



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, August 18, 2022
WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for MICHAEL 2H
47-049-02279-00-00

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: MICHAEL, WILLIAM J. & JU⁺
U.S. WELL NUMBER: 47-049-02279-00-00
Horizontal 6A Plugging
Date Issued:

Promoting a healthy environment.

08/19/2022

PERMIT CONDITIONS 47 0 4 9 0 2 2 7 9 P

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.

4704902279P

- 1) Date _____, 2022
- 2) Operator's
Well No. Michael 2H
- 3) API Well No. 47-049 - 02279

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 1,397' Watershed Dents Run & Bartholomew Fork
District Mannington County Marion Quadrangle Glover Gap

- 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 9) Plugging Contractor
Name Kenneth Greynolds Name R&J
Address 613 Broad Run Road Address 1087 Raccoon Road
Jane Lew, WV 26378 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.

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

Work order approved by inspector Kenneth Greynolds Digitally signed by Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.L.Greynolds@wv.gov, C = AD O = WVDEP OU = Oil and Gas
Date: 2022.07.18 10:46:13 -0400 Date _____

08/19/2022

47 0 4 9 0 2 2 7 9 P

Michael 2H
Marion Co., WV
Conductor Only
API # 47-049-02279
BY: Tyler Mizgorski
DATE: 6/27/2022

CURRENT STATUS:

Elevation @ 1,394'
20" J-55 94 ppf conductor @ 100' No Cement Details

Fresh water N/A due to only conductor spud
Coal Show N/A due to only conductor spud
Salt Water N/A due to only conductor spud

- 1) Notify Inspector **Ken Greynolds, (304) 206-6613, Kenneth.L.Greynolds@wv.gov** prior to beginning operations.
- 2) **Conduct Tailgate Safety Meeting. Complete JSA's as required**
- 3) Cut off cap welded onto conductor
- 4) Drop string in well to verify depth of conductor at 100'
- 5) MIRU rig. Begin P&A operations
- 6) Remove all water from conductor
- 7) RIH and set 100' C1A cement plug from 100' to surface. TOOH w/tubing
- 8) Let Cement dry for 8 hours
- 9) Top off well to surface with solid cement as needed
- 10) Set Monument above ground to WV-DEP Specifications

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Office of Oil and Gas
JUL 28 2022
WV Department of
Environmental Protection

08/19/2022

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

API 47 - 049 - 02279 County Marion District Mannington
 Quad Glover Gap Pad Name Michael Field/Pool Name N/A
 Farm name Juanita O. Michael & William J. Michael Well Number 2H
 Operator (as registered with the OOG) EQT Production Company
 Address 400 Woodcliff Drive City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
 Top hole Northing 4378564.257 Easting 550366.347
 Landing Point of Curve Northing N/A Easting _____
 Bottom Hole Northing N/A Easting _____

Elevation (ft) 1,394' 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 N/A
 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)
N/A

Date permit issued 3/13/2014 Date drilling commenced 11/28/14 Date drilling ceased 11/28/14
 Date completion activities began N/A Date completion activities ceased N/A
 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 60' Open mine(s) (Y/N) depths No
 Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N RECEIVED
 Coal depth(s) ft 1200' (from 049-02278) Cavern(s) encountered (Y/N) depths N Office of Oil and Gas
 Is coal being mined in area (Y/N) N JUL 28 2022

Reviewed by Department of Environmental Protection

08/19/2022

WR-35
Rev. 8/23/13

API 47-049 - 02279 Farm name Juanita O. Michael & William J. Michael Well number 2H

| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/N) * Provide details below* |
|---------------------------|-----------|-------------|-------|-------------|-------------|-----------------|--|
| Conductor | 24" | 20" | 100' | New | J-55/94 | N/A | |
| Surface | | | | | | | |
| Coal | | | | | | | |
| Intermediate 1 | | | | | | | |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | | | | | | | |
| Tubing | | | | | | | |
| Packer type and depth set | | | | | | | |

Comment Details _____

| 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 | Class A | - | - | - | - | Surface | |
| Surface | | | | | | | |
| Coal | | | | | | | |
| Intermediate 1 | | | | | | | |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | | | | | | | |
| Tubing | | | | | | | |

Drillers TD (ft) ^{100'} _____ Loggers TD (ft) ^{100'} _____
 Deepest formation penetrated _____ Plug back to (ft) ^{N/A} _____
 Plug back procedure ^{N/A} _____

Kick off depth (ft) _____

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 ^{N/A} _____

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS ^{N/A} _____

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

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WV Department of
Environmental Protection
08/19/2022

1) Date: _____, 2022

2) Operator's Well Number _____

Michael 2H

3) API Well No.: 47 - 049 - 02279

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 List</u> | Name <u>See Attached List</u> |
| Address _____ | Address _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>See Attached List</u> |
| (c) Name _____ | Address _____ |
| Address _____ | Name _____ |
| | Address _____ |
| 6) Inspector | (c) Coal Lessee with Declaration |
| Address <u>Kenneth Greynolds</u> | Name _____ |
| <u>613 Broad Run Road</u> | Address _____ |
| <u>Jane Lew, WV 26378</u> | |
| Telephone <u>304-206-6613</u> | |

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.

| | | |
|---------------|--|--|
| Well Operator | EQT Production Company |  |
| By: | John Zavatchan | |
| Its: | Project Specialist - Permitting | |
| Address | 400 Woodcliff Drive Canonsburg PA 15317 | |
| Telephone | 412-584-3132 | |

Commonwealth of Pennsylvania - Notary Seal
Olivia Pishioneri, Notary Public
Allegheny County
My commission expires October 25, 2023
Commission number 1359968
Member, Pennsylvania Association of Notaries

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Office of Oil and Gas
JUL 28 2022

WV Department of Environmental Protection

Subscribed and sworn before me this 26th day of July, 2022

My Commission Expires October 25, 2023

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.

Michaels Pad Owner Info

Pad Owner:

David J. Michael
669 Colonial Drive
Morgantown, WV 26505

John J. Michael
10 Whispering Pine Drive
White Hall, WV 26554

Christine L. Fragale, Ronald A. Fragle, Veronica C. Fragle.
503 E Main St.
Clarksburg, WV 26301

Access Road Owner and Part of Pad:

James D. Atkinson
15 Smokey Valley Rd.
Mannington, WV 26582

Coal Owners:

David J. Michael
669 Colonial Drive
Morgantown, WV 26505

John J. Michael
10 Whispering Pine Drive
White Hall, WV 26554

Christine L. Fragale, Ronald A. Fragle, Veronica C. Fragle.
503 E Main St.
Clarksburg, WV 26301

Cesar Atilio Brol Valencia & Melania Higginbotham Arevalo de Brol, his wife
11136 Collett Ave.
Granada Hills, CA 91344

WPP LLC
5260 Irwin Road
Huntington, WV 25705-3247

Harrison County Coal Resources Inc.
46226 National Road
Saint Clairsville, OH 43950

Consol Mining Company LLC
275 Technology Drive, Suite 101
Canonsburg, PA 15317-9565

Coal Operator:

ACNR Resources Inc.
46226 National Rd.
St. Clairsville, OH 43950

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DAVID J. MICHAEL
 669 COLONIAL DRIVE
 MORGANTOWN WV 26505

74-08 MICHAEL 1H & 2H - NOTIFICATIONS

PS Form 3800, A



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JAMES D. ATKINSON
 15 SMOKEY VALLEY RD.
 MANNINGTON WV 26582

74-08 MICHAEL 1H & 2H - NOTIFICATIONS

PS Form 3800, A



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JOHN J. MICHAEL
 10 WHISPERING PINE DRIVE
 WHITE HALL WV 26554

74-08 MICHAEL 1H & 2H - NOTIFICATIONS

PS Form 3800, A



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CESAR ATILIO BROL VALENCIA
 & MELANIA HIGGINBOTHAM
 AREVALO DE BROL
 11136 COLLETT AVE.
 GRANADA HILLS CA 91344

74-08 MICHAEL 1H & 2H - NOTIFICATIONS

PS Form 3800, A



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CHRISTINE L. FRAGALE,
 RONALD A. FRAGLE,
 VERONICA C. FRAGLE
 503 E MAIN ST.
 CLARKSBURG WV 26301

74-08 MICHAEL 1H & 2H - NOTIFICATIONS

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WPP LLC
 5260 IRWIN ROAD
 HUNTINGTON WV 25705-3247

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**HARRISON COUNTY
 COAL RESOURCES INC.
 46226 NATIONAL ROAD
 SAINT CLAIRSVILLE OH 43950**

74-08 MICHAEL 1H & 2H - NOTIFICATIONS

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



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**CONSOL MINING COMPANY LLC
 275 TECHNOLOGY DRIVE, SUITE 101
 CANONSBURG PA 15317-9565**

74-08 MICHAEL 1H & 2H - NOTIFICATIONS

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



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**ACNR RESOURCES INC.
 46226 NATIONAL RD.
 ST. CLAIRSVILLE OH 43950**

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



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 Office of Oil and Gas

JUL 28 2022

WV Department of
 Environmental Protection

SURFACE OWNER WAIVER

Operator's Well
Number

Michael 2H

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

RECEIVED
Office of Oil and Gas
JUL 28 2022
WV Department of
Environmental Protection

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 A CORPORATION,

| | | |
|-----------|------------|------------|
| _____ | Date _____ | Name _____ |
| Signature | | By _____ |
| | | Its _____ |
| | | Date _____ |

Signature

Date
08/19/2022

WW-4B

4704902279P

API No. 47-049-02279
Farm Name MICHAEL
Well No. 2H

**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: _____ RECEIVED
Office of Oil and Gas

Its _____ JUL 28 2022

WV Department of
Environmental Protection

08/19/2022

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) Dents Run & Bartholomew Fork Quadrangle Glover Gap

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) John Zavatchan

Company Official Title Project Specialist - Permitting

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JUL 28 2022

Subscribed and sworn before me this 26th day of July, 20 22

WV Department of
Environmental Protection

Notary Public

My commission expires October 25, 2023

Commonwealth of Pennsylvania - Notary Seal
Olivia Pishioneri, Notary Public
Allegheny County
My commission expires 08/19/2022
Commission number 1359968
Member, Pennsylvania Association of Notaries

Proposed Revegetation Treatment: Acres Disturbed 1± Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type (10-20-20) or equivalent

Fertilizer amount 1/3 ton lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

| Temporary | | Permanent | |
|---------------|----------|---------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| Red Fescue | 40 | Red Fescue | 15 |
| Aslike Clover | 5 | Aslike Clover | 5 |
| Annual Rye | 15 | | |

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: **Kenneth Greynolds**
Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.L.Greynolds@wv.gov C = AD
O = WVDEP OU = Oil and Gas
Date: 2022.07.18.10:47:01 -0400

Comments: _____

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WV Department of
Environmental Protection

Title: _____ Date: _____

Field Reviewed? () Yes () No

47 0 4 9 0 2 2 7 9 P

EQT Production Water plan
Offsite disposals

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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WV Department of
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08/19/2022

Topo Quad: Glover Gap 7.5' Scale: 1" = 2000'

County: Marion Date: January 04, 2022

District: Mannington Project No: 74-18-00-08

Michael 2H - 47-049-02279

Topo



NAD 27, North Zone
N: 385,640.69
E: 1,742,303.69

WGS 84
LAT: 39.555294
LONG: -80.413760
ELEV: 1,392.69'

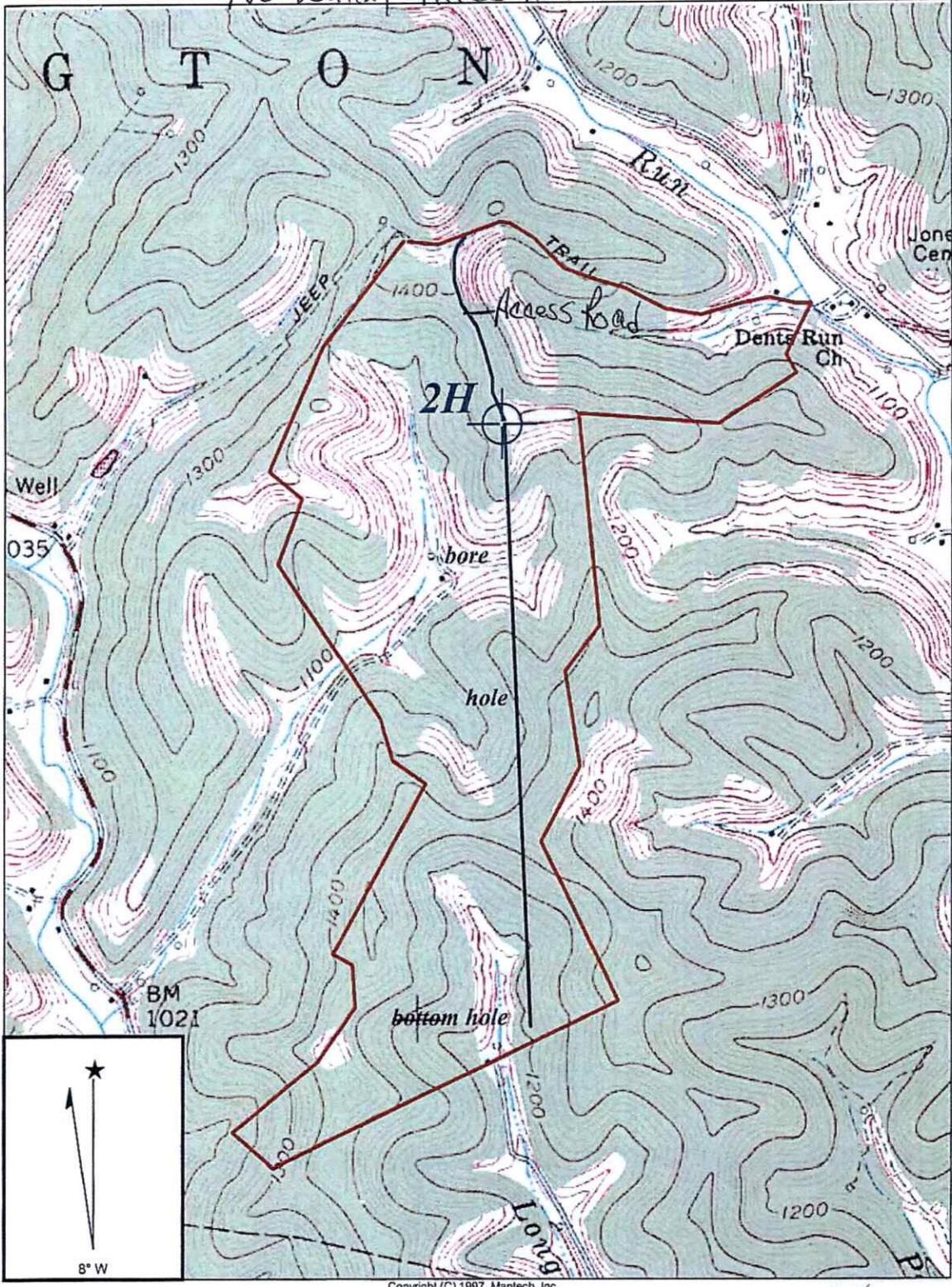


SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:
EQT Production Company
 RECEIVED
 Office of Oil and Gas
 JUL 28 2022
 400 Woodcliff Drive
 Canonsburg, PA 15317
 WV Department of
 Environmental Protection
 08/19/2022

47 n 49 02 2 / 9 P
49-02279

No Water, Access Road



Copyright (C) 1997, Maptech, Inc.

GLOVER GAP QUADRANGLE

SCALE 1" = 1000'

TRANS ENERGY, INC.

WELL: MICHAEL 2 H
MICHAEL, ET AL +/- 386.5 ACRE UNIT

MANNINGTON DISTRICT MARION COUNTY WEST VIRGINIA

WRH
10-17-13

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Office of Oil and Gas

JUL 28 2022

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Office of Oil and Gas WV Department of
Environmental Protection
OCT 29 2013

WV Department of
Environmental Protection
03/17/2014-08/19/2022



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

API: 47-049-02279 WELL NO.: Michael 2H

FARM NAME: Michael

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Marion DISTRICT: Mannington

QUADRANGLE: Glover Gap 7.5'

RECEIVED
Office of Oil & Gas
AUG 17 2022

SURFACE OWNER: Juanita O. Michael & William J. Michael

WV Department of
Environmental Protection

ROYALTY OWNER: Hayes, et al.

UTM GPS NORTHING: 4378565

UTM GPS EASTING: 550364 GPS ELEVATION: 424 m (1392 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.

Bar R. S. H.
Signature

P.S. 2092
Title

8-17-22
Date

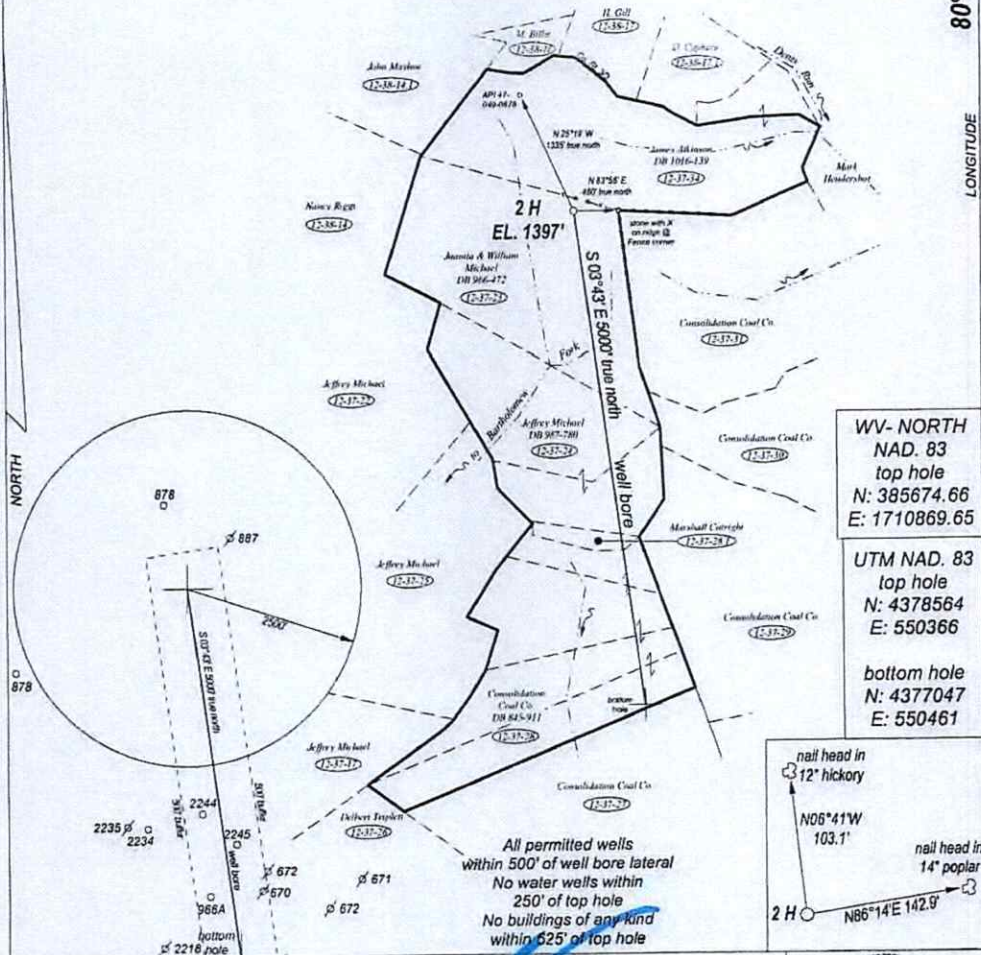
47 0 49 0 2 2 7 9 P

top hole 80°24' 49.47" (80.413743) 11000'
 bottom hole 80°24' 46.69" (80.41297) 10670'

LATITUDE 39°35' 00"

LONGITUDE 80°22' 30"
 10170'
 16200'
 bottom hole 39°32' 29.69" (39.541580)
 top hole 39°33' 19.03" (39.555285)

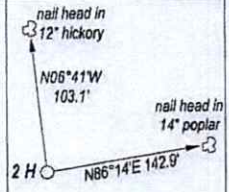
MICHAEL, ET AL
+/- 386.5 ACRE UNIT
 (D-M-P) = District-Map-Parcel



WV-NORTH NAD. 83
 top hole
 N: 385674.66
 E: 1710869.65

UTM NAD. 83
 top hole
 N: 4378564
 E: 550366

bottom hole
 N: 4377047
 E: 550461



All permitted wells within 500' of well bore lateral
 No water wells within 250' of top hole
 No buildings of any kind within 625' of top hole

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1500'
 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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY AND PRESERVED BY THE DEPARTMENT OF ENERGY
 (SIGNED) *[Signature]*
 PROFESSIONAL SURVEYOR: 551



WRH
 2-28-14

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS

DATE FEBRUARY 24TH, 2014
 OPERATORS WELL NO. MICHAEL 2H

API 47 - 049 - 02279 H6A
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1397' WATER SHED DENTS RUN & BARTHOLOMEW FORK
 DISTRICT MANNINGTON COUNTY MARION QUADRANGLE GLOVER GAP

SURFACE OWNER JUANITA O. MICHAEL & WILLIAM J. MICHAEL ACREAGE 95
 OIL & GAS ROYALTY HAYES, ET AL LEASE AC. +/- 386.5

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

TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 7200'

WELL OPERATOR TRANS ENERGY, INC. DESIGNATED AGENT LOREN BAGLEY
 ADDRESS P. O. BOX 393 ADDRESS P. O. BOX 393
 ST. MARYS, WV 26170 ST. MARYS, WV 26170

RECEIVED
 Office of Oil and Gas
 JUL 28 2022
 WV Department of Environmental Protection

FORM WW - 6

COUNTY NAME
 PREMIT

03/14/2014 08/19/2022



Site Pictures

**Michael 2H
47-049-02279**



Michael Well



Michael Well

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Office of Oil and Gas

JUL 28 2022

WV Department of
Environmental Protection

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 R.H. Boulevard - Suite 5
Charleston, WV 25309
phone: 304-756-2949 fax: 304-756-2948



Michael Pad Sign



Michael Pad

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Office of Oil and Gas

JUL 28 2022

WV Department of
Environmental Protection

47 0 49 0 2 2 7 9 P



EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317
P: 724-746-9073 | www.eqt.com

July 27, 2022

Via FedEx Overnight Delivery

West Virginia Department of Environmental Protection
Office of Oil and Gas
Attn: Mr. Jeff McLaughlin
601 57th Street SE
Charleston, WV 25304-2345

RE: Notice of Application to Plug and Abandon a Well
Michael 2H Well
Permit Number 47-049-02279
Mannington District
Marion County, WV

RECEIVED
Office of Oil and Gas

JUL 28 2022

WV Department of
Environmental Protection

Mr. McLaughlin:

Attached is EQT Production Company's application for a permit to plug and abandon for the well referenced above. Included with this application you will find the following documents:

- Form WW-4B - Application for a Permit to Plug and Abandon
- Plugging Prognosis
- Form WW-4A - Notice of Application to Plug and Abandon a Well
- Proof of Notification of Interested Parties
- Form WW-9 - Fluids/Cuttings Disposal & Reclamation Plan
- Site Photos
- Previously submitted Well Location Plat
- Completed Form WR-35 Well Operator's Report of Well Work

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.

Best Regards,

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

John Zavatchan
Project Specialist - Permitting
jzavatchan@eqt.com
724-746-9073

08/19/2022



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

ATTN plugging permits have been issued for 4704902184, 04902278, 04902279, 04902283, 04902284

1 message

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

Thu, Aug 18, 2022 at 9:53 AM

To: Jeffrey W McLaughlin <jeffrey.w.mclaughlin@wv.gov>, Kenneth L Greynolds <kenneth.l.greynolds@wv.gov>, "Zavatchan, John" <jzavatchan@eqt.com>, BShrum@eqt.com, OPishioneri@eqt.com, mtrach@wvassessor.com


To whom it may concern, plugging permits have been issued for 4704902184, 04902278, 04902279, 04902283, 04902284.


James Kennedy

WVDEP OOG


6 attachments

 **4704902184.pdf**
4718K

 **4704902278.pdf**
5331K

 **4704902279.pdf**
4490K

 **4704902283.pdf**
5601K

 **4704902284.pdf**
4186K

 **IR-8 Blank.pdf**
237K

08/19/2022