

#### west virginia department of environmental protection

Office of Oil and Gas 601 57<sup>th</sup> 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 8H

47-103-02960-00-00

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: MARTIN 8H

Farm Name: MARTIN, CHARLES & GWE

U.S. WELL NUMBER: 47-103-02960-00-00

Horizontal 6A Plugging Date Issued: 4/13/2023

#### PERMIT CONDITIONS

4710302960

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.

| 1) Date March 10 7<br>2) Operator's 0 3 | n 4083 f () |
|---|-------------|
| 2) Operatof's                           | 0 2 3 0 0   |
| Well No. Martin #8H                     |             |
| 3) APT Well No. 47-103                  | - 02980     |

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

| APPLICATION | FOR | A | PERMIT | TO | PLUG | AND | ABANDON |
|-------------|-----|---|--------|----|------|-----|---------|

|            | APPLICATION FOR A PER                                   | MIT TO PLUG AND A  | ANDON   |
|------------|---|--|---|
| 4)         | Well Type: Oil/ Gas X/ Liquid                           | d injection/   | Waste disposal/                                     |
|            | (If "Gas, Production or Un                              | · · · · · · · · · · · · · · · · · · ·                            |   |
| 5)         | Location: Elevation 906                                 | Watershed Little Fi  | shing Creek   |
| •          | District Green  |  | Quadrangle Porters Falls 7.5'                       |
| ٤١         | Well Operator EQT Production Company                    | 71 Daniel and Barrier and Barrier                                | losenh C. Mellow                                    |
| 0)         | Address 400 Woodcliff Drive                             |  | ant Joseph C. Mallow<br>Less 427 Midstate Drive     |
|            | Canonsburg PA 15317                                     | Addre  | •   |
|            | Carlottsburg FA 15517                                   |  | Clarksburg, WV 26301                                |
| 8)         | Oil and Gas Inspector to be notified Name Steve McCoy   | 9)Plugging Contr<br>Name <b>R&amp;J</b>                          | actor   |
|            | Address 13016 Indian Creek                              | Address 10   | 087 Raccoon Rd                                      |
|            | Jacksonburg, WV 26377                                   | _  | ueysville, KY 41640                                 |
|            |   |  |   |
|            |   |  | MAR 1 6 2023  V Department et ironmental Protestien |
|            |   |  |   |
|            |   |  |   |
| oti<br>ork | fication must be given to the district of can commence. | l and gas inspect  | or 24 hours before permitted                        |
| ork        | order approved by inspector Stephen Mc                  | Olgitally signed by Stephen Mccoy Date: 2023.03.14 10:30:05 -041 | oo Date   |
|            |   |  |   |

Martin 8H Wetzel Co., WV HZ Marcellus well API # 4710302960

DATE: 3/9/2023

**CURRENT STATUS: (All Depths Based off GL)** 20" conductor @ 85' Cemented to Surface 13 3/8" casing @ 901' Cemented to Surface 9 5/8" casing @ 2,230' Cemented to Surface

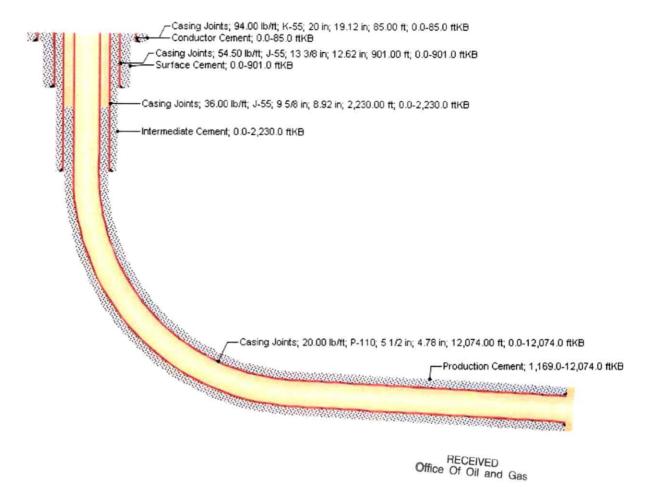
5 1/2" casing @ 12,074' Cemented to 1169'

TD: 12,074' TVD: 6.676' Well is DUC currently Shut-in Production Casing: 1000 psi Production Annulus: 0 psi Intermediate Annulus: 0 psi

Elevation: 906' Fresh Water: 108' Coal: 634', 714', 750' Brine Water: NA Oil: NA Gas: 7024'

- 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 5 k lubricator
- 5. Equalize lubricator, if necessary and RIH w/ Gauge ring to 65 degrees or 20-100' above Marcellus (Marcellus top 7024' MD/6619' 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 @ 6,994' MD / 6,610' TVD, (30' above the Marcellus formation - 7024' MD/6619' 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 with EQT rep and WVDEP for confirmation on cutting/pulling 5 ½" casing. RECEIVED Office Of Oil and Gas
- 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 6,994' to 6,494' Let cement cure. (CIBP Plug)
- 12. RU and RIH with WL and split shot, shoot 5 ½" casing off at free point and pull 5 ½" casing out of hole.

  13. TIH with work string and set pump 6% gel to surface, pump 25% and pull 5 ½" casing out of hole. 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 2330' set Class A or CL cement plug from 2330' to 2080' (100' below/150' above 9 5/8" casing set depth) Let cement cure.
- 15. TIH w/tubing to 1006' and set Class A or CL cement plug from 1006' to 534' (covers Elevation depth and all coal shows, 13 3/8" casing seat)
- 16. TIH w/tubing to 200' and set Class A or CL cement plug from 200' to surface (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.



Office Of Oil and Gas

MAR 1 6 2023

WV Department of Environmental Protection



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 #8H Well

Permit Number 47-103-02960 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 72 45746 9073.

MAR 1 6 2023

WV Department of Environmental Protection

Sincerely,

John Zavatchan

Project Specialist - Permitting

Enc.



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            | ) | ORDER NO. | 2022-13 |
| SECTION 14.1. AND LEGISLATIVE RULE | j |           |         |
| 35CSR8 SECTION 20.1,               | ) |           |         |
| RELATING TO THE CEMENTING          | ) |           |         |
| OF OIL AND GAS WELLS               | ) |           |         |

#### 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 the Carlo Ca Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute

MAR 1 6 2023

#### FINDINGS OF FACT

WV Department of Environmental Protection

- 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.
- 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 monogramed 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 Office Of Oil and Gas

MAR 1 6 2023

WV Department of Environmental Protection

RECEIVED

James Martin, Chief

Office of Oil and Gas

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|-----|-----|---|---|---|-------|-----|---|---|
| T.: | . 1 | v | 4 | • | Henry | AL. | - |   |

1) Date: March 10, 2023 \*\*
2) Operator's Well Number
Martin #8H

3) API Well No.: 47 -

103 -

02960

### 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   |   | (a) Coal Operator   | AWELL   |
|--|---|---|---|
| (a) Name See Atta  |   | Name  |   |
| Address  |   | Address   |   |
|  |   |   |   |
| (b) Name   |   | (b) Coal Owner(s) with Decl   | aration   |
| Address  |   | Name See Attached   |   |
|  |   | Address   |   |
| (c) Name   |   | Name  |   |
| Address  |   | Address   |   |
| 6) Inspector Steve M   | cCov.   | (c) Coal Lessee with Declara  | as Vocari   |
|  | ndian Creek   | Namo  |   |
|  | burg, WV 26377  | Address   |   |
| Telephone 681-344-   |   | - Hudress   |   |
| •  |   |   |   |
| Take notice that under<br>accompanying documen<br>Protection, with respect<br>the Application, and the | equired to take any action at all.  Chapter 22-6 of the West Virginia Counts for a permit to plug and abandon at to the well at the location described of | ghts regarding the application which are summa<br>de, the undersigned well operator proposes to file<br>well with the Chief of the Office of Oil and Gas,<br>on the attached Application and depicted on the<br>distribution of the proposed of the proposed of the proposed of the proposed of the control of the proposed of the Chief. | e or has filed this Notice and Application and<br>West Virginia Department of Environmental |
|  | Well Operator   | EQT Production Company  | RECEIVED Office Of Oil and Gas  |
| mmonwealth of Pennsylvania - No<br>Rebecca Shrum, Notary Pub   | olic By:  | Erin Spine  |   |
| Beaver County  | Its:  | Manager - Subsurface Permitting   | MAR 1 6 2023  |
| My commission expires March 9<br>Commission number 126770  | .2024 Address   | 400 Woodcliff Drive   | WV Department of  |
| mber, Pennsylvania Association of  | Notaries  | Canonsburg PA 15317   | Environmental Protection  |
|  | Telephone   | (724) 271-7380  |   |
| Subscribed and sworn be  | efore methis 18 th da   | ay of March 2023<br>Notary F  | 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 depprivacyoffier# wv.gov.

#### Martin #8H WW-4A Attachment

#### **SURFACE OWNER:**

EQT Production 400 Woodcliff Drive Canonsburg, PA 15317

#### **COAL OWNERS:**

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

James Steele 1425, 33<sup>rd</sup> 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

MAR 16 2023

WV Department of Environmental Protection









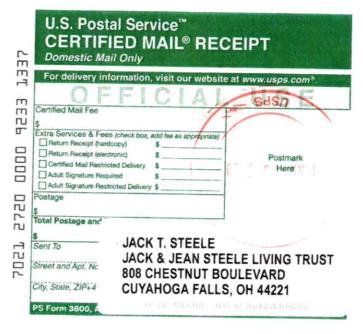


| 90     | U.S. Postal Service™ CERTIFIED MAIL® RECEIPT  Domestic Mail Only   |
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| 77     | For delivery information, visit our website at www.usps.com®.  |
| 533    | Certified Mail Fee Office Of Oil and Gas E   |
| 6 0000 | \$ Extra Services & Fees (check box, add fee as appropriate   16 2022)    Return Receipt (inard-copy) \$ MAR   16 2022)    Return Receipt (electronic) \$   Certified Mail Restricted Delivery \$   Adult Signature Required \$   WV Department   Protection   Adult Signature Restricted Delivery \$   Environmental   Protection   Environmental   Environme |
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|        | PS Form 3800, April 2015 PSR7830-02-000-9081 See Hever's Commonwealth  |





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RECEIVED Office Of Oil and Gas

MAR 16 2023

WV Department of Environmental Protection Topo Quad:

Porters Falls 7.5'

Scale:

1" = 2000"

County:

Wetzel

Date:

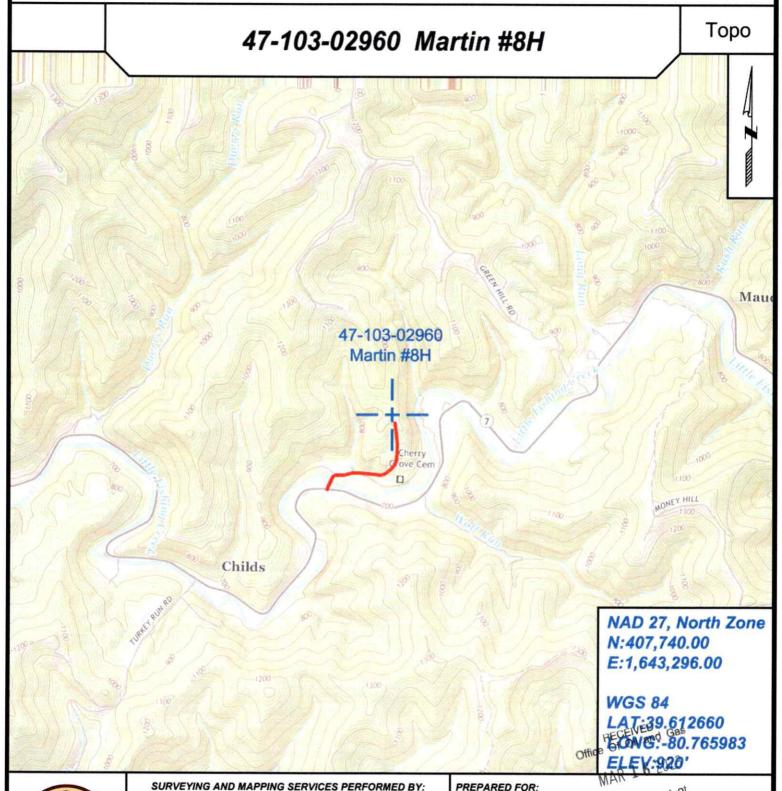
4710302960 July 15, 2022

District:

Green

Project No:

40-34-00-09



#### ALLEGHENY SURVEYS, INC.

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

## EQT Production Company

400 Woodcliff Drive Canonsburg, PA 15317

04/14/2023

| API Number 47 -    | 103 | _02960  |
|--------------------|-----|---------|
| Operator's Well No | Mar | tin #8H |

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

| Operator Name EQT Production Company   | DP Code 306686  |
|--|---|
| Watershed (HUC 10) Little Fishing Creek Quadrangle Por   |   |
| 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:  |   |
| 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 W Underground Injection (UIC Permit Number  | on)   |
| Will closed loop systembe used? If so, describe:   |   |
| Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, o  |   |
| -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 Cas of any load of drill West Virginia solid waste facility. The notice shall be provided within 24 hours of rejewhere it was properly disposed.   | cuttings or associated waste rejected at any  |
| I certify that I understand and agree to the terms and conditions of the GENE on April 1, 2016, by the Office of Oil and Cas of the West Virginia Department of Exprovisions of the permit are enforceable by law. Violations of any term or condition of or regulation can lead to enforcement action.  I certify under penalty of law that I have personally examined and am far application form and all attachments thereto and that, based on my inquiry of those ince the information, I believe that the information is true, accurate, and complete. I am submitting false information, including the possibility of fine or imprisonment. | nvironmental Protection. I understand that the f the general permit and/or other applicable law miliar with the information submitted on this dividuals immediately responsible for obtaining |
| Company Official Signature   | RECEIVED Office Of Oil and Gas  |
| Company Official (Typed Name) Erin Spine   |   |
| Company Official Title Manager - Subsurface Permitting   | MAR 1 6 7023  |
|  | WV Department of<br>Environmental Pretection  |
| Subscribed and sworn before menths 10 day of March  Subscribed and sworn before menths 10 day of March  My commission expires March 9, 2024  | Notary Public  Notary Public  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  |

StepholdMd/2023

Operator's Well No.\_Martin #8H

| oposed Revegetation Treatme  | nt: Acres Disturbed   | 1±  | Prevegetation pH  |   |
|--|---|---|---|---|
| Lime 3   | Tons/acre or to   | correct to p  | H 6.5   |   |
| Fertilizer type (10  | )-20-20) or equival   | ent   |   |   |
| Fertilizer amount_1  | /3 ton  |   | lbs/acre  |   |
| Mulch 2  |   | Tons  | s/acre  |   |
|  |   | Se  | ed Mixtures   |   |
| Te   | emporary  |   | Perma   | anent   |
| 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, ping provided). If water from the (L, W), and area in acres, of the Photocopied section of involved.                | pit will be land applie<br>the land application a                             | ed, provide warea.  | cation (unless engineered plans incluvater volume, include dimensions (L.           | iding this info have been, W, D) of the pit, and dime |
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## EQT Production Water plan Offsite disposals

47 1 0 3 0 2 9 6 0

#### **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

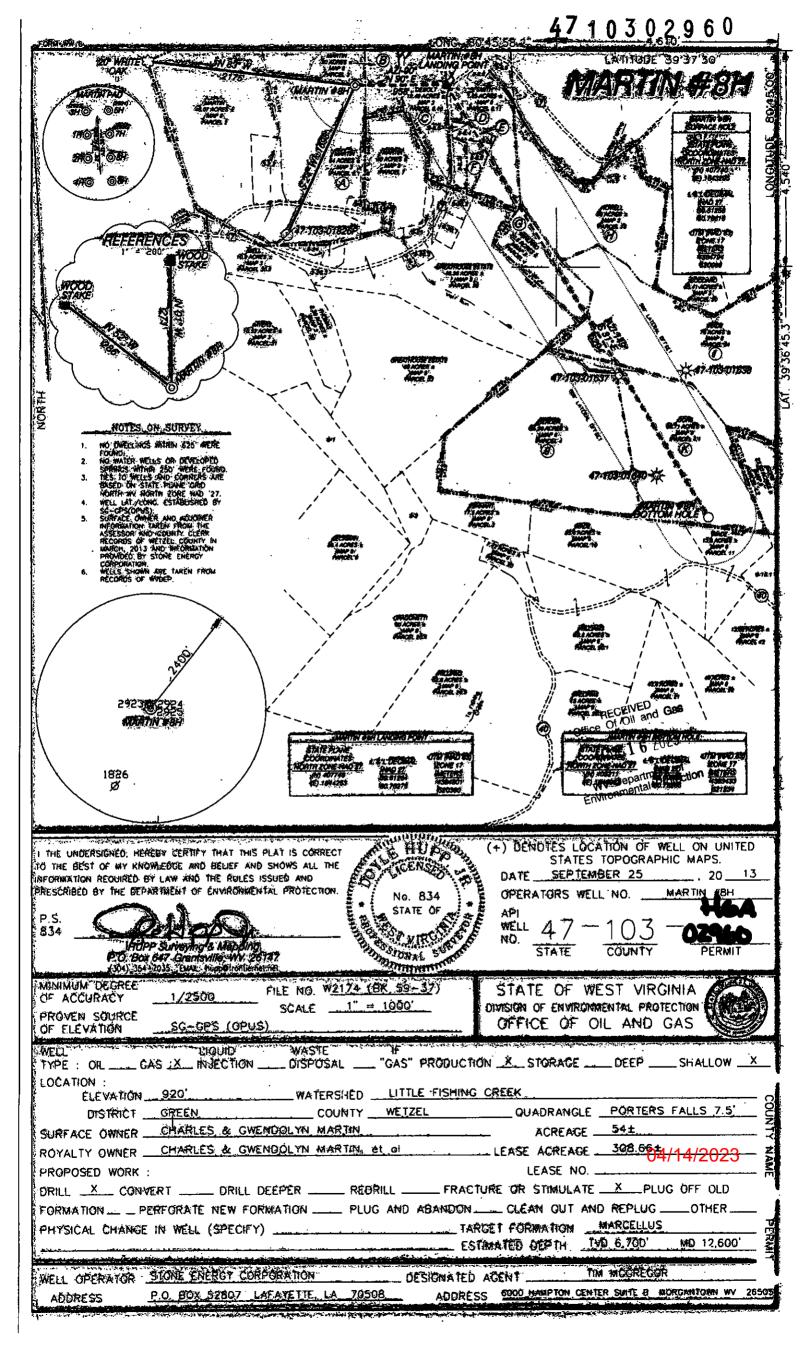
512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit #SWF-1025 WV-0109400 Approval #100833WV

Office WAR 16 2023



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

| API: 47-103-02960 WELL NO  | O.: Martin 8H   |   |
|--|---|---|
| FARM NAME: Martin  |   |   |
| RESPONSIBLE PARTY NAMI   | E: EQT Production Compa   | ny  |
| COUNTY: Wetzel   | DISTRICT:   | Green   |
| QUADRANGLE: Porter Falls   | 7.5'  |   |
| SURFACE OWNER: EQT P   | roduction Company   |   |
| ROYALTY OWNER: EQT P   | roduction Company et. al.   |   |
| UTM GPS NORTHING: 43847  | 794   |   |
| UTM GPS EASTING: 52008   | GPS ELEVATION   | ON: 280 m (920 ft)  |
| The Responsible Party named abore preparing a new well location plat above well. The Office of Oil and the following requirements:  1. Datum: NAD 1983, Zo height above mean sea 2. Accuracy to Datum – 3 3. Data Collection Method Survey grade GPSX  Mapping Grade GPSX  4. Letter size copy of the I the undersigned, hereby certify the belief and shows all the information prescribed by the Office of Oil and | for a plugging permit or assignate will not accept GPS coordine: 17 North, Coordinate Unitlevel (MSL) – meters05 meters d:: Post Processed Different Real-Time Differential: Post Processed Different Real-Time Differential: topography map showing the short of the best control of the second permits and the registers. | gned API number on the redinates that do not meet its: meters, Altitude:  ial X Mark College and gulations issued and |
| Signature  | P.S. 2092<br>Title  | 3-10 - 23<br>Date   |



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OHICE

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

| API 47 - 103 -  | 02960 County Wetz   | el Di  | strict Green   |  |
|---|---|--|--|--|
| Quad Porters Falls  | Pad Name Ma   |  | eld/Pool Name Ma                                     | ry   |
| Farm name Martin, Cha   |   |  | /ell Number #8H                                      |  |
|   | ith the OOG) Stone Energy C   | Corporation  |  |  |
| Address 1300 Fort Pier  | rpont Dr Suite 201 City   | Vorgantown   | State WV   | Zip 26508                                  |
|   | D 83/UTM Attach an as-dr<br>p hole Northing 4,384,794   | rilled plat, profile view, and d   | leviation survey<br>g 520,088                        |  |
| Landing Point of  | · · · · · · · · · · · · · · · · · · ·   |  | g 517,719  |  |
|   | m Hole Northing 4,383,436   |  | 521,238  |  |
| Elevation (ft) 906  Permit Type   Deviate                           |   | II ■New □ Existing   | , /  | Interim Final  Deep Shallo                 |
|   | nvert □ Deepen 💣 Drill  |  |  | Stimulate                                  |
|   | osal □ CBM  |  | ,  | age 🗆 Other                                |
| Drilling Media Surface Production hole Air Mud Type(s) and Additive | ■ Rotary  hole ■ Air □ Mud ■Fresh  ■ Mud □ Fresh Water □ B  /e(s) nich includes Caustic Soda, l | rine   |  | ■ Fresh Water □ Bri<br>an-Plex D, X-Cide 1 |
| Soda Ash, and Sodium  | m Chloride  |  |  | G G  |
| Date permit issued  | Date drilling costs began Not Yet Completed  N Date permission gran                             | ommenced 6/5/2014  Date completion activited                                 | Date drilling ce<br>ies ceased Not You<br>Granted by | ased Child 11/19/2014                      |
| Please note: Operator is re   | equired to submit a plugging app  | dication within 5 days of vert   | oal permission to plu                                | Wy Johney.                                 |
| Please note: Operator is re<br>Freshwater depth(s) ft               | 400   |  |  | Wy Johney.                                 |
|   | 400   | Open mine(s) (Y/N) dep   | ths  | g Englower.                                |
| Freshwater depth(s) fl _  | 108   |  | thsN) depths   | 8 N  |
| Freshwater depth(s) ft  | 108<br>None Reported<br>634, 714 and 750  | Open mine(s) (Y/N) dep<br>Void(s) encountered (Y/<br>Cavern(s) encountered ( | thsN) depths   | R N N                                      |

DATE: 5-25-12

WR-35 Rev. 8/23/13 API 47-103 02960 Martin, Charles and Gwendo \_Well number\_#8H CASING Hole Casing New or Grade Basket Did cement circulate (Y/N) **STRINGS** Size Size Depth Used wt/ft \* Provide details below\* Depth(s) Conductor 24" 20" LS - 94.1 ppf 85 New N - GTS Surface 17.5" 13.375" 904 New J55 - 54.5 ppf 120' & 201' Y-CTS Coal 17.5" 13.375" 904 New J55 - 54.5 ppf 120' & 201' Y - CTS Intermediate I 12.25 9.625" 2.231' New J55 - 36 ppf Y-CTS Intermediate 2 Intermediate 3 Production 8.75\* 5.5\* 12,072 New P110 - 20 ppf N - TOC @ 1,169' Calculated Tubing Packer type and depth set TAM CAP inflatable Packer on 9.625" Casing String @ 775" Comment Details Circulated 30 bbts cement to surface on 13.375" casing string. Circulated 30 bbts 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 @ 1,169". CEMENT Class/Type Number Slurry Yield wac Volume Cement DATA of Cement of Sacks wt (ppg) ft 3/sks Top (MD) (hrs) Conductor Type 1 34 15.6 1.18 40 Surface 24.0 Surface HalCem Class "A" 670 15.6 1.21 811 Surface 8.0 Coat HalCem Class "A" 670 15.6 1.21 811 Surface 8.0 Intermediate I Lead-HalCem Tail-HalCem Lead-400 Tail-400 Lead-15.6 Tall-15.6 Lead-1.24 Tall-1.21 Lead-496 Tell-484 Surface 12.0 Intermediate 2 Intermediate 3 Production .eed-TunedBoacer3 Tell-VariCom Lead-279 Tall-2,295 Lead-14.5 Tall-15.2 Lead-1.51 Tall-1.20 Lead-421 Tall-2,754 1,169' Calculated 7.0 Tubing Drillers TD (ft) 12,075 MD / 6,683 TVD Loggers TD (ft) NA Deepest formation penetrated Marcellus Shale Plug back to (ft) Plug back procedure Kick off depth (ft) 5,672 MD / 5,850 TVD Check all wireline logs run a caliper □ density ■ deviated/directional □ induction o neutron □ resistivity 🖪 gamma ray □ temperature **□sonic** Well cored □ Yes ■ No Conventional Sidewall Were cuttings collected No DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

Joints 4. 8. 12, 16 and 20. Information casing had bow spring contralizers placed on joints 4. 8. 12, 16 and 22.

Production casing had rigid spiral centralizers placed on every fourth inint handening with inint to the contralizers placed on every fourth inint handening with inint to the contralizers placed on every fourth inint handening with inint to the contralizers placed on every fourth inint handening with inint to the contralizers placed on every fourth inint handening with inint to the contralizers placed on every fourth inint handening with inint to the contralizers placed on every fourth inint handening with inint to the contralizers placed on the contralizers placed Production casing had rigid spiral centralizers placed on every fourth joint beginning with joint 14 to joint 242. Ran a total of 57 rigid spiral centralizers. Ran begin on every eighth joint. A total of 5 bow spring centralizers were run. WAS WELL COMPLETED AS SHOT HOLE □ Yes 🚪 No DETAILS

□ Yes & No

**DETAILS** 

TYPE OF TRACER(S) USED

WAS WELL COMPLETED OPEN HOLE?

WERE TRACERS USED □ Yes ■ No.

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| A DI | 47- 103 _ | 02960 | Form name  | Martin, Charles and Gwendo | Well number #8H |
|------|-----------|-------|------------|----------------------------|-----------------|
| API  | 4/        |       | Lanin name |                            |                 |

#### PERFORATION RECORD

| Stage<br>No. | Perforation date | Perforated from MD fl. | Perforated to<br>MD ft. | Number of<br>Perforations | Formation(s) |
|--------------|------------------|------------------------|-------------------------|---------------------------|--------------|
|              |                  |                        |                         |                           |              |
|              |                  |                        |                         |                           |              |
|              | ···              |                        |                         |                           |              |
|              |                  |                        |                         |                           |              |
|              |                  |                        |                         |                           |              |
|              |                  |                        |                         |                           |              |
|              |                  |                        |                         |                           |              |
|              |                  |                        |                         | <u> </u>                  |              |
|              |                  |                        |                         |                           |              |
|              |                  |                        |                         |                           |              |
|              |                  |                        |                         |                           |              |

Please insert additional pages as applicable.

#### STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

| er (bbls) Nitrogen/other (unit |
|--------------------------------|
|                                |
|                                |
|                                |
|                                |
|                                |
|                                |
|                                |
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| and Gos                        |
| and Go                         |
| 6 6 6                          |
| 1 6 cho                        |
| peratrie de dection            |
| imeni .                        |
|                                |

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| PRODUCING          | FORMAT        | ION(S    | )             | DEPT     | HS          |                |      |             |         |           |         |                        |
|--------------------|---------------|----------|---------------|----------|-------------|----------------|------|-------------|---------|-----------|---------|------------------------|
| Not Yet Comple     |               | 101.(0   |               |          | 110         | TVD            |      |             | MD      |           |         |                        |
|                    |               |          |               |          |             | _ 1 V D        |      |             | NID     |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
| Please insert ad   | ditional pa   | iges as  | applicable.   |          |             |                |      |             |         |           |         |                        |
| GAS TEST           | □ Build u     | р 🗆 1    | Drawdown      | □Оро     | en Flow     |                | OIL  | TEST 🗆 I    | Flow 1  | □ Pump    |         |                        |
| SHUT-IN PRE        | SSURE         | Surfac   | ce            | psi      | Botto       | om Hole        |      | psi         | DURA'   | ΓΙΟΝ OF   | TES     | T hrs                  |
| OPEN FLOW          | Gas           |          | Oil           |          | NGL         |                |      |             |         | MEASUR    |         |                        |
| OI EIVI EO II      |               | mcfp     | d             | bpd      |             |                |      |             |         | mated t   |         |                        |
| LITHOLOGY/         | тор           |          | воттом        |          | ГОР         | BOTTON         |      |             |         |           |         |                        |
| FORMATION          | DEPTH R       | V FT     | DEPTH IN FT   |          | H IN FT     | DEPTH IN       |      | DESCRIBE I  | ROCK TY | PE AND RI | ECOR    | D QUANTITY AND         |
| i olumnio.         | NAME T        |          | TVD           |          | MD          | MD             | • •  |             |         |           |         | NE, OIL, GAS, H2S, ET  |
|                    | 0             |          | N 070 700     |          | 0           |                |      |             | (1111   |           | 4, 1574 | , 511, 6715, 1125, 121 |
| See Attached Sheet |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
|                    |               |          |               |          |             |                |      |             |         |           |         |                        |
| Please insert ad   | ditional pa   | ges as   | applicable.   |          |             |                |      |             |         |           |         |                        |
| Drilling Contra    | ctor Highla   | inds (to | p-hole) & Sa  | xon Dril | ling (horiz | zontal)        |      |             |         |           |         |                        |
| Address 900 Vir    | ginia St Ea   | st /9303 | New Trails Dr | rive     | City        | Charleston     | / Th | e Woodlands | State   | WV / TX   | Zip     | 25301 / 77381          |
|                    | 0-:           | C D      |               |          | _           |                |      |             |         |           |         |                        |
| Logging Compa      |               |          |               | umberge  |             |                |      | pro-se      |         | D         |         |                        |
| Address 124 Vis    | ta Drive / 11 | 78 US F  | IVVY 33 East  |          | City        | Charleroi /    | Wes  | ton         | State   | PA / WV   | Zip     | 15022 / 26452          |
| Cementing Con      | many Hall     | iburton  |               |          |             |                |      |             |         |           |         |                        |
| Address 121 Ch     |               |          |               |          | City        | Cannonsbu      | ırg  |             | State   | PA        | Zin     | 15317                  |
|                    |               |          |               |          |             | -              |      |             | _ orane |           | 2.,0    |                        |
| Stimulating Cor    | mpany         |          |               |          |             |                |      |             |         |           |         |                        |
| Address            |               |          | 100° 5750     |          | City        |                |      |             | State   |           | Zip     |                        |
| Please insert ad   | ditional pa   | ges as   | applicable.   |          |             |                |      |             |         |           | RE      | AR 1 6 2023            |
| Completed by       | Greg Zofc     | hak      | ,             |          |             |                |      | Telephone   | 304-225 | -1600 of  | fice C  | 6 20123                |
| Signature          | Dy            | Teles    |               |          | Title D     | rilling Engine | er   | 3.          |         | Date 2/15 | 5/17    | AR 1 6 200             |
|                    | / / /         |          |               |          |             |                |      |             |         |           | 141     | no: 10 to              |

#### SURFACE OWNER WAIVER

Operator's Well Number

| 4 | 7 | 1 ( | 0 | 3 | 0 | 2 | 9 | 6 | 0 |
|---|---|-----|---|---|---|---|---|---|---|
|---|---|-----|---|---|---|---|---|---|---|

#### **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.

<u>Comments must be in writing.</u> Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies:
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

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

#### **VOLUNTARY STATEMENT OF NO OBJECTION**

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

| I further state that I have r<br>objection to a permit being issued on<br>FOR EXECUTION BY A NATURAL<br>ETC. | no objection to th<br>those materials.<br>PERSON | e planned wor | FOR EXECUTION | materials, and I have no N BY A CORPORATION, |
|--|--|---------------|---------------|--|
| Signature  | Date   | Name<br>By    | Engrou<br>MAN | Protect                                      |
| 5.5mm.v  |  | Its           | EWKO          | Date   |
|  |  |               | Signature     | 04/14/2023                                   |

| API No.   | 4 7 1 0 3 0 2 9 6 0<br>Martin, Charles & Gwendolyn |
|-----------|--|
| 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 then 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   |
|--|--|
| has examined this proposed plugging work | / owner/ lessee/ of the coal under this well location order. The undersigned has no objection to the work proposed to be perator has complied with all applicable requirements of the Wests. |
| Date:                                    | By:  |
|  | Its  |

Office Of Oil and Ges

Office Of Oil and Ges

MAR 16 2023

MAR 16 2023

WY Department of Protection

Environmental Protection

04/14/2023



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

#### Via Email

March 14, 2023

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

RE:

Application for a Permit to Plug & Abandon Martin #8H API 47-103-02960

Green District, Wetzel County, WV

Office Of Oil and Gas

MAR 1 6 2023

Environmental Protection

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
<u>bshrum@eqt.com</u>
412-660-0654



#### 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

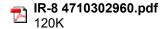
To: "Shrum, Becky" <BShrum@eqt.com>, Stephen E McCoy <stephen.e.mccoy@wv.gov>, slemley@wvassessor.com

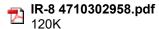
To whom it may concern plugging permits have been issued for 4710302956 4710302958 4710302960.

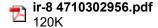
James Kennedy

WVDEP OOG

#### 6 attachments









**4710302958.pdf** 4909K

4710302960.pdf
4404K