

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

**APPROVED**  
K.W.  
3/24/25

API 47 - 049 - 02516 County Marion District Mannington  
Quad Glover Gap Pad Name RADCLIFF Field/Pool Name N/A  
Farm name Jackie D. and Sheila L. Radcliff Well Number Radcliff 4H (L004643)  
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 4,382,148.19 Easting 548,259.85  
Landing Point of Curve Northing 4,381,469.81 Easting 547,327.80  
Bottom Hole Northing 4,377,425.45 Easting 549,301.74

Elevation (ft) 1493' GL Type of Well ☒ New ☐ Existing Type of Report ☐ Interim ☒ Final  
Permit Type ☐ Deviated ☐ Horizontal ☒ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow  
Type of Operation ☐ Convert ☐ Deepen ☒ Drill ☐ Plug Back ☐ Redrilling ☐ Rework ☒ Stimulate  
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other \_\_\_\_\_  
Type of Completion ☒ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☐ Oil ☐ Other \_\_\_\_\_  
Drilled with ☐ Cable ☒ Rotary

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

Mud Type(s) and Additive(s)

Synthetic Oil Based Mud 13.71 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 09/27/2023 Date drilling commenced 11/05/2023 Date drilling ceased 04/01/2024  
Date completion activities began 09/12/2024 Date completion activities ceased 11/24/2024  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 448', 478', 609', 739', 893' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 2108' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 1190', 1282' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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Reviewed by:

09/19/2025

API 47- 049 - 02516 Farm name Jackie D. and Sheila L. Radcliff Well number Radcliff 4H (L004643)

| CASING STRINGS            | Hole Size      | Casing Size | Depth (GL) | New or Used | Grade wt/ft | Basket Depth(s) (GL) | Did cement circulate (Y/ N)<br>* Provide details below* |
|---------------------------|----------------|-------------|------------|-------------|-------------|----------------------|---------------------------------------------------------|
| Conductor                 | 30"            | 26"         | 40'        | NEW         | A-500 85.6# | N/A                  | Y                                                       |
| Surface                   | 17-1/2"        | 13-3/8"     | 1357'      | NEW         | J-55 54.5#  | 1262'                | N                                                       |
| Coal                      |                |             |            |             |             |                      |                                                         |
| Intermediate 1            | 12-3/8"        | 9-5/8"      | 2741'      | NEW         | J-55 36#    | N/A                  | Y                                                       |
| Intermediate 2            |                |             |            |             |             |                      |                                                         |
| Intermediate 3            |                |             |            |             |             |                      |                                                         |
| Production                | 8-3/4", 8-1/2" | 6"          | 24,449'    | NEW         | P-110 24#   | N/A                  | N                                                       |
| Tubing                    |                |             |            |             |             |                      |                                                         |
| Packer type and depth set |                |             |            |             |             |                      |                                                         |

Comment Details Surface: Run 125' of grout tubing and tagged at 120'. Pump 22 bbl. of grout cement with 4 bbl. to surface  
Production cmt has calculated TOC of 1175' GL, which is greater than 500' TVD above the producing formation. No issues.

| CEMENT DATA    | Class/Type of Cement | Number of Sacks | Slurry wt (ppg) | Yield (ft <sup>3</sup> /sks) | Volume (ft <sup>3</sup> ) | Cement Top (GL) | WOC (hrs) |
|----------------|----------------------|-----------------|-----------------|------------------------------|---------------------------|-----------------|-----------|
| Conductor      | CLASS A              | 83              | 15.6            | 1.18                         | 98                        | 0               | 8+        |
| Surface        | CLASS L              | 1165            | 16.0            | 1.09                         | 1270                      | 0               | 8         |
| Coal           |                      |                 |                 |                              |                           |                 |           |
| Intermediate 1 | CLASS L              | 1005            | 15.6            | 1.14                         | 1146                      | 0               | 8         |
| Intermediate 2 |                      |                 |                 |                              |                           |                 |           |
| Intermediate 3 |                      |                 |                 |                              |                           |                 |           |
| Production     | CLASS A              | 4010            | 15.0            | 1.18                         | 4731                      | 1175'           | 8+        |
| Tubing         |                      |                 |                 |                              |                           |                 |           |

Drillers TD (ft) 24,470' Loggers TD (ft) N/A  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure \_\_\_\_\_

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Kick off depth (ft) 2818'

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 \_\_\_\_\_  
 CONDUCTOR- NONE  
 SURFACE- ON SHOE TRACK AND EVERY 500' TO SURFACE  
 INTERMEDIATE: ON SHOE TRACK AND EVERY 500' FEET TO SURFACE  
 PRODUCTION: ON SHOE TRACK, EVERY OTHER JOINT TO 2108'

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS \_\_\_\_\_

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED \_\_\_\_\_

09/19/2025

Farm name Jackie D. and Sheila L. Radcliff Well number Radcliff 4H (L004643)

## PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

### STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

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Well number Radcliff 4H (L004643)

DEPTHS

9,435-24,470 MD

OIL TEST   ☐ Flow   ☐ Pump

|           |       |          |     |          |     |          |       |                                                                                                               |
|-----------|-------|----------|-----|----------|-----|----------|-------|---------------------------------------------------------------------------------------------------------------|
| OPEN FLOW | Gas   |          | Oil |          | NGL |          | Water | GAS MEASURED BY                                                                                               |
| <u>0</u>  | mcfpd | <u>0</u> | bpd | <u>0</u> | bpd | <u>0</u> | bpd   | <input type="checkbox"/> Estimated <input checked="" type="checkbox"/> Orifice <input type="checkbox"/> Pilot |

| LITHOLOGY/<br>FORMATION | TOP<br>DEPTH IN FT | BOTTOM<br>DEPTH IN FT | TOP<br>DEPTH IN FT | BOTTOM<br>DEPTH IN FT | DESCRIBE ROCK TYPE AND RECORD QUANTITY AND<br>TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC) |
|-------------------------|--------------------|-----------------------|--------------------|-----------------------|------------------------------------------------------------------------------------------------------------------|
|                         | NAME TVD           | TVD                   | MD                 | MD                    |                                                                                                                  |
|                         |                    |                       |                    |                       |                                                                                                                  |

[illegible]

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

09/19/2025

API 47- 049 - 02516 Farm name Jackie D. and Sheila L. Radcliff Well number Radcliff 4H (L004643)

Drilling Contractor Falcon (Rig 25)  
Address 1120 US-119 City Indiana State PA Zip 15701

Logging Company Scientific Drilling International  
Address 3475 Washington Ave City Finleyville State PA Zip 15332

Logging Company GyroData  
Address 73 Noblestown Road City Carnegie State PA Zip 15106

Drilling Contractor \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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| Well # RADCLIFF 4H Final Formations API# 47-049-02516 |                      |                         |                      |                         |
|-------------------------------------------------------|----------------------|-------------------------|----------------------|-------------------------|
| Formation Name                                        | Drill Top MD (ftGRD) | Drill Top (TVD) (ftGRD) | Drill Btm MD (ftGRD) | Drill Btm (TVD) (ftGRD) |
| Sand/Shale                                            | 1                    | 1                       | 1,190                | 1,190                   |
| Sewickley Coal                                        | 1,190                | 1,190                   | 1,194                | 1,194                   |
| Sand/Shale                                            | 1,194                | 1,194                   | 1,282                | 1,282                   |
| Pittsburgh Coal                                       | 1,282                | 1,282                   | 1,292                | 1,292                   |
| Sand/Shale                                            | 1,292                | 1,292                   | 2,455                | 2,455                   |
| Big Lime                                              | 2,455                | 2,455                   | 2,528                | 2,528                   |
| Big Injun                                             | 2,528                | 2,528                   | 2,656                | 2,656                   |
| Sand/Shale                                            | 2,656                | 2,656                   | 2,771                | 2,771                   |
| Berea                                                 | 2,771                | 2,771                   | 3,346                | 3,339                   |
| Gordon                                                | 3,346                | 3,339                   | 3,508                | 3,490                   |
| Bayard                                                | 3,508                | 3,490                   | 5,949                | 5,408                   |
| Alexander                                             | 5,949                | 5,408                   | 6,394                | 5,743                   |
| Elks                                                  | 6,394                | 5,743                   | 8,557                | 7,379                   |
| Sonyea                                                | 8,557                | 7,379                   | 8,780                | 7,545                   |
| Middlesex                                             | 8,780                | 7,545                   | 8,853                | 7,595                   |
| Genesee                                               | 8,853                | 7,595                   | 9,009                | 7,698                   |
| Geneseo                                               | 9,009                | 7,698                   | 9,058                | 7,727                   |
| Tully                                                 | 9,058                | 7,727                   | 9,136                | 7,770                   |
| Hamilton                                              | 9,136                | 7,770                   | 9,435                | 7,874                   |
| Marcellus                                             | 9,435                | 7,874                   | 24,470               | 7,938                   |

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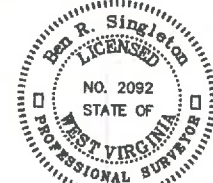


09/19/2025



***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 Environmental Protection.***

**P.S. 2092**



SEAL

FILE NO: 113-21

DRAWING NO: Radcliff 4H

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:  
1:2500

PROVEN SOURCE OF ELEVATION:  
NGS CORS Station

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

DATE: April 23 20 24

OPERATOR'S WELL NO.: Radcliff 4H

API WELL NO

47 - 049 - 02516  
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL

(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: 1493' WATERSHED: Bartholomew Fork QUADRANGLE: Glover Gap

DISTRICT: Mannington COUNTY: Marion

**SURFACE OWNER:** Jackie D. & Sheila L. Radcliff

ACREAGE: 48.08

ROYALTY OWNER: Rebecca R. Shuttlesworth, et al.

LEASE NO: 109790001      ACREAGE: 1090

PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ 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: Marcellus ESTIMATED DEPTH: 7916'

WELL OPERATOR: EQT Production Company

DESIGNATED AGENT: Joseph C. Mallow

ADDRESS: 400 Woodcliff Drive

ADDRESS: 427 Midstate Drive

Canonsburg, PA 15317

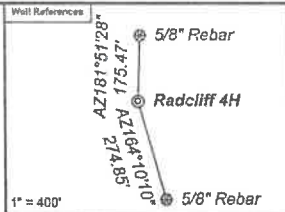
Clarksburg, WV 26301

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# Radcliff 4H Radcliff EQT Production Company

| Tax ID | Lot | Acres | County | Owner                                                  |
|--------|-----|-------|--------|--------------------------------------------------------|
| 1      | 40  | 10.1  | Marion | Radcliff 4H                                            |
| 2      | 40  | 10    | Marion | Shirley L. Nelson                                      |
| 3      | 40  | 10    | Marion | Jackson G. & Patricia R. Smith                         |
| 4      | 40  | 2     | Marion | Ullrich, K. & J. G. Jr.                                |
| 5      | 40  | 11    | Marion | Clarence W. Swanson                                    |
| 6      | 40  | 12    | Marion | Jacobs D. & Sheila L. Radcliff                         |
| 7      | 40  | 11    | Marion | Shelly L. Nelson                                       |
| 8      | 40  | 18    | Marion | Harwood, Lyle                                          |
| 9      | 40  | 17    | Marion | James B. Newberry                                      |
| 10     | 40  | 23    | Marion | Sara M. Pearce, et al.                                 |
| 11     | 39  | 4     | Marion | Coastal Forest Resources Company                       |
| 12     | 40  | 22    | Marion | James & Natalie Kerms                                  |
| 13     | 40  | 30    | Marion | Volmer, E. & W.                                        |
| 14     | 40  | 27    | Marion | Velma L. Law                                           |
| 15     | 41  | 5.9   | Marion | Jedediah S. & Nicole L. Foley                          |
| 16     | 41  | 7     | Marion | Steven R. Newberry                                     |
| 17     | 44  | 30    | Marion | Charles R. & Rose Shaver                               |
| 18     | 44  | 15    | Marion | Thomas E. & Julie Shaver                               |
| 19     | 40  | 27.3  | Marion | Richard L. Cain                                        |
| 20     | 42  | 21    | Marion | Nathaniel C. Hilde                                     |
| 21     | 42  | 16    | Marion | Nathaniel C. Hilde                                     |
| 22     | 39  | 4.3   | Marion | Thomas R. & Susan M. Shaver                            |
| 23     | 40  | 2.2   | Marion | James W. Owen                                          |
| 24     | 40  | 2.1   | Marion | Leon C. & Heather R. Street                            |
| 25     | 39  | 3     | Marion | Thomas G. & Theresa A. Jones                           |
| 26     | 39  | 5     | Marion | Thomas G. & Theresa A. Jones                           |
| 27     | 38  | 22    | Marion | Dorel Heford                                           |
| 28     | 38  | 21    | Marion | Dennis C. & Louise M. Hayes                            |
| 29     | 38  | 1     | Marion | Lesley B. & Jennifer L. Alexander                      |
| 30     | 44  | 11    | Marion | Charles D. & June Shaver                               |
| 31     | 38  | 1     | Marion | Justin & Sandra Davis                                  |
| 32     | 44  | 12    | Marion | Charles D. & June Shaver                               |
| 33     | 44  | 12    | Marion | Justin & Sandra Davis                                  |
| 34     | 44  | 13.1  | Marion | Charles D. & June Shaver                               |
| 35     | 38  | 4     | Marion | Thomas R. & Margaret M. Williams                       |
| 36     | 38  | 5     | Marion | Thomas R. & Margaret M. Williams                       |
| 37     | 38  | 6     | Marion | Thomas R. & Margaret M. Williams                       |
| 38     | 44  | 10    | Marion | Charles D. & June Shaver                               |
| 39     | 38  | 10    | Marion | Thomas R. & Margaret M. Williams                       |
| 40     | 38  | 8     | Marion | John D. & Raj K. Gaur                                  |
| 41     | 38  | 6     | Marion | Thomas E. & Andrea G. Ryan                             |
| 42     | 44  | 5     | Marion | John D. & Raj K. Gaur                                  |
| 43     | 44  | 6     | Marion | John D. & Raj K. Gaur                                  |
| 44     | 38  | 8.1   | Marion | John D. & Raj K. Gaur                                  |
| 45     | 44  | 8     | Marion | Charles D. & June Shaver                               |
| 46     | 44  | 9     | Marion | Charles D. & June Shaver                               |
| 47     | 44  | 1     | Marion | Edna Marie Cain                                        |
| 48     | 44  | 1     | Marion | Richard L. Cain                                        |
| 49     | 44  | 3     | Marion | Thomas E. & Andrea G. Ryan                             |
| 50     | 25  | 11    | Marion | Yella Holcomb                                          |
| 51     | 26  | 10.1  | Marion | Michael L. & Laura A. Corbey                           |
| 52     | 26  | 12.5  | Marion | Christina L. Frazier, et al.                           |
| 53     | 26  | 12    | Marion | Cordy Sasser, et al.                                   |
| 54     | 38  | 13.2  | Marion | Christina L. Frazier, et al.                           |
| 55     | 17  | 11    | Marion | John K. Cain                                           |
| 56     | 17  | 42.1  | Marion | Julia A. & John R. Cain                                |
| 57     | 16  | 11.1  | Marion | Christina L. Frazier, et al.                           |
| 58     | 17  | 17    | Marion | Jeffrey H. Michael                                     |
| 59     | 17  | 20    | Marion | Justin R. Cain                                         |
| 60     | 17  | 1     | Marion | Ervin R. & Heather J. Edwards                          |
| 61     | 44  | 11    | Marion | Robert C. Corbin                                       |
| 62     | 44  | 27    | Marion | Quinn Durbin                                           |
| 63     | 44  | 37    | Marion | Charles P. & Kathy B. Givner                           |
| 64     | 44  | 24.1  | Marion | SD of TRS Mineral Washfield CRD LDC of AF & AM WV Inc. |
| 65     | 44  | 24    | Marion | Shirley L. Nelson                                      |
| 66     | 37  | 10    | Marion | City of Morgantown                                     |
| 67     | 37  | 16    | Marion | Timothy L. & Terri A. Swadlow                          |
| 68     | 37  | 22.1  | Marion | Ronald C. & Betty L. Michael, et al.                   |
| 69     | 37  | 17    | Marion | Jeffrey H. Michael                                     |
| 70     | 37  | 10    | Marion | Todd A. Siler                                          |
| 71     | 38  | 11    | Marion | Francis M. Hagg                                        |
| 72     | 38  | 14.1  | Marion | John A. Mayhew, Jr.                                    |
| 73     | 37  | 24    | Marion | James O. Adkinson                                      |
| 74     | 37  | 24    | Marion | Christine L. Frazier, et al.                           |
| 75     | 37  | 24    | Marion | Jeffrey H. Michael                                     |
| 76     | 37  | 24    | Marion | Jeffrey H. Michael                                     |
| 77     | 37  | 17.1  | Marion | Nelson C. & Betty L. Michael                           |
| 78     | 37  | 27.3  | Marion | Ronald C. & Betty L. Michael                           |

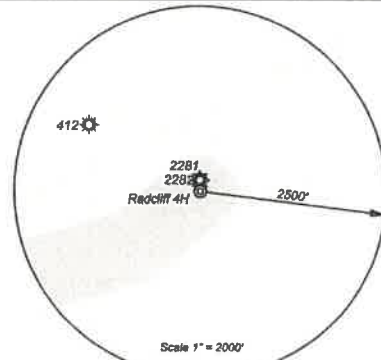


As-Drilled Well Information:  
Radcliff 4H coordinates are  
NAD 83 N: 397,550.69 E: 1,704,154.72  
NAD 83 UTM N: 4,382,143.19 E: 548,253.85  
Radcliff 4H Landing Point coordinates are  
NAD 83 N: 395,375.69 E: 1,701,059.14  
NAD 83 UTM N: 4,381,469.81 E: 547,327.80  
Radcliff 4H Bottom Hole coordinates are  
NAD 83 N: 381,596.43 E: 1,707,314.91  
NAD 83 UTM N: 4,377,425.45 E: 549,301.74  
West Virginia Coordinate system of 1983 (North Zone)  
based upon Differential GPS Measurements.  
Plat orientation, corner and well ties are based upon  
the grid north meridian.  
Well location references are based upon the grid north  
meridian.  
UTM coordinates are NAD83, Zone 17, Meters.

## Radcliff

- Radcliff 18H
- Radcliff 16H
- Radcliff 14H
- Radcliff 12H
- Radcliff 10H
- Radcliff 8H
- Radcliff 6H
- Radcliff 4H

| Lease No. | Owner                                       | Acres  |
|-----------|---------------------------------------------|--------|
| 109790001 | Rebecca R. Shuttlesworth, et al.            | 1090   |
| 108850000 | AMP IV, LP, et al.                          | 92.1   |
| 139194000 | James Kerms and Natalie Kerms, JTWRGS       | 113.25 |
| 134422000 | June Shaver                                 | 100.45 |
| 106742000 | The Shells Lightbox Revocable Trust, et al. | 37.25  |
| 129771000 | Joanne Edgell, et al.                       | 50.75  |
| 127156000 | EQT Production Company, et al.              | 240    |
| 127156000 | EQT Production Company, et al.              | 102.75 |
| 223625003 | Bradley W. Thomas, et al.                   | 141    |
| 223625002 | Jacob G. Ford, et al.                       | 18     |
| 127156000 | EQT Production Company, et al.              | 34.64  |
| 119048000 | Lee and Hall Royalties, et al.              | 809    |



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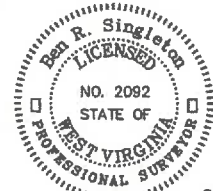
WV Department of  
Environmental Protection



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 Environmental Protection.

*Ben R. Singleton*

P.S. 2092



SEAL

FILE NO: 113-21  
DRAWING NO: Radcliff 4H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
1:2500  
PROVEN SOURCE OF ELEVATION:  
NGS CORS Station

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



DATE: April 23 20 24  
OPERATOR'S WELL NO.: Radcliff 4H  
API WELL NO  
47 - 049 - 02516  
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL  
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW  
LOCATION: ELEVATION: 1493' WATERSHED: Bartholomew Fork QUADRANGLE: Glover Gap  
DISTRICT: Mannington COUNTY: Marion  
SURFACE OWNER: Jackie D. & Sheila L. Radcliff ACREAGE: 48.08  
ROYALTY OWNER: Rebecca R. Shuttlesworth, et al. LEASE NO: 109790001 ACREAGE: 1090  
PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ 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: Marcellus ESTIMATED DEPTH: 7916'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive  
Canonsburg, PA 15317 Clarksburg, WV 26301

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## Perforation Data

09/19/2025

| Stage No. | Perforation Date | Stage Perforated From TMD Ft. | Stage Perforated To TMD Ft. | # of Perforations/Stage | Formation(s) |
|-----------|------------------|-------------------------------|-----------------------------|-------------------------|--------------|
| 2         | 09/12/2024       | 24361                         | 24179                       | 40                      | Marcellus    |
| 3         | 09/13/2024       | 24159                         | 23977                       | 40                      | Marcellus    |
| 4         | 09/14/2024       | 23958                         | 23776                       | 40                      | Marcellus    |
| 5         | 09/14/2024       | 23756                         | 23574                       | 40                      | Marcellus    |
| 6         | 09/14/2024       | 23555                         | 23373                       | 40                      | Marcellus    |
| 7         | 09/15/2024       | 23353                         | 23171                       | 40                      | Marcellus    |
| 8         | 09/15/2024       | 23152                         | 22970                       | 40                      | Marcellus    |
| 9         | 09/15/2024       | 22950                         | 22768                       | 40                      | Marcellus    |
| 10        | 09/16/2024       | 22749                         | 22567                       | 40                      | Marcellus    |
| 11        | 09/16/2024       | 22547                         | 22365                       | 40                      | Marcellus    |
| 12        | 09/17/2024       | 22346                         | 22164                       | 40                      | Marcellus    |
| 13        | 09/17/2024       | 22144                         | 21962                       | 40                      | Marcellus    |
| 14        | 09/17/2024       | 21943                         | 21761                       | 40                      | Marcellus    |
| 15        | 09/18/2024       | 21741                         | 21559                       | 40                      | Marcellus    |
| 16        | 09/18/2024       | 21540                         | 21358                       | 40                      | Marcellus    |
| 17        | 09/19/2024       | 21338                         | 21156                       | 40                      | Marcellus    |
| 18        | 09/19/2024       | 21137                         | 20955                       | 40                      | Marcellus    |
| 19        | 09/20/2024       | 20935                         | 20753                       | 40                      | Marcellus    |
| 20        | 09/20/2024       | 20734                         | 20552                       | 40                      | Marcellus    |
| 21        | 09/20/2024       | 20532                         | 20350                       | 40                      | Marcellus    |
| 22        | 09/21/2024       | 20331                         | 20149                       | 40                      | Marcellus    |
| 23        | 09/21/2024       | 20129                         | 19947                       | 40                      | Marcellus    |
| 24        | 09/21/2024       | 19928                         | 19746                       | 40                      | Marcellus    |
| 25        | 09/22/2024       | 19726                         | 19544                       | 40                      | Marcellus    |
| 26        | 09/23/2024       | 19525                         | 19343                       | 40                      | Marcellus    |
| 27        | 09/23/2024       | 19323                         | 19141                       | 40                      | Marcellus    |
| 28        | 09/24/2024       | 19122                         | 18940                       | 40                      | Marcellus    |
| 29        | 09/24/2024       | 18920                         | 18738                       | 40                      | Marcellus    |
| 30        | 09/25/2024       | 18719                         | 18537                       | 40                      | Marcellus    |
| 31        | 09/25/2024       | 18517                         | 18335                       | 40                      | Marcellus    |
| 32        | 09/25/2024       | 18316                         | 18134                       | 40                      | Marcellus    |
| 33        | 09/26/2024       | 18114                         | 17932                       | 40                      | Marcellus    |
| 34        | 09/27/2024       | 17913                         | 17731                       | 40                      | Marcellus    |
| 35        | 09/27/2024       | 17711                         | 17529                       | 40                      | Marcellus    |
| 36        | 09/27/2024       | 17510                         | 17328                       | 40                      | Marcellus    |
| 37        | 09/27/2024       | 17308                         | 17126                       | 40                      | Marcellus    |
| 38        | 09/28/2024       | 17107                         | 16925                       | 40                      | Marcellus    |
| 39        | 09/28/2024       | 16905                         | 16723                       | 40                      | Marcellus    |
| 40        | 09/28/2024       | 16704                         | 16522                       | 40                      | Marcellus    |
| 41        | 09/29/2024       | 16502                         | 16320                       | 40                      | Marcellus    |
| 42        | 09/29/2024       | 16301                         | 16119                       | 40                      | Marcellus    |

09/19/2025

|    |            |       |       |    |           |
|----|------------|-------|-------|----|-----------|
| 43 | 09/30/2024 | 16099 | 15917 | 40 | Marcellus |
| 44 | 09/30/2024 | 15898 | 15716 | 40 | Marcellus |
| 45 | 09/30/2024 | 15696 | 15514 | 40 | Marcellus |
| 46 | 10/01/2024 | 15495 | 15313 | 40 | Marcellus |
| 47 | 10/01/2024 | 15293 | 15111 | 40 | Marcellus |
| 48 | 10/01/2024 | 15092 | 14910 | 40 | Marcellus |
| 49 | 10/02/2024 | 14890 | 14708 | 40 | Marcellus |
| 50 | 10/02/2024 | 14689 | 14507 | 40 | Marcellus |
| 51 | 10/02/2024 | 14487 | 14305 | 40 | Marcellus |
| 52 | 10/03/2024 | 14286 | 14104 | 40 | Marcellus |
| 53 | 10/03/2024 | 14084 | 13902 | 40 | Marcellus |
| 54 | 10/04/2024 | 13883 | 13701 | 40 | Marcellus |
| 55 | 10/04/2024 | 13681 | 13499 | 40 | Marcellus |
| 56 | 10/05/2024 | 13480 | 13298 | 40 | Marcellus |
| 57 | 10/05/2024 | 13278 | 13096 | 40 | Marcellus |
| 58 | 10/05/2024 | 13077 | 12895 | 40 | Marcellus |
| 59 | 10/06/2024 | 12875 | 12693 | 40 | Marcellus |
| 60 | 10/06/2024 | 12674 | 12492 | 40 | Marcellus |
| 61 | 10/06/2024 | 12472 | 12290 | 40 | Marcellus |
| 62 | 10/07/2024 | 12271 | 12089 | 40 | Marcellus |
| 63 | 10/07/2024 | 12069 | 11887 | 40 | Marcellus |
| 64 | 10/07/2024 | 11868 | 11686 | 40 | Marcellus |
| 65 | 10/08/2024 | 11666 | 11484 | 40 | Marcellus |
| 66 | 10/08/2024 | 11465 | 11283 | 40 | Marcellus |
| 67 | 10/09/2024 | 11263 | 11081 | 40 | Marcellus |
| 68 | 10/09/2024 | 11062 | 10880 | 40 | Marcellus |
| 69 | 10/10/2024 | 10860 | 10678 | 40 | Marcellus |
| 70 | 10/10/2024 | 10659 | 10477 | 40 | Marcellus |
| 71 | 10/10/2024 | 10457 | 10275 | 40 | Marcellus |
| 72 | 10/11/2024 | 10256 | 10074 | 40 | Marcellus |
| 73 | 10/11/2024 | 10054 | 9872  | 40 | Marcellus |
| 74 | 10/11/2024 | 9853  | 9671  | 40 | Marcellus |
| 75 | 10/12/2024 | 9651  | 9469  | 40 | Marcellus |

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## Stimulation Data

09/19/2025

| Stage # | Stimulation Date | Ave Pump Rate (BPM) | Ave Treatment Pressure (PSI) | Max Breakdown Pressure (PSI) | ISIP (PSI) | Amount of Proppant (lbs) | Amount of Water (bbls) | Amount of Nitrogen/other (units) |
|---------|------------------|---------------------|------------------------------|------------------------------|------------|--------------------------|------------------------|----------------------------------|
| 1       | 09/12/2024       | 54                  | 8971                         | 8046                         | 4522       | 177956                   | 5140.000               |                                  |
| 2       | 09/13/2024       | 100                 | 8844                         | 6432                         | 5138       | 439873                   | 10427.000              |                                  |
| 3       | 09/14/2024       | 98                  | 8881                         | 6669                         | 3446       | 440155                   | 10378.000              |                                  |
| 4       | 09/14/2024       | 97                  | 9229                         | 6481                         | 5105       | 439959                   | 10460.000              |                                  |
| 5       | 09/14/2024       | 98                  | 9197                         | 6805                         | 4747       | 440202                   | 10408.000              |                                  |
| 6       | 09/15/2024       | 99                  | 9292                         | 6273                         | 5218       | 440224                   | 10301.000              |                                  |
| 7       | 09/15/2024       | 100                 | 9236                         | 6307                         | 5048       | 440137                   | 10701.000              |                                  |
| 8       | 09/16/2024       | 98                  | 9213                         | 5914                         | 5381       | 438291                   | 10439.000              |                                  |
| 9       | 09/16/2024       | 98                  | 9218                         | 6084                         | 5716       | 440316                   | 10401.000              |                                  |
| 10      | 09/16/2024       | 98                  | 9245                         | 6152                         | 8990       | 440070                   | 10936.000              |                                  |
| 11      | 09/17/2024       | 99                  | 9169                         | 5965                         | 5495       | 439625                   | 10519.000              |                                  |
| 12      | 09/17/2024       | 98                  | 9117                         | 6551                         | 6208       | 440229                   | 10256.491              |                                  |
| 13      | 09/18/2024       | 98                  | 9116                         | 7878                         | 6001       | 440151                   | 10425.000              |                                  |
| 14      | 09/18/2024       | 100                 | 9041                         | 5760                         | 5598       | 440212                   | 10552.000              |                                  |
| 15      | 09/18/2024       | 100                 | 9058                         | 6326                         | 5543       | 440232                   | 10437.000              |                                  |
| 16      | 09/19/2024       | 100                 | 9059                         | 6179                         | 5580       | 440812                   | 10314.000              |                                  |
| 17      | 09/19/2024       | 100                 | 9061                         | 5990                         | 5758       | 440252                   | 10314.000              |                                  |
| 18      | 09/20/2024       | 100                 | 9120                         | 5775                         | 5905       | 440509                   | 10436.000              |                                  |
| 19      | 09/20/2024       | 100                 | 9182                         | 6635                         | 5622       | 440159                   | 10411.000              |                                  |
| 20      | 09/20/2024       | 100                 | 9000                         | 6350                         | 5272       | 440918                   | 10435.000              |                                  |
| 21      | 09/21/2024       | 100                 | 8938                         | 5823                         | 5515       | 440068                   | 10522.000              |                                  |
| 22      | 09/21/2024       | 99                  | 8981                         | 6297                         | 5615       | 440255                   | 10649.000              |                                  |
| 23      | 09/22/2024       | 99                  | 8921                         | 5873                         | 6059       | 440247                   | 10545.000              |                                  |
| 24      | 09/22/2024       | 100                 | 9060                         | 6337                         | 5698       | 440188                   | 10381.000              |                                  |
| 25      | 09/23/2024       | 100                 | 8870                         | 5836                         | 5968       | 440138                   | 10398.000              |                                  |
| 26      | 09/23/2024       | 99                  | 8952                         | 6321                         | 5246       | 440078                   | 10631.000              |                                  |
| 27      | 09/24/2024       | 100                 | 9105                         | 5838                         | 6148       | 441482                   | 10197.000              |                                  |
| 28      | 09/24/2024       | 100                 | 9025                         | 5947                         | 5869       | 440234                   | 11078.000              |                                  |
| 29      | 09/25/2024       | 100                 | 9136                         | 6341                         | 6090       | 439989                   | 10508.000              |                                  |
| 30      | 09/25/2024       | 99                  | 9013                         | 6580                         | 5389       | 440014                   | 10197.000              |                                  |
| 31      | 09/25/2024       | 100                 | 8770                         | 6219                         | 5877       | 441130                   | 10258.000              |                                  |
| 32      | 09/26/2024       | 100                 | 8982                         | 6013                         | 5871       | 440212                   | 10502.000              |                                  |
| 33      | 09/27/2024       | 100                 | 9047                         | 5783                         | 5956       | 440102                   | 10576.000              |                                  |
| 34      | 09/27/2024       | 101                 | 8987                         | 6078                         | 6379       | 440077                   | 10148.000              |                                  |
| 35      | 09/27/2024       | 101                 | 8995                         | 6233                         | 5669       | 440508                   | 10214.000              |                                  |
| 36      | 09/28/2024       | 101                 | 9066                         | 5739                         | 0          | 440077                   | 10320.000              |                                  |
| 37      | 09/28/2024       | 98                  | 8766                         | 6271                         | 5661       | 440409                   | 10135.000              |                                  |
| 38      | 09/28/2024       | 100                 | 8947                         | 6085                         | 6064       | 440441                   | 10172.000              |                                  |
| 39      | 09/29/2024       | 96                  | 8743                         | 6484                         | 5103       | 440115                   | 10182.000              |                                  |
| 40      | 09/29/2024       | 100                 | 8969                         | 6908                         | 5409       | 440398                   | 10114.000              |                                  |
| 41      | 09/29/2024       | 100                 | 9027                         | 6682                         | 5811       | 440782                   | 10165.000              |                                  |

09/19/2025

|    |            |     |      |      |      |        |           |
|----|------------|-----|------|------|------|--------|-----------|
| 42 | 09/30/2024 | 100 | 8892 | 6503 | 6088 | 440149 | 10224.000 |
| 43 | 09/30/2024 | 99  | 8972 | 9241 | 5586 | 440335 | 10082.000 |
| 44 | 10/01/2024 | 100 | 9005 | 6429 | 6254 | 440190 | 10221.000 |
| 45 | 10/01/2024 | 100 | 8839 | 6654 | 6298 | 440051 | 10093.000 |
| 46 | 10/01/2024 | 96  | 8612 | 6048 | 6216 | 439561 | 10140.000 |
| 47 | 10/02/2024 | 96  | 8702 | 6868 | 5959 | 440561 | 10061.000 |
| 48 | 10/02/2024 | 100 | 8986 | 9123 | 5860 | 441724 | 10074.000 |
| 49 | 10/02/2024 | 95  | 8700 | 9133 | 5860 | 440366 | 10048.000 |
| 50 | 10/03/2024 | 95  | 8499 | 6774 | 6130 | 440551 | 10204.000 |
| 51 | 10/03/2024 | 96  | 8372 | 9119 | 5589 | 439906 | 10065.000 |
| 52 | 10/04/2024 | 100 | 8546 | 6069 | 4776 | 440066 | 10030.000 |
| 53 | 10/04/2024 | 100 | 8519 | 7959 | 4963 | 442081 | 10073.000 |
| 54 | 10/04/2024 | 100 | 8536 | 5710 | 4929 | 440121 | 9956.000  |
| 55 | 10/05/2024 | 100 | 8389 | 5446 | 5737 | 440131 | 10000.000 |
| 56 | 10/05/2024 | 101 | 8480 | 6191 | 5524 | 439950 | 9979.000  |
| 57 | 10/06/2024 | 100 | 8508 | 5817 | 5438 | 440328 | 9962.000  |
| 58 | 10/06/2024 | 101 | 8379 | 5985 | 5681 | 440162 | 9985.000  |
| 59 | 10/06/2024 | 100 | 8027 | 9148 | 5984 | 439841 | 9949.000  |
| 60 | 10/06/2024 | 100 | 8036 | 6896 | 5499 | 440080 | 9920.000  |
| 61 | 10/07/2024 | 101 | 8362 | 6402 | 0    | 440102 | 9928.000  |
| 62 | 10/07/2024 | 100 | 8612 | 6865 | 5652 | 439703 | 9924.000  |
| 63 | 10/08/2024 | 101 | 8353 | 5427 | 5130 | 440292 | 9913.000  |
| 64 | 10/08/2024 | 100 | 8417 | 5929 | 5855 | 440018 | 9897.000  |
| 65 | 10/08/2024 | 100 | 8439 | 5646 | 5673 | 440248 | 9907.000  |
| 66 | 10/09/2024 | 101 | 8284 | 8116 | 5163 | 441031 | 9930.000  |
| 67 | 10/09/2024 | 100 | 8160 | 6171 | 5502 | 440035 | 9853.000  |
| 68 | 10/10/2024 | 101 | 8057 | 8861 | 5585 | 440201 | 9673.000  |
| 69 | 10/10/2024 | 100 | 7700 | 6439 | 6641 | 440084 | 9780.435  |
| 70 | 10/10/2024 | 101 | 8030 | 6198 | 5381 | 440432 | 9972.000  |
| 71 | 10/11/2024 | 100 | 8070 | 6321 | 5481 | 440409 | 9831.000  |
| 72 | 10/11/2024 | 100 | 7970 | 6878 | 5403 | 440012 | 9841.000  |
| 73 | 10/11/2024 | 100 | 8041 | 6362 | 5569 | 440633 | 9885.000  |
| 74 | 10/12/2024 | 100 | 8071 | 6250 | 5486 | 440785 | 9807.000  |
| 75 | 10/12/2024 | 100 | 8115 | 6604 | 5278 | 440136 | 9803.000  |

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09/19/2025

# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                 |                    |
|---------------------------------|--------------------|
| Job Start Date:                 | 09/12/2024         |
| Job End Date:                   | 10/12/2024         |
| State:                          | West Virginia      |
| County:                         | Marion             |
| API Number:                     | 47-049-02516-00-00 |
| Operator Name:                  | EQT Production     |
| Well Name and Number:           | Radcliff 4H        |
| Latitude:                       | 39.587698          |
| Longitude:                      | -80.437997         |
| Datum:                          | NAD83              |
| Federal Well:                   | NO                 |
| Indian Well:                    | NO                 |
| True Vertical Depth:            | 7967               |
| Total Base Water Volume (gal)*: | 31944902.892       |
| Total Base Non Water Volume:    | 0                  |



| Water Source | Percent |
|--------------|---------|
|--------------|---------|

## Hydraulic Fracturing Fluid Composition:

| Trade Name             | Supplier              | Purpose            | Ingredients                                                           | Chemical Abstract Service Number (CAS #) | Maximum Ingredient Concentration in Additive (% by mass)** | Maximum Ingredient Concentration in HF Fluid (% by mass)** | Comments |
|------------------------|-----------------------|--------------------|-----------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|----------|
| Water                  | EQT                   | Carrier/Base Fluid |                                                                       |                                          |                                                            |                                                            |          |
|                        |                       |                    | Water                                                                 | 7732-18-5                                | 100.00000                                                  | 89.01408                                                   | None     |
| Sand (Proppant)        | EQT                   | Proppant           |                                                                       |                                          |                                                            |                                                            |          |
|                        |                       |                    | Silica Substrate                                                      | 14808-60-7                               | 100.00000                                                  | 10.93809                                                   | None     |
| StimSTREAM FR 9800     | ChemStream            | Friction Reducer   |                                                                       |                                          |                                                            |                                                            |          |
|                        | Office of Oil and Gas |                    | ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER | 69418-26-4                               | 40.00000                                                   | 0.00196                                                    | None     |
| StimSTREAM FR 9800     | ChemStream            | Friction Reducer   |                                                                       |                                          |                                                            |                                                            |          |
|                        |                       |                    | ALKANES, C12-26-BRANCHED AND LINEAR                                   | 90622-53-0                               | 40.00000                                                   | 0.00196                                                    | None     |
| Enviro-Syn HCR-7000-WL | Fluid USA, Inc.       | Synthetic Acid     |                                                                       |                                          |                                                            |                                                            |          |

09/19/2025

|                               |                    |                     |                                       |             |          |         |      |
|-------------------------------|--------------------|---------------------|---------------------------------------|-------------|----------|---------|------|
|                               |                    |                     | FLUID-Acid-00001                      | Proprietary | 20.00000 | 0.00132 | None |
| Clearal 268                   | ChemStream         | Biocide             |                                       |             |          |         |      |
|                               |                    |                     | Water                                 | 7732-18-5   | 80.00000 | 0.00101 | None |
| Enviro-Syn<br>HCR-7000-<br>WL | Fluid USA,<br>Inc. | Synthetic<br>Acid   |                                       |             |          |         |      |
|                               |                    |                     | FLUID-Amine-00001                     | Proprietary | 10.00000 | 0.00033 | None |
| StimSTREAM<br>FR 9800         | ChemStream         | Friction<br>Reducer |                                       |             |          |         |      |
|                               |                    |                     | Water                                 | 7732-18-5   | 15.00000 | 0.00028 | None |
| Clearal 268                   | ChemStream         | Biocide             |                                       |             |          |         |      |
|                               |                    |                     | Glutaraldehyde                        | 111-30-8    | 20.00000 | 0.00006 | None |
| StimSTREAM<br>FR 9800         | ChemStream         | Friction<br>Reducer |                                       |             |          |         |      |
|                               |                    |                     | ETHOXYLATED<br>ALCOHOLS (C12-16)      | 68551-12-2  | 5.00000  | 0.00003 | None |
| StimSTREAM<br>SC-398          | ChemStream         | Scale<br>Inhibitor  |                                       |             |          |         |      |
|                               |                    |                     | AA/ATBS Co-polymer                    | 9003-05-8   | 5.00000  | 0.00000 | None |
| Clearal 268                   | ChemStream         | Biocide             |                                       |             |          |         |      |
|                               |                    |                     | Didecyl dimethyl ammonium<br>chloride | 7173-51-5   | 3.00000  | 0.00000 | None |
| Clearal 268                   | ChemStream         | Biocide             |                                       |             |          |         |      |
|                               |                    |                     | Quaternary Ammonium<br>Compounds      | 68424-85-1  | 3.00000  | 0.00000 | None |
| Clearal 268                   | ChemStream         | Biocide             |                                       |             |          |         |      |
|                               |                    |                     | Ethanol                               | 64-17-5     | 1.50000  | 0.00000 | None |
| StimSTREAM<br>SC-398          | ChemStream         | Scale<br>Inhibitor  |                                       |             |          |         |      |
|                               |                    |                     | AA/Maleic Anhydride Co-<br>polymer    | 9003-04-7   | 1.00000  | 0.00000 | None |

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS

\* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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**Radcliff 4H**  
**Radcliff**  
**EQT Production Company**

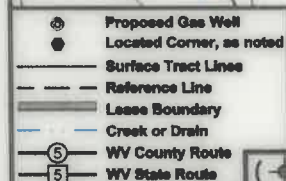
|       |         |            |               |              |
|-------|---------|------------|---------------|--------------|
| CURVE | RADIUS  | ARC LENGTH | CHORD BEARING | CHORD LENGTH |
| C1    | 816.97' | 343.63'    | S 62°33'02" W | 341.1'       |

|      |               |          |
|------|---------------|----------|
| LINE | BEARING       | DISTANCE |
| L1   | S 50°30'04" W | 1011.19' |

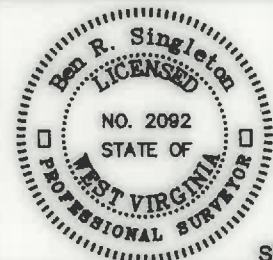


TH: 13588' LONG: 80-25-00



**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 Environmental Protection.**

P.S. 2092



SEAL

FILE NO: 113-21  
DRAWING NO: Radcliff 4H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
1:2500  
PROVEN SOURCE OF ELEVATION:  
NGS CORS Station

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

DATE: April 23 20 24  
 OPERATOR'S WELL NO.: Raddliff 4H  
 API WELL NO  
47 - 049 - 02516  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1493' WATERSHED: Bartholomew Fork QUADRANGLE: Glover Gap  
DISTRICT: Mannington COUNTY: Marion 00/10/20

**SURFACE OWNER:** Jackie D. & Sheila L. Radcliff

ACREAGE: 48.08

**ROYALTY OWNER:** Rebecca R. Shuttlesworth, et al.

|           |           |          |      |
|-----------|-----------|----------|------|
| LEASE NO: | 109790001 | ACREAGE: | 1090 |
|-----------|-----------|----------|------|

PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ 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: Marcellus ESTIMATED DEPTH: 7916'

WELL OPERATOR: EQT Production Company  
ADDRESS: 400 Woodcliff Drive  
Canonsburg, PA 15317

DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 427 Midstate Drive  
Clarksburg, WV 26301



BH: 2685' LAT: 39-35-00

BH: 13931' LONG: 80-25-00

**Radcliff 4H**  
**Radcliff**  
**EQT Production Company**

Radcliff 4H  
As-Drilled  
Landing Point

Lease No.  
134422000

Lease No.  
106742000

Lease No.  
139194000

Lease No.  
134422000

Lease No.  
109790001

Lease No.  
106742000

Lease No.  
119048000

Lease No.  
129771000

Lease No.  
127156000

Lease No.  
129771000

Lease No.  
127156000

Lease No.  
127156000

Lease No.  
223825003

Lease No.  
223822002

Lease No.  
127156000

Lease No.  
119048000

Lease No.  
119048000

- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

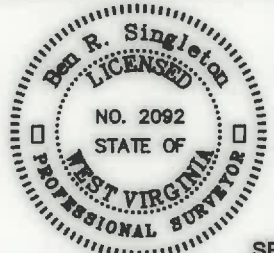
(\*) Denotes Location of Well on United States Topographic Maps



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 Environmental Protection.

*Ben R. Singleton*

P.S. 2092



SEAL

FILE NO: 113-21

DRAWING NO: Radcliff 4H

SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY:  
1:2500

PROVEN SOURCE OF ELEVATION:  
NGS CORS Station

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



DATE: April 23 20 24

OPERATOR'S WELL NO.: Radcliff 4H

API WELL NO

47 - 049 - 02516  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1493' WATERSHED Bartholomew Fork QUADRANGLE: Glover Gap

DISTRICT: Mannington COUNTY: Marion

SURFACE OWNER: Jackie D. & Sheila L. Radcliff

ACREAGE: 48.08

ROYALTY OWNER: Rebecca R. Shuttlesworth, et al.

LEASE NO: 109790001

ACREAGE: 1090

PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ 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: Marcellus ESTIMATED DEPTH: 7916'

WELL OPERATOR: EQT Production Company

DESIGNATED AGENT: Joseph C. Mallow

ADDRESS: 400 Woodcliff Drive

ADDRESS: 427 Midstate Drive

Canonsburg, PA 15317

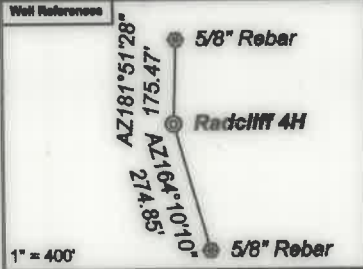
Clarksburg, WV 26301

09/19/2025



Radcliff 4H  
Radcliff  
EQT Production Company

| Tract I.D. | Tax Map No. | Parcel No. | County | District   | Surface Trust Owner                                | Acres   |
|------------|-------------|------------|--------|------------|----------------------------------------------------|---------|
| 1          | 40          | 10.1       | Marion | Mannington | Jackie D. & Sheila L. Radcliff                     | 48.08   |
| 2          | 40          | 10         | Marion | Mannington | Shelly L. Nelson                                   | 43.03   |
| 3          | 40          | 3          | Marion | Mannington | Jason G. & Heather R. Stout                        | 99.75   |
| 4          | 40          | 2          | Marion | Mannington | Lula B. Knight                                     | 56.32   |
| 5          | 40          | 11         | Marion | Mannington | Clarence W. Sweeney                                | 83      |
| 6          | 40          | 12         | Marion | Mannington | Jackie D. & Sheila L. Radcliff                     | 27.35   |
| 7          | 40          | 13         | Marion | Mannington | Shelly L. Nelson                                   | 19.75   |
| 8          | 40          | 18         | Marion | Mannington | Nimrod Cole                                        | 52.12   |
| 9          | 40          | 17         | Marion | Mannington | Steven S. Newbraugh                                | 106.7   |
| 10         | 40          | 23         | Marion | Mannington | Sara M. Pascoe, et al.                             | 26.41   |
| 11         | 30          | 4          | Marion | Mannington | Coastal Forest Resources Company                   | 215.722 |
| 12         | 40          | 22         | Marion | Mannington | James & Natalie Kerne                              | 113.25  |
| 13         | 40          | 20         | Marion | Mannington | Verma L. Plaw                                      | 57.5    |
| 14         | 40          | 19         | Marion | Mannington | Verma L. Plaw                                      | 107.25  |
| 15         | 41          | 5.3        | Marion | Mannington | Jedediah S. & Nicole L. Foley                      | 20.896  |
| 16         | 41          | 5          | Marion | Mannington | Steven R. Newbraugh                                | 66.707  |
| 17         | 44          | 14         | Marion | Mannington | Charles D. & June Shaver                           | 77.7    |
| 18         | 44          | 15         | Marion | Mannington | Charles D. & June Shaver                           | 70      |
| 19         | 40          | 22.1       | Marion | Mannington | Richard L. Cain                                    | 3.75    |
| 20         | 42          | 21         | Marion | Mannington | Mathusael C. Hilde                                 | 64.69   |
| 21         | 42          | 19         | Marion | Mannington | Mathusael C. Hilde                                 | 64.81   |
| 22         | 38          | 4.1        | Marion | Mannington | Thomas R. & Joanne McSherry                        | 14.9    |
| 23         | 40          | 2.2        | Marion | Mannington | James W. Dour                                      | 38.52   |
| 24         | 40          | 2.1        | Marion | Mannington | Jason G. & Heather R. Stout                        | 29.58   |
| 25         | 39          | 3          | Marion | Mannington | Thomas G. & Theresa A. Jones                       | 10.25   |
| 26         | 39          | 5          | Marion | Mannington | Thomas G. & Theresa A. Jones                       | 61.85   |
| 27         | 38          | 21.3       | Marion | Mannington | David Matfield                                     | 37.292  |
| 28         | 38          | 21         | Marion | Mannington | Dennis G. & Louise M. Hayes                        | 74.885  |
| 29         | 38          | 1          | Marion | Mannington | Cathy S. & Jennifer J. Allender                    | 51.25   |
| 30         | 44          | 11         | Marion | Mannington | Charles D. & June Shaver                           | 57.75   |
| 31         | 38          | 2          | Marion | Mannington | Justin & Kendra Davis                              | 13.05   |
| 32         | 41          | 15         | Marion | Mannington | Charles D. & June Shaver                           | 2.21    |
| 33         | 41          | 12         | Marion | Mannington | Justin & Kendra Davis                              | 0.48    |
| 34         | 41          | 11.1       | Marion | Mannington | Charles D. & June Shaver                           | 0.25    |
| 35         | 38          | 4          | Marion | Mannington | Thomas R. & Margaret M. Williams                   | 0.26    |
| 36         | 38          | 5          | Marion | Mannington | Thomas R. & Margaret M. Williams                   | 0.07    |
| 37         | 38          | 6          | Marion | Mannington | Thomas R. & Margaret M. Williams                   | 11.19   |
| 38         | 41          | 10         | Marion | Mannington | Charles D. & June Shaver                           | 128.75  |
| 39         | 38          | 10         | Marion | Mannington | Thomas F. & Andrea R. Ryan                         | 176.17  |
| 40         | 38          | 8          | Marion | Mannington | John D. & Raji K. Canan                            | 66.56   |
| 41         | 38          | 9          | Marion | Mannington | Thomas E. & Andrea G. Ryan                         | 62      |
| 42         | 44          | 5          | Marion | Mannington | Thomas E. & Andrea G. Ryan                         | 34.51   |
| 43         | 44          | 6          | Marion | Mannington | John D. & Raji K. Canan                            | 55      |
| 44         | 38          | 8.1        | Marion | Mannington | John D. & Raji K. Canan                            | 2.89    |
| 45         | 44          | 8          | Marion | Mannington | Charles D. & June Shaver                           | 18.5    |
| 46         | 44          | 9          | Marion | Mannington | Charles D. & June Shaver                           | 19      |
| 47         | 44          | 1          | Marion | Mannington | Edna Marie Cain                                    | 107.5   |
| 48         | 44          | 4          | Marion | Mannington | Richard L. Cain                                    | 54.33   |
| 49         | 44          | 3          | Marion | Mannington | Thomas E. & Andrea G. Ryan                         | 1       |
| 50         | 38          | 11         | Marion | Mannington | Talia Nikolaeva                                    | 115     |
| 51         | 38          | 10.1       | Marion | Mannington | Michael E. & Laura A. Gorbey                       | 1.15    |
| 52         | 38          | 13.3       | Marion | Mannington | Christine L. Fragale, et al.                       | 15.87   |
| 53         | 38          | 13         | Marion | Mannington | Cindy Slater, et al.                               | 0.34    |
| 54         | 38          | 13.2       | Marion | Mannington | Christine L. Fragale, et al.                       | 7       |
| 55         | 37          | 21         | Marion | Mannington | Justin R. Cain                                     | 123.86  |
| 56         | 37          | 21.1       | Marion | Mannington | Julie A. Lindsey & Justin R. Cain                  | 11.171  |
| 57         | 38          | 13.1       | Marion | Mannington | Christine L. Fragale, et al.                       | 16.56   |
| 58         | 37          | 22         | Marion | Mannington | Jeffrey H. Michael                                 | 164.83  |
| 59         | 37          | 20         | Marion | Mannington | Justin R. Cain                                     | 18      |
| 60         | 37          | 3          | Marion | Mannington | Kevin D. & Heather L. Blankenship                  | 44.75   |
| 61         | 44          | 31         | Marion | Mannington | Richard C. Corns                                   | 78      |
| 62         | 44          | 27         | Marion | Mannington | Daniel Derfuku                                     | 26.226  |
| 63         | 44          | 76         | Marion | Mannington | Charles P. & Kathy R. Glover                       | 41.05   |
| 64         | 44          | 24.1       | Marion | Mannington | SD of TRS Mut. Workshop GRD LDC of AF & AM WV Inc. | 43.56   |
| 65         | 44          | 24         | Marion | Mannington | Stradland Ltd                                      | 36.17   |
| 66         | 37          | 19         | Marion | Mannington | Gary E. Snodgrass                                  | 3.61    |
| 67         | 37          | 18         | Marion | Mannington | Tommy L. & Terri A. Snodgrass                      | 31.85   |
| 68         | 37          | 22.1       | Marion | Mannington | Ronald C. & Betty L. Michael, et al.               | 5.17    |
| 69         | 37          | 17         | Marion | Mannington | Jeffrey H. Michael                                 | 86.04   |
| 70         | 37          | 10         | Marion | Mannington | Todd A. Stiler                                     | 51      |
| 71         | 38          | 14         | Marion | Mannington | Nancy M. Riggs                                     | 52      |
| 72         | 38          | 14.1       | Marion | Mannington | John A. Mayhew, Jr.                                | 48      |
| 73         | 37          | 34         | Marion | Mannington | James U. Atkinson                                  | 112.5   |
| 74         | 37          | 23         | Marion | Mannington | Christine L. Fragale, et al.                       | 55      |
| 75         | 37          | 24         | Marion | Mannington | Jeffrey H. Michael                                 | 79      |
| 76         | 37          | 25         | Marion | Mannington | Jeffrey H. Michael                                 | 39.75   |
| 77         | 37          | 27.1       | Marion | Mannington | Ronald C. & Betty L. Michael                       | 1.46    |
| 78         | 37          | 27.2       | Marion | Mannington | Ronald C. & Betty L. Michael                       | 1.5     |

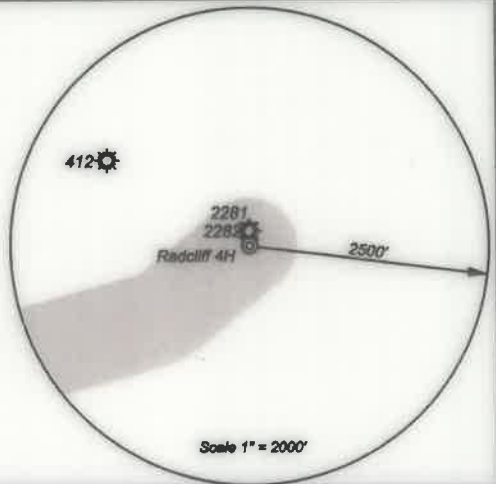


As-Drilled Well Information:  
Radcliff 4H coordinates are  
NAD 83 N: 397,550.69 E: 1,704,154.72  
NAD 83 UTM N: 4,382,148.19 E: 548,259.85  
Radcliff 4H Landing Point coordinates are  
NAD 83 N: 395,375.69 E: 1,701,059.14  
NAD 83 UTM N: 4,381,409.81 E: 547,327.80  
Radcliff 4H Bottom Hole coordinates are  
NAD 83 N: 381,998.43 E: 1,707,314.91  
NAD 83 UTM N: 4,377,425.45 E: 549,301.74  
West Virginia Coordinate system of 1983 (North Zone)  
based upon Differential GPS Measurements.  
Plat orientation, corner and well ties are based upon  
the grid north meridian.  
Well location references are based upon the grid north  
meridian.  
UTM coordinates are NAD83, Zone 17, Meters.

Radcliff

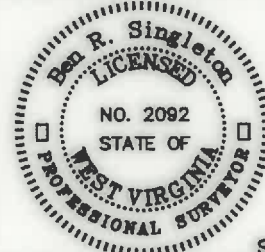
- Radcliff 18H
- Radcliff 16H
- Radcliff 14H
- Radcliff 12H
- Radcliff 10H
- Radcliff 8H
- Radcliff 6H
- Radcliff 4H

| Lease No. | Owner                                        | Acres  |
|-----------|----------------------------------------------|--------|
| 109790001 | Rebecca R. Shuttlesworth, et al.             | 1090   |
| 106658000 | AMP IV, LP, et al.                           | 92.1   |
| 139194000 | James Kerne and Natalie Kerne, JTWROS        | 113.25 |
| 134422000 | June Shaver                                  | 100.45 |
| 106742000 | The Sheila Lightfoot Revocable Trust, et al. | 37.25  |
| 128771000 | Joanne Edgell, et al.                        | 50.75  |
| 127158000 | EQT Production Company, et al.               | 240    |
| 127158000 | EQT Production Company, et al.               | 102.75 |
| 223825003 | Bradley W. Thomas, et al.                    | 141    |
| 223622002 | Jacob G. Ford, et al.                        | 18     |
| 127158000 | EQT Production Company, et al.               | 34.84  |
| 119048000 | Lee and Hall Royalties, et al.               | 808    |



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 Environmental Protection.

*Ben R. Singleton*  
P.S. 2092



SEAL

FILE NO: 113-21  
DRAWING NO: Radcliff 4H  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: April 23 20 24  
OPERATOR'S WELL NO.: Radcliff 4H  
API WELL NO  
47 - 049 - 02516  
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL  
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW  
LOCATION: ELEVATION: 1493' WATERSHED Bartholomew Fork QUADRANGLE: Glover Gap  
DISTRICT: Mannington COUNTY: Marion  
SURFACE OWNER: Jackie D. & Sheila L. Radcliff ACREAGE: 48.08  
ROYALTY OWNER: Rebecca R. Shuttlesworth, et al. LEASE NO: 109790001 ACREAGE: 1090  
PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ 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: Marcellus ESTIMATED DEPTH: 7916'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow  
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive  
Canonsburg, PA 15317 Clarksburg, WV 26301