



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, December 20, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
400 WOODCLIFF DRIVE
CANONSBURG, PA 15317

Re: Permit approval for HIERONIMUS 2
47-051-01134

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: HIERONIMUS 2
Farm Name: CHARLES HIERONIMUS ET UX
U.S. WELL NUMBER: 47-051-01134
Vertical Plugging
Date Issued: 12/20/2021

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.

- 1) Date December 2, 2021
- 2) Operator's
Well No. 518052 Charles Hieronimus #2
- 3) API Well NO. 47-051 - 01134

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 1484' Watershed Wheeling Creek
District Cameron County Marshall Quadrangle Majorsville 7.5'

6) Well Operator EQT Production Company 7) Designated Agent Joseph C. Mallow
Address 400 Woodcliff Drive Address 115 Professional Place
Canonsburg PA 15317 Bridgeport WV 26330

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Bryan Harris Name R&J
Address PO Box 157 Address 1087 Raccoon Rd
Volga, WV 26238 Hueysville, KY 41640

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures. *oc 12/8/21*

RECEIVED
Office of Oil and Gas

DEC 9 2021

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 Bryan Harris Date 12/8/21

12/24/2021

PLUGGING PROGNOSIS

L-005718
 Hieronimus, Charles #2
 API# 47-051-01134
 District, Cameron
 Marshall Co, WV

BY: T Mizgorski
 DATE: 12/01/2021

CCURRENT STATUS:

TD @ 7,286'
Elevation @ 1,486'

16" 55# J-55 Casing @20' (CTS 20 Cu. Ft.)
 13-3/8" 54.5# J-55 casing @ 1049' (CTS 1365 Cu. Ft.)
 9 5/8" 36# J-55 casing @ 2508' (1040 Cu. Ft Cement) Likely CTS based on volume but not called out.
 5 1/2" 20# P-110 casing @ 7270 (977 Cu. Ft Cement) Estimated cement top 3,416' (assuming 8.75" hole)
 2 3/8" 4.7# J-55 tubing @7007

Perforations 80 holes @ 7038 - 7124
 24,529 bbl slickwater pumped in 1 stage
 130,000 lbs. 100 mesh, 278,000 lbs. 40/70, 20,000 lbs. 20/40

Fresh Water @ 60-100'
Elevation @ 1,486'
Saltwater @ None Reported
Gas Show @ None Reported
Oil shows @ None reported
Coal @ 985'

1. Notify inspector, **Bryan Harris, (304) 553-6087, Bryan.O.Harris@wv.gov**, 24 hours prior to commencing operations.
2. Check annulus of all casing strings for any pressure, gas leaking, or bubbling water in cellar, etc. before starting plugging operations, if any gas is detected on any annuli, notify EQT supervisor before proceeding.
3. Kill well to prep for pulling tubing
4. Pull 7007' of 2 3/8" J-55 production tubing from well
5. TIH with wireline and check TD @ or below 7286'.
6. TIH with gauge ring to 7038', set a 5 1/2" CIBP @ 6950' not it collar.
7. Fill hole with fresh water and run renegade segmented bond log from CIBP at 6950' to surface. Locate and note cement top of production casing. (estimated to be at ~3416')
8. TIH with tubing to CIBP fill hole with 6% gel from 7548' to 2715'
9. Set a 500' C1A cement plug from 6950' to 6450'. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH 300' with tubing. Let cement cure for 8 hrs.
10. Free point 5 1/2" casing, cut casing @ free point using a jet cutter, Estimated Freepoint @3416' TOOH 5 1/2" casing.
11. Set a 200' C1A cement plug 100' in/out of casing cut. 3516' to 3316'. Adjust depths based on actual depth of cut. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH 300' with tubing. Let cement cure for 8hrs. and tag top of cement. If cement top is at 3316' (or adjusted depth based on cut) or close proceed on to step 11.
12. Check TD. If top of cement is at 3316' (or adjusted depth based on cut) or close. Pump 6% GEL from top of cement to surface. TOOH to 2658' set a 300' C1A cement plug 2658' to

RECEIVED
 Office of Oil and Gas

DEC 9 2021

WV Department of
 Environmental Protection

12/24/2021

- 2358'. TOOH 300' with tubing. Reverse circulate full hole volume. TOOH with tubing. Let cement cure 8 hrs. (9 5/8" casing seat).
13. Check TD. If top of cement is at 2358' or close. TOOH with tubing.
 14. TIH with wireline to 2358' If successful TIH with CIBP set @ 2300' TOOH with wireline
 15. TIH with tubing to 1500' set a 100' C1A cement plug 1500' to 1400'. TOOH with tubing. Let cement cure 8 hrs. (Elevation @ 1486').
 16. TIH with tubing. Tag Cement. If at 1400' or close. TOOH with tubing to 1150' Set a 300' C1A cement plug 1150' to 850'. TOOH and let cement cure 8hrs. (Coal @ 985' and 13-3/8" casing seat)
 17. TIH with tubing to check TD. If top of cement is at 850' or close TOOH with tubing to 200' set a 200' C1A cement plug 200' to surface. (Fresh Water @100' and Surface Plug)
 18. Erect monument with API#, date plugged, company name.
 19. Reclaim location and road to WV-DEP specifications.

RECEIVED
Office of Oil and Gas

DEC 9 2021

WV Department of
Environmental Protection

12/24/2021

WW-4A
Revised 6-07

1) Date: December 2, 2021
2) Operator's Well Number
518052 Charles Hieronimus #2
3) API Well No.: 47 - 051 - 01134

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

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>See Attached</u> Address _____ _____</p> <p>(b) Name _____ Address _____ _____</p> <p>(c) Name _____ Address _____ _____</p> <p>6) Inspector <u>Bryan Harris</u> Address <u>PO Box 157</u> <u>Volga, WV 26238</u> Telephone <u>304-553-6087</u></p>	<p>5) (a) Coal Operator</p> <p>Name _____ Address _____ _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>See Attached</u> Address _____ _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____ Address _____ _____</p>
---	---

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

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

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the 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: Supervisor - Subsurface Permitting
 Address 400 Woodcliff Drive
Canonsburg PA 15317
 Telephone (724) 271-7380

Subscribed and sworn before me this 2nd day of December, 2021
Rebecca Shrum Notary Public
 My Commission Expires March 9, 2024

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

RECEIVED
 Office of Oil and Gas
 DEC 9 2021
 12/24/2021
 WV Department of
 Environmental Protection

47-051-001134

518052 Charles Hieronimus #2

Owner(s) (Surface)

Angelhedge Farm LLC
222 Carrigan Drive
Wheeling, WV 26003

Owner(s) (Access)

Angelhedge Farm LLC
222 Carrigan Drive
Wheeling, WV 26003

Justin R Hieronimus
752 Rock Lick Rd
Cameron, WV 26033

Coal Owner(s)

Angelhedge Farm LLC
222 Carrigan Drive
Wheeling, WV 26003

CONSOL Pennsylvania Coal Company
1000 Consol Energy Drive, Suite 100
Canonsburg, PA 15317

CONSOL Thermal Holdings LLC
1000 Consol Energy Drive, Suite 100
Canonsburg, PA 15317

Consolidation Coal Company
1000 Consol Energy Drive, Suite 100
Canonsburg, PA 15317

RECEIVED
Office of Oil and Gas

DEC 9 2021

WV Department of
Environmental Protection

4705101134P

9555 5299 0000 6625 5562 7019 1640 0491 6107

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee	\$ 3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.05
<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
\$ 1.76

Total Postage and
\$ 8.56

Sent To
ANGELHEDGE FARM LLC
222 CARRIGAN DRIVE
WHEELING WV 26003

City, State, ZIP+4®
296-17 WV-518052 HIERONIMUS - WATER NOTIFICATIONS

PS Form 3800, A



9555 5299 0000 6625 5562 7019 1640 0491 6107

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee	\$ 3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.05
<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
\$ 1.76

Total Postage and
\$ 8.56

Sent To
JUSTIN R HIERONIMUS
752 ROCK LICK RD
CAMERON WV 26033

City, State, ZIP+4®
296-17 WV-518052 HIERONIMUS - WATER NOTIFICATIONS

PS Form 3800, A



9555 5299 0000 6625 5562 7019 1640 0491 6107

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee	\$ 3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.05
<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	\$

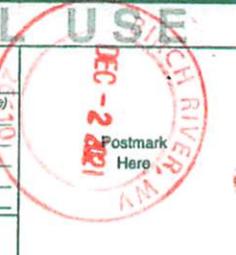
Postage
\$ 1.76

Total Postage and
\$ 8.56

Sent To
CONSOLIDATION COAL COMPANY
1000 CONSOL ENERGY DRIVE SUITE 100
CANONSBURG PA 15317

City, State, ZIP+4®
296-17 WV-518052 HIERONIMUS - WATER NOTIFICATIONS

PS Form 3800, A



9555 5299 0000 6625 5562 7019 1640 0491 6107

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee	\$ 3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.05
<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
\$ 1.76

Total Postage and
\$ 8.56

Sent To
CONSOL THERMAL HOLDINGS LLC
1000 CONSOL ENERGY DRIVE SUITE 100
CANONSBURG PA 15317

City, State, ZIP+4®
296-17 WV-518052 HIERONIMUS - WATER NOTIFICATIONS

PS Form 3800, A



9555 5299 0000 6625 5562 7019 1640 0491 6107

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

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

OFFICIAL USE

Certified Mail Fee	\$ 3.75
Extra Services & Fees (check box, add fee as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy)	\$ 3.05
<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
\$ 1.76

Total Postage and
\$ 8.56

Sent To
CONSOL PENNSYLVANIA COAL COMPANY
1000 CONSOL ENERGY DRIVE SUITE 100
CANONSBURG PA 15317

City, State, ZIP+4®
296-17 WV-518052 HIERONIMUS - WATER NOTIFICATIONS

PS Form 3800, A



RECEIVED
Office of Oil and Gas
DEC 9 2021
WV Department of
Environmental Protection
12/24/2021

SURFACE OWNER WAIVER

Operator's Well
Number

518052 Charles Hieronimus #2

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

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

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY CORPORATION,
Office of Oil and Gas

DEC 9 2021

_____	_____	_____	_____
Signature	Date	Name	By
		Its	_____
			WV Department of Environmental Protection

Signature _____ Date **12/24/2021**

WW-4B

4705101134P

API No.	47-051-01134
Farm Name	Charles Hieronimus
Well No.	518052 Charles Hieronimus #2

**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 _____

RECEIVED
Office of Oil and Gas

DEC 9 2021

WV Department of
Environmental Protection
12/24/2021

WW-9
(5/16)

API Number 47 - 051 - 01134
Operator's Well No. 518052 Charles Hieronimus #2

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

Operator Name EQT Production Company OP Code 306686

Watershed (HUC 10) Wheeling Creek Quadrangle Majorsville 7.5'

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

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

If so, please describe anticipated pit waste: _____ *gwm*

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 *E. Spine*

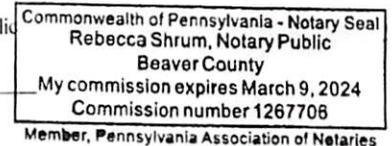
Company Official (Typed Name) Erin Spine

Company Official Title Supervisor - Subsurface Permitting

Subscribed and sworn before me this 2nd day of December, 2021

Rebecca Shrum Notary Public

My commission expires March 9, 2024



RECEIVED
Office of Oil and Gas

DEC 9 2021

EQT Production Water plan
Offsite disposals

4705101134P

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

RECEIVED
Office of Oil and Gas

DEC 9 2021

WV Department of
Environmental Protection

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: Bryan Harris

Comments: _____

Title: Inspector Date: 12/8/21

Field Reviewed? () Yes (X) No

RECEIVED
Office of Oil and Gas
DEC 9 2021

Topo Quad: Majorsville 7.5'

Scale: 1" = 2000'

County: Marshall

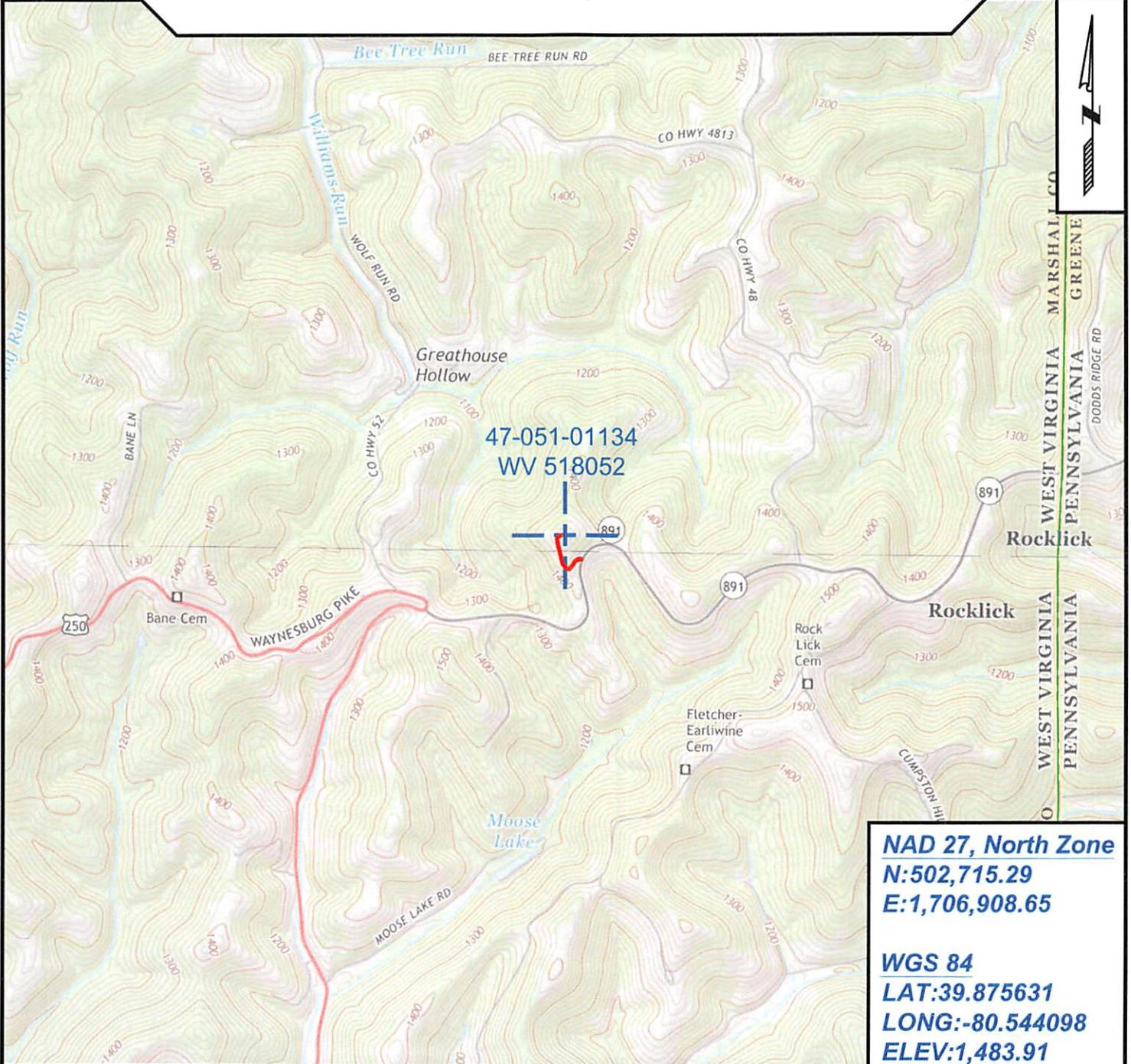
Date: November 17, 2021

District: Cameron

Project No: 296-44-00-17

47-051-01134 WV 518052 (Charles Hieronimus #2)

Topo



NAD 27, North Zone
N:502,715.29
E:1,706,908.65

WGS 84
LAT:39.875631
LONG:-80.544098
ELEV:1,483.91



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

RECEIVED
 Office of Oil and Gas
 DEC 9 2021

12/24/2021

WW-7
8-30-06



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

API: 47-051-01134 WELL NO.: WV 518052 (Charles Hieronimus #2)

FARM NAME: Charles Hieronimus

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Marshall DISTRICT: Cameron

QUADRANGLE: Majorsville 7.5'

SURFACE OWNER: Angelhedge Farm LLC

ROYALTY OWNER: Angelhedge Farm LLC

UTM GPS NORTHING: 4414053

UTM GPS EASTING: 538986 GPS ELEVATION: 452 m (1484 ft)

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

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

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

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

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


Signature

AS# 2180
Title

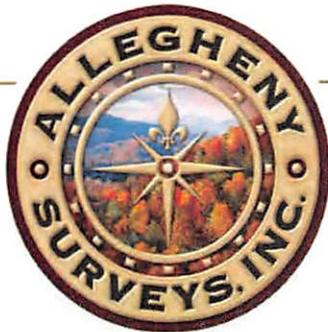
11/17/2021
Date

RECEIVED
Office of Oil and Gas

DEC 9 2021
12/24/2021

WV Department of
Environmental Protection

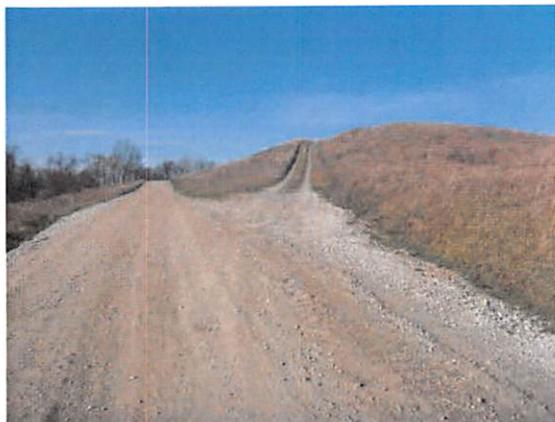
4705101134P



Site Pictures
Charles Hieronimus #2
WV 518052 47-051-01134



WV 518052 Well Pad Site



WV 518052 Well Pad Access

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

RECEIVED
DEC 9 2021
12/24/2021
WV Department of
Environmental Protection



Via Email

December 8, 2021

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

**RE: Application for a Permit to Plug & Abandon
 518052 Charles Hieronimus #2
 API 47-051-01134
 Cameron District, Marshall 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
724-271-7314

RECEIVED
Office of Oil and Gas

DEC 9 2021

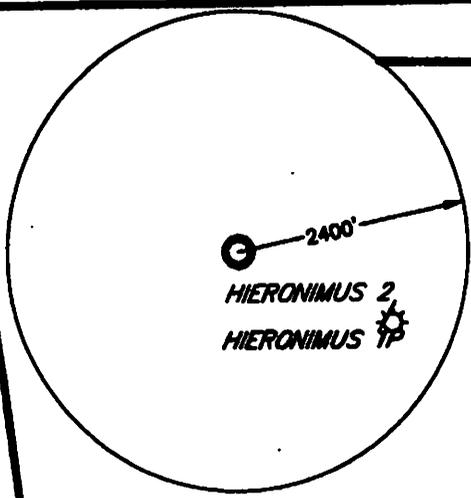
WV Department of
Environmental Protection
12/24/2021

LATITUDE 39° 55' 00" 4705101134P

NAD 27 STATE PLANE
COORDINATES
WV NORTH
N. 502714
E. 1706905

N. 502714
E. 1706905

4/11/03



CHARLES HIERONIMUS
DB 444 PG 684
TM 6 P 12

CHARLES HIERONIMUS
DB 444 PG 684
TM 6 P 12

HIERONIMUS 2

±615'

S 83°08' E
3088.69'

S 57°19' E
1741.45'

WV STATE ROUTE 681

24" LOCUST

STEVE ALLISON
DB 531 PG 11
TM 6 P 11

NINA PERRY
DB 64 PG 88
TM 6 P 11.3

LAWRENCE GITTINGS
DB 475 PG 189
TM 6 P 11.2

PAULINE McGLUMPHY
DB 383 PG 160
TM 6 P 18.1

TODD SCHWERTFEGER
DB 635 PG 535
TM 6 P 14

REFERENCES

RECEIVED
Office of Oil and Gas

DEC 9 2021

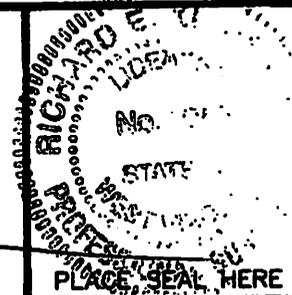
N 89° W WV Department of
Environmental Protection
HIERONIMUS 2

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 07146
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1 : 2500
PROVEN SOURCE OF
ELEVATION GPS OBSERVATION

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENVIRONMENTAL PROTECTION.
(SIGNED) _____

R.P.E. _____ I.L.S. 1956



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



DATE MARCH 21, 2008
OPERATOR'S WELL NO. HIERONIMUS 2
API WELL NO.

47 051 01134
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1486.2 WATERSHED WILLIAMS RUN
DISTRICT CAMERON COUNTY MARSHALL
QUADRANGLE MAJORSVILLE 7.5'

SURFACE OWNER CHARLES HIERONIMUS ET. UX. ACREAGE 64.64
OIL & GAS ROYALTY OWNER CHARLES HIERONIMUS ET. UX. LEASE ACREAGE 201.74
LEASE NO. _____

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

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR A B RESOURCES LLC DESIGNATED AGENT CT Corporation System
ADDRESS 7000 EDGERTON ROAD SUITE 102 ADDRESS 707 Virginia Street East
BRECKSVILLE, OHIO 44141 Charleston, WV 25301

COUNTY NAME
PERMIT



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

Plugging Vertical Well Work Permit (API: 47-051-01134)

1 message

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

Mon, Dec 20, 2021 at 11:09 AM

To: John <JZavatchan@eqt.com>, Erin Spine <espine@eqt.com>, "Shrum, Becky" <bshrum@eqt.com>, Todd <tklaner@eqt.com>, Olivia Pishioneri <opishioneri@eqt.com>, "Harris, Bryan O" <bryan.o.harris@wv.gov>, Scott Lemley <slemley@wvassessor.com>

I have attached a copy of the newly issued well permit numbers:

47-051-01134 - HIERONIMUS 2

This will serve as your copy.

Thank you,

Wade A. Stansberry**Environmental Resource Specialist 3****West Virginia Department of Environmental Protection****Office of Oil & Gas****601 57th St. SE****Charleston, WV 25304****(304) 926-0499 ext. 41115****(304) 926-0452 fax****Wade.A.Stansberry@wv.gov**

2 attachments **IR-8 Blank.pdf**
183K **47-051-01134 - Copy.pdf**
3048K**12/24/2021**