WV

Waste Management - Northwestern Landfill

610 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

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Environmental Protection

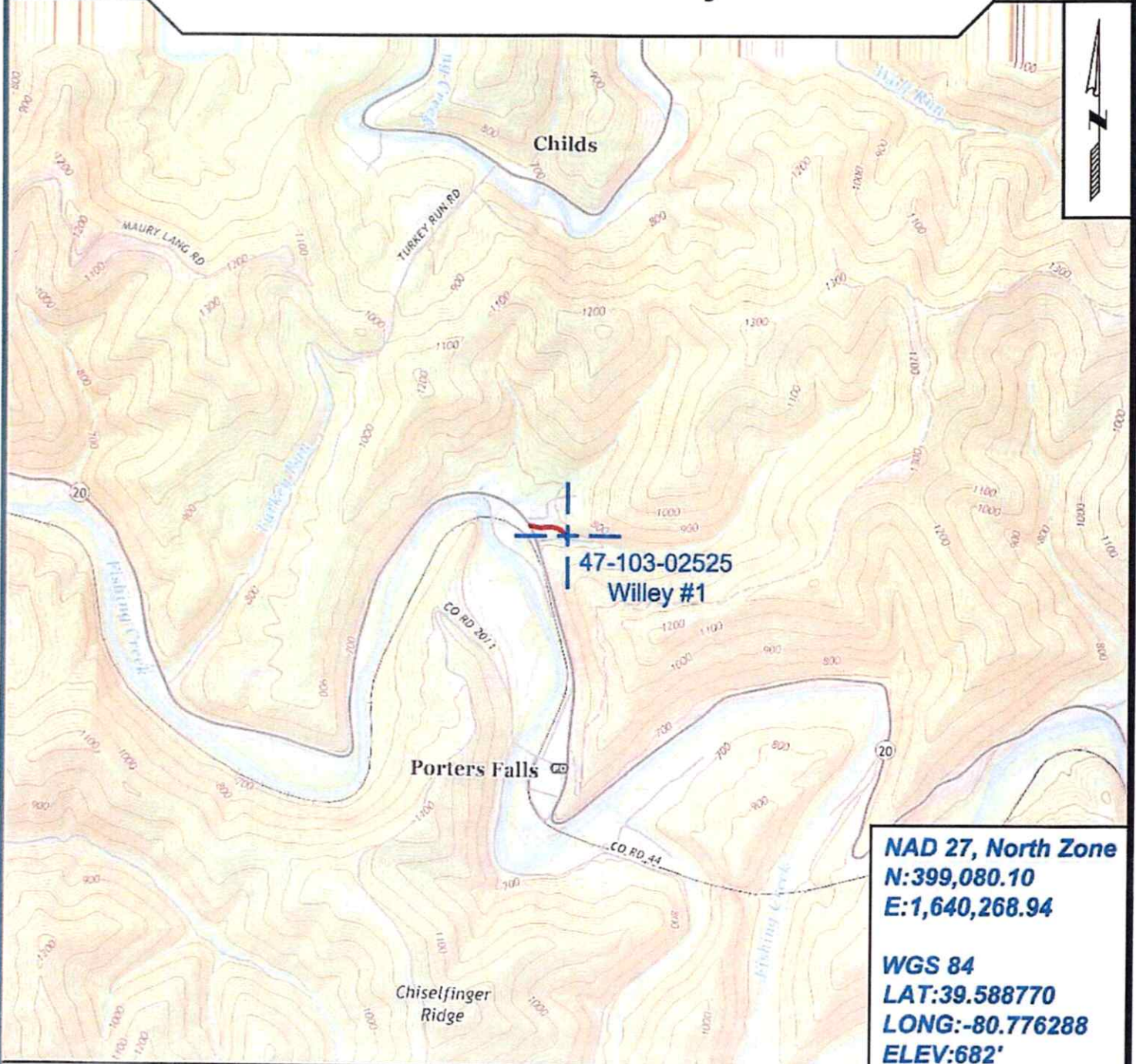
06/07/2024

Topo Quad: Porters Falls 7.5' RECEIVED
Office of Oil and Gas
County: Wetzel APR 25 2024
District: Green WV Department of
Environmental Protection

Scale: 1" = 2000'
Date: January 19, 2024
Project No: 305-34-G-23

47-103-02525 Willey #1

Topo



NAD 27, North Zone
N:399,080.10
E:1,640,268.94

WGS 84
LAT:39.588770
LONG:-80.776288
ELEV:682'



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

06/07/2024



EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317

April 19, 2024

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
Willey #1 Well
Permit Number 47-103-02525
Green District, Wetzel 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

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Office of Oil and Gas
APR 25 2024
WV Department of
Environmental Protection

Enc.

06/07/2024



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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APR 25 2024

WV Department of
Environmental Protection

REPORT OF THE OFFICE

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

FINDINGS OF FACT

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

Promoting a healthy environment.

06/07/2024

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

CONCLUSIONS OF LAW

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

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

ORDER

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

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

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief
Office of Oil and Gas

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Office of Oil and Gas

APR 25 2024

WV Department of
Environmental Protection

06/07/2024

WW-7
8-30-06



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

API: 47-103-02525 WELL NO.: Willey #1

FARM NAME: Willey

RESPONSIBLE PARTY NAME: EQT Production Company RECEIVED
Office of Oil and Gas

COUNTY: Wetzel DISTRICT: Green APR 25 2024

QUADRANGLE: Porters Falls 7.5' WV Department of
Environmental Protection

SURFACE OWNER: Bernard Ely & Carolyn S. Willey

ROYALTY OWNER: _____

UTM GPS NORTHING: 4382140

UTM GPS EASTING: 519210 GPS ELEVATION: 208 m (682 ft)

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

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____
Mapping Grade GPS X : Post Processed Differential X
Real-Time Differential _____

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

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

Bernard Ely
Signature

P.S. 2092
Title

2-15-24
Date

06/07/2024



Via Email

April 23, 2024

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

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Office of Oil and Gas

APR 25 2024

WV Department of
Environmental Protection

**RE: Application for a Permit to Plug & Abandon
 Willey #1H
 API 47-103-02525
 Green District, Wetzel 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

06/07/2024