



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 13, 2023
WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for MARTIN 1H
47-103-02956-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number:
Farm Name: MARTIN, CHARLES & GWEN⁺
U.S. WELL NUMBER: 47-103-02956-00-00
Horizontal 6A Plugging
Date Issued: 4/13/2023

Promoting a healthy environment.

04/14/2023

PERMIT CONDITIONS ⁴⁷ 10302956

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.

04/14/2023

1) Date March 10 3 02 2023
2) Operator's
Well No. Martin #1H
3) API Well No. 47-103 - 0206

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 906' Watershed Little 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 Steve McCoy
Address 13016 Indian Creek
Jacksonburg, WV 26377
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.

RECEIVED
Office Of Oil and Gas

MAR 16 2023

WV Department of
Environmental Protection

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

Work order approved by inspector Stephen Mccoy Digitally signed by Stephen Mccoy
Date: 2023.03.14 10:11:39 -0400 Date 3/14/23

04/14/2023

Martin 1H
Wetzel Co., WV
HZ Marcellus well
API # 4710302956

DATE: 3/9/2023

CURRENT STATUS: (All Depths Based off GL)

20" conductor @ 85' Cemented to Surface
13 3/8" casing @ 915' Cemented to Surface
9 5/8" casing @ 2,221' Cemented to Surface
5 1/2" casing @ 12,894' Cemented to 1160'

TD: 12,894'
TVD: 6,508'
Well is DUC currently Shut-in
Production Casing: 1000 psi
Production Annulus: 0 psi
Intermediate Annulus: 0 psi

Elevation: 906'
Fresh Water: 100'
Coal: 567', 631', 707', 728', 745'
Brine Water: NA
Oil: NA
Gas: 7317'

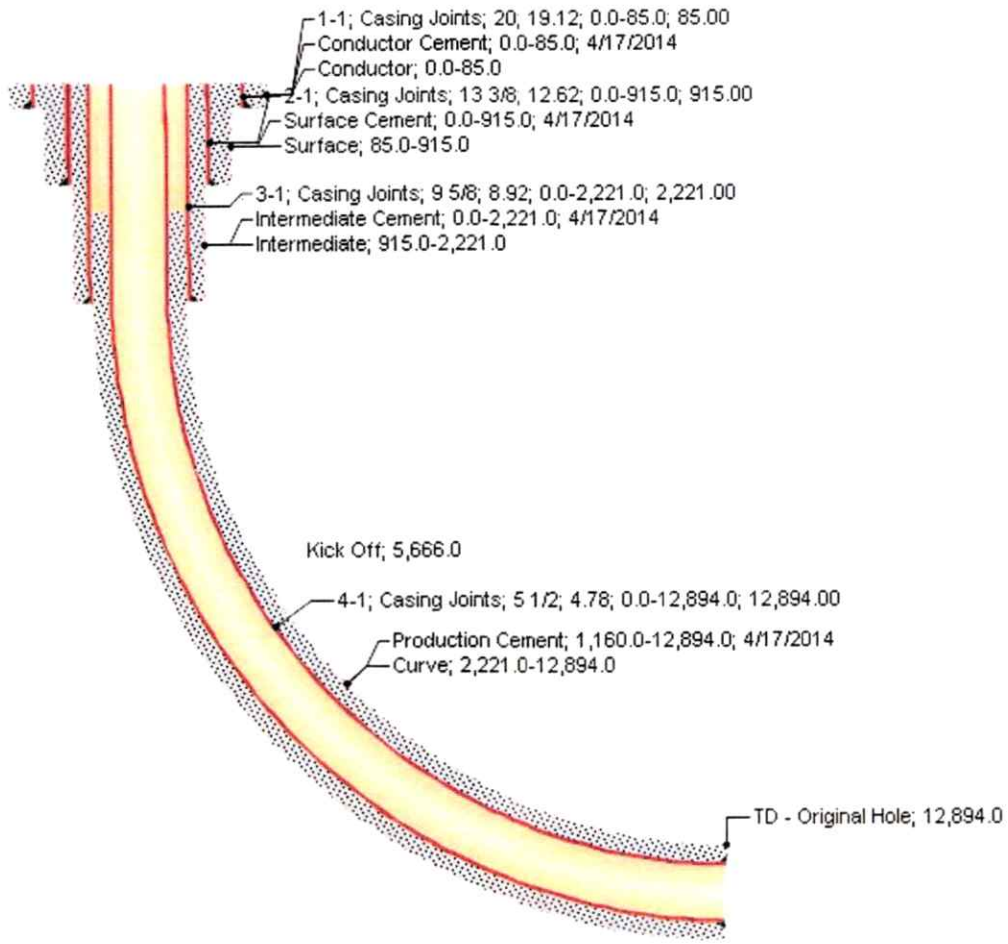
1. Notify Inspectors Stephen McCoy 681 344 3265 prior to beginning operations.
2. Check and record pressure on all casings, notify engineer of recorded pressures.
3. Blow well down and/or kill if necessary.
4. Install 3 to 5 k wireline BOP. Test BOP's and stack to regs. P/U install 3 to 5k lubricator
5. Equalize lubricator, if necessary and RIH w/ Gauge ring to 65 degrees or 20-100' above Marcellus (Marcellus top 7317' MD/6893' TVD). If run is good, move on to step 6, else discuss with EQT Rep and WVDEP.
6. Equalize lubricator, if necessary and RIH w/ wireline and set a CIBP @ 7,287' MD / 6,584' TVD, (30' above the Marcellus formation - 7,317' MD / 6,893' TVD) *Set CIBP in middle of 5 1/2" casing joint.
7. POOH w/ wireline and load well with Fresh Water if not already full
8. Pressure up against CIBP to 500 psig and ensure leak-off is not more than 10% in 15 minutes per regulation.
9. RIH with segmented bond log and pull log from CIBP to surface. Share top of Cement w/ EQT Rep and WVDEP for confirmation on cutting/pulling 5 1/2" casing.
10. TIH with tubing to CIBP and pump 6% gel to 3000'
11. RIH to CIBP and Pump 500' Class A or CL cement plug from 7,287 to 6,787'. Let cement cure. (CIBP Plug)
12. RU and RIH with WL and split shot, shoot 5 1/2" casing off at free point and pull 5 1/2" casing out of hole.
13. TIH with work string and set pump 6% gel to surface, pump 250' balanced plug starting 100' in the casing cut depth if possible (100' in/200' out) of 5 1/2" stub. Let cement cure. (5 1/2" casing cut)
14. TIH w/tubing to 2321' set Class A or CL cement plug from 2321' to 2071' (100' below/150' above 9 5/8" casing set depth) Let cement cure.
15. TIH w/tubing to 1015' and set Class A or CL cement plug from 1015' to surface (covers Elevation depth and all coal shows, 13 3/8" casing seat)
16. PU and set 200' cement plug from 200' to surface (covers surface plug and fresh water show)
17. Remove any surface wellhead equipment.
18. Cut, weld and cap well. Install 6" monument or greater per DEP regulations.

RECEIVED
Oil and Gas
March 16, 2023
WV Department of
Environmental Protection

Stephen
Mccoy

Digitally signed by
Stephen Mccoy
Date: 2023.03.14
10:11:18 -04'00'

04/14/2023



RECEIVED
Office Of Oil and Gas
MAR 16 2023
WV Department of
Environmental Protection

47 10302956



EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317

March 10, 2023

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
Martin #1H Well
Permit Number 47-103- 02956
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.

RECEIVED
Office Of Oil and Gas
MAR 16 2023

Sincerely,

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

John Zavatchan
Project Specialist - Permitting

WV Department of
Environmental Protection

Enc.

04/14/2023 coy



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. ^{Request} _{Office Of Oil and Gas}

MAR 16 2023

WV Department of
Environmental Protection

FINDINGS OF FACT

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

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

CONCLUSIONS OF LAW

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

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

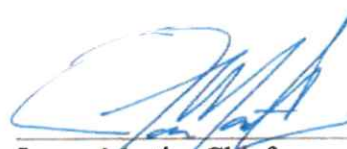
ORDER

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

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

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief
Office of Oil and Gas

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Office Of Oil and Gas
MAR 16 2023
WV Department of
Environmental Protection

WW-4A
Revised 6-07

1) Date: March 10, 2023
2) Operator's Well Number
Marin #1H
3) API Well No.: 47 - 103 - 02956

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>See Attached</u>	Name _____
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
(c) Name _____	Address _____
Address _____	Name _____
Address _____	Address _____
6) Inspector <u>Steve McCoy</u>	(c) Coal Lessee with Declaration
Address <u>13016 Indian Creek</u>	Name _____
<u>Jacksonburg, WV 26377</u>	Address _____
Telephone <u>681-344-3265</u>	Address _____

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 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, 2024
 Commission number 1267706
 Member, Pennsylvania Association of Notaries

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

RECEIVED
Office of Oil and Gas

MAR 16 2023

Notary Public
Department of Environmental Protection

Subscribed and sworn before me this 10th day of March 2023

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.

04/14/2023 McCoy

47 1 0 3 0 2 9 5 6

Martin #1H WW-4A Attachment

SURFACE OWNER:

EQT Production
400 Woodcliff Drive
Canonsburg, PA 15317

COAL OWNERS:

Master Mineral Holdings I, L.P.
223 W. Wall, 9th Floor
Midland, TX 79701

James Steele
1425, 33rd St.
San Diego, CA 92102

Betty Pelligra
2248 Cross Creek
Cuyahoga Fall, OH 4423

Marjorie Hoover
4538 Stagecoach Tr.
Copley, OH 44321

Timothy A. Steele
3361 Province Court
Powell, OH 43065

Country Roads Minerals LLC
P.O. Box 245
Williamstown, WV 26187

Todd D. Steele
201 US Grant Street
LaGrange, OH 44050

Randy L. Steele
5155 Jewell Lane
Paducah, KY 42001

The Jack T. Steele and Jean F. Steele Living Trust; Trustee: Jack T. Steele
808 Chestnut Boulevard
Cuyahoga Falls, OH 44221

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Office of Oil and Gas
MAY 15 2023
WV Department of
Environmental Protection

04/14/2023

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 \$ 9.95

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City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047



EQT PRODUCTION
400 WOODCLIFF DRIVE
CANONSBURG, PA 15317

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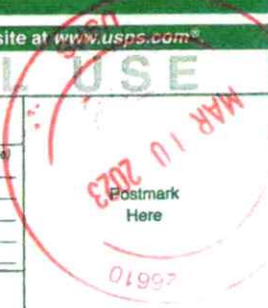
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MASTER MINERAL HOLDINGS I, L.P.
223 W. WALL, 9TH FLOOR
MIDLAND, TX 79701

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JAMES STEELE
1425, 33RD ST.
SAN DIEGO, CA 92102

7021 2720 0000 9233 1276

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BETTY PELLIGRA
2248 CROSS CREEK
CUYAHOGA FALL, OH 4423

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MARJORIE HOOVER
4538 STAGECOACH TR.
COPLEY, OH 44321

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PS Form 3800, April 2015 PSN 7530-02-000-9047

TIMOTHY A. STEELE
3361 PROVINCE COURT
POWELL, OH 43065



04/14/2023

47 10302956

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**COUNTRY ROADS MINERALS LLC
P.O. BOX 245
WILLIAMSTOWN, WV 26187**

PS Form 3800, April 2019

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**TODD D. STEELE
201 US GRANT STREET
LAGRANGE, OH 44050**

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**RANDY L. STEELE
5155 JEWELL LANE
PADUCAH, KY 42001**

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
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Total Postage and	\$
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**JACK T. STEELE
JACK & JEAN STEELE LIVING TRUST
808 CHESTNUT BOULEVARD
CUYAHOGA FALLS, OH 44221**

PS Form 3800, April 2019

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Office Of Oil and Gas
MAR 16 2023
WV Department of
Environmental Protection

04/14/2023

Topo Quad: Porters Falls 7.5'

Scale: 1" = 2000'

County: Wetzel

Date: July 15, 2022

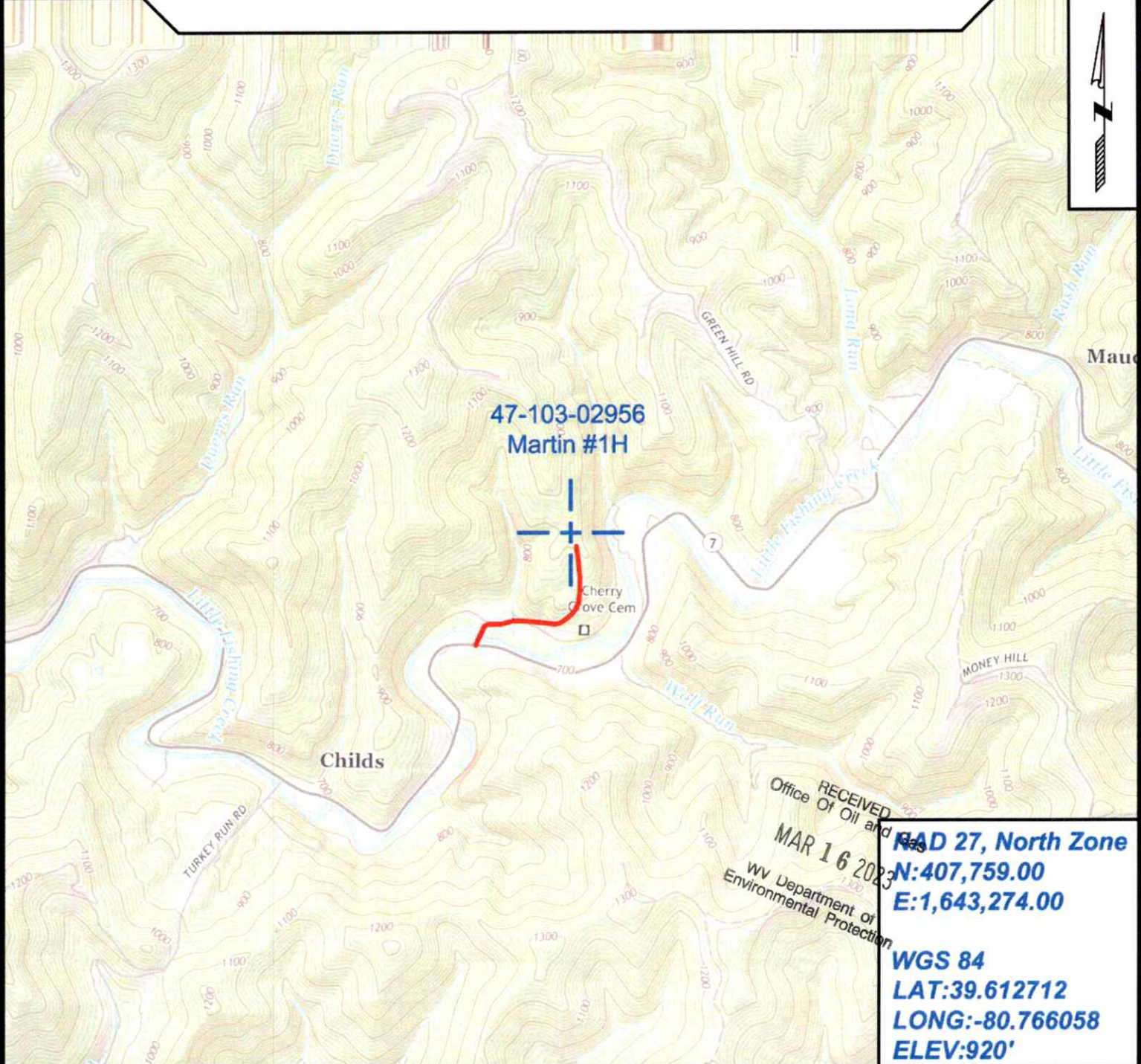
District: Green

Project No: 40-34-00-09

47 103 02956

47-103-02956 Martin #1H

Topo



47-103-02956
Martin #1H



Cherry
Cove Cem

Childs

RECEIVED
Office of Oil and Gas
MAR 16 2023
WV Department of
Environmental Protection

AD 27, North Zone
N:407,759.00
E:1,643,274.00

WGS 84
LAT:39.612712
LONG:-80.766058
ELEV:920'



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

04/14/2023

WW-9
(5/16)

API Number 47-⁰³ 4710302956
Operator's Well No. Martin #1H

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 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 _____)

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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Subscribed and sworn before me this 10th day of March, 2023

[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

Stephen McCoy 04/14/2023

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: Stephen Mccoy Digitally signed by Stephen Mccoy
Date: 2023.03.14 10:10:10 -04'00'

Comments: Properly reclaim, seed, and mulch all disturbed areas.

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Title: WV Oil and Gas Inspector Date: 3/14/23

Field Reviewed? () Yes () No

EQT Production Water plan
Offsite disposals

47 1 0 3 0 2 9 5 6

Waste Management - Meadowfill Landfill

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

Waste Management - Northwestern Landfill

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

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

API: 47-103-02956 WELL NO.: Martin 1H

FARM NAME: Martin

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Wetzel DISTRICT: Green

QUADRANGLE: Porter Falls 7.5'

SURFACE OWNER: EQT Production Company

ROYALTY OWNER: EQT Production Company et. al.

UTM GPS NORTHING: 4384800

UTM GPS EASTING: 520081 GPS ELEVATION: 280 m (920 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 X : Post Processed Differential _____
 Real-Time Differential _____

Mapping Grade GPS _____ : Post Processed Differential _____
 Real-Time Differential _____

- 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.

Bruce R. Shultz
Signature

P.S. 2092
Title

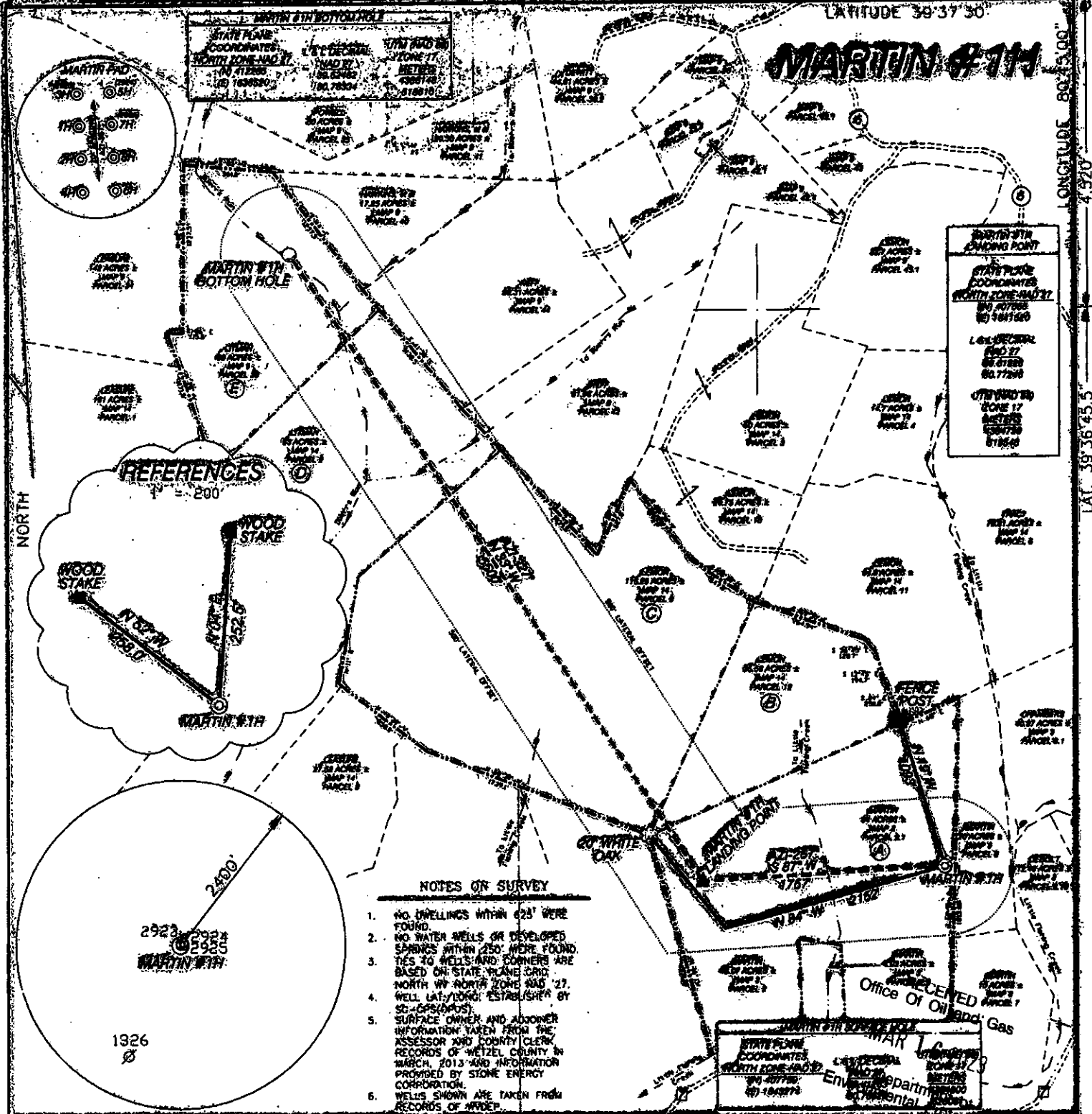
3-10-23
Date

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47-103-02-056

LONG. 80°45'55.5"

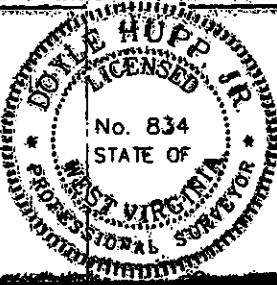
LATITUDE 39°37'30"



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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 834

 DOYLE HUPP SURVEYING & MAPPING
 P.O. Box 647 Grantsville, Wv, 26147
 (304) 354-7035 EMAIL: dhupp@ronnet.net



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 24, 2013
 OPERATORS WELL NO. MARTIN #11H
 API WELL NO. 47-103-02956
 STATE COUNTY PERMIT H&A

MINIMUM DEGREE OF ACCURACY 1/2500
 FILE NO. W2174 (BK 59-37)
 PROVEN SOURCE OF ELEVATION SG-GPS (OPUS)
 SCALE 1" = 1900'

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

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

LOCATION: ELEVATION 920' WATERSHED LITTLE FISHING CREEK
 DISTRICT GREEN COUNTY WETZEL QUADRANGLE PORTERS FALLS 7.5'
 SURFACE OWNER CHARLES & GWENDOLYN MARTIN ACREAGE 54±
 ROYALTY OWNER CHARLES & GWENDOLYN MARTIN, et al LEASE ACREAGE 327.8
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ X 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 T/D 6.650' MD 13.250'

WELL OPERATOR STONE ENERGY CORPORATION DESIGNATED AGENT TIM MCCOY
 ADDRESS P.O. BOX 52807 LAFAYETTE, LA 70508 ADDRESS 6000 HAMPTON CENTER SUITE B MORGANTOWN, WV 26505

COUNTY NAME WETZEL
 PERMIT 04/14/2023

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

API 47 - 103 - 02956 County Wetzel District Green
Quad Porters Falls Pad Name Martin Field/Pool Name Mary
Farm name Martin, Charles and Gwendo Well Number #1H
Operator (as registered with the OOG) Stone Energy Corporation
Address 1300 Fort Pierpont Dr. - Suite 201 City Morgantown State WV Zip 26508

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,384,800 Easting 520,082
Landing Point of Curve Northing 4,384,796 Easting 519,525
Bottom Hole Northing 4,386,146 Easting 518,609

Elevation (ft) 906 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Saturated salt mud which includes Caustic Soda, Barite, Lime, New-Drill, Perma-Lose HT, Xan-Plex D, X-Cide 102, Soda Ash, and Sodium Chloride

Date permit issued 12/11/2013 Date drilling commenced 4/11/2014 Date drilling ceased 9/27/2014
Date completion activities began Not Yet Completed Date completion activities ceased Not Yet Completed
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

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

Freshwater depth(s) ft 100 Open mine(s) (Y/N) depths _____
Salt water depth(s) ft None Reported Void(s) encountered (Y/N) depths N
Coal depth(s) ft 567, 631, 707, 728, 745 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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APPROVED

NAME: Sen M K
DATE: 5-25-17

Received
Office of Oil & Gas

MAY 8 2017

Reviewed by: DH

04/14/2023

API 47-103 - 02956 Farm name Martin, Charles and Gwendo Well number #1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24"	20"	90'	New	LS - 94.1 ppf		N - GTS
Surface	17.5"	13.375"	915' KB - 905' GL	New	J55 - 54.5 ppf	121' & 196'	Y - CTS
Coal	17.5"	13.375"	915' KB - 905' GL	New	J55 - 54.5 ppf	121' & 196'	Y - CTS
Intermediate 1	12.25"	9.625"	2,221'	New	J55 - 36 ppf		Y - CTS
Intermediate 2							
Intermediate 3							
Production	8.75"	5.5"	12,894'	New	P110 - 20 ppf		N - TOC @ 1,160' Calculated
Tubing							
Packer type and depth set		TAM CAP inflatable Packer on 9.625" Casing String @ 774'					

Comment Details Circulated 20 bbls cement to surface on 13.375" casing string. Circulated 35 bbls cement to surface on the 9.625" casing string. Did not circulate any cement to surface on the 5.5" casing string. TOC on 5.5" calculated to be @ 1,160'.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Type 1	34	15.6	1.18	40	Surface	24.0
Surface	HalCem Class "A"	650	15.8	1.24	806	Surface	8.0
Coal	HalCem Class "A"	650	15.6	1.24	806	Surface	8.0
Intermediate 1	Lead-10% Salt Tail -HalCem	Lead-400 Tail-400	Lead-15.6 Tail-15.6	Lead-1.24 Tail-1.21	Lead-498 Tail-484	Surface	12.0
Intermediate 2							
Intermediate 3							
Production	Lead-Tuned@Packer Tail-VanCem	Lead-166 Tail-2,470	Lead-14.5 Tail-15.2	Lead-2.37 Tail-1.20	Lead-293 Tail-2,964	1,160' Calculated	7.0
Tubing							

Drillers TD (ft) 12,900 MD / 8,508 TVD Loggers TD (ft) N/A
 Deepest formation penetrated Marcus Shale Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) 5,988 MD / 5,825 TVD

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

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING Surface casing had bow spring centralizers placed on joints 4, 8, 12, and 16. Intermediate casing had bow spring centralizers placed on joints 4, 8, 12, 16, 20, 24, 28 and 32.
Production casing had rigid spiral centralizers placed on every fourth joint beginning with joint 9 to joint 141. Ran a total of 38 rigid spiral centralizers. Ran bow spring centralizers from joint 145 to joint 177 on every fourth joint and from joint 180 to joint 284 on every third joint. A total of 38 bow spring centralizers were run.

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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MAY 8 2017

WV Department of Environmental Protection

04/14/2023

SURFACE OWNER WAIVER

Operator's Well
Number

47 10302956

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 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,

OFFICE RECEIVED
Office of Oil and Gas
MAY 16 2023
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION

Signature

Date

Name
By

Its

Date

Signature **04/14/2023** Date

API No. 47 10302956
Farm Name Martin, Charles & Gwendolyn
Well No. _____

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

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

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

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

WAIVER

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

47 10302956

Via Email

March 14, 2023

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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**RE: Application for a Permit to Plug & Abandon
 Martin #1H
 API 47-103-02956
 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

04/14/2023



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

plugging permits issued 4710302956 4710302958 4710302960

1 message

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

Thu, Apr 13, 2023 at 9:56 AM


To: "Shrum, Becky" <BShrum@eqt.com>, Stephen E McCoy <stephen.e.mccoy@wv.gov>, slemley@wvassessor.com


To whom it may concern plugging permits have been issued for 4710302956 4710302958 4710302960.


James Kennedy


WVDEP OOG


6 attachments


 **IR-8 4710302960.pdf**
120K

 **IR-8 4710302958.pdf**
120K

 **ir-8 4710302956.pdf**
120K

 **4710302956.pdf**
4897K

 **4710302958.pdf**
4909K

 **4710302960.pdf**
4404K

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