

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

**APPROVED**  
K7 3/24/25

API 47 - 049 - 02512 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 10H (L004665)  
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 4,382,161.56 Easting 548,256.82  
Landing Point of Curve Northing 4,381,818.83 Easting 548,184.95  
Bottom Hole Northing 4,377,826.72 Easting 550,127.47

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 13.28 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 09/11/2023 Date drilling commenced 11/04/2023 Date drilling ceased 03/11/2024  
Date completion activities began 09/13/2024 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 2101' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 1190', 1285' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:

**04/11/2025**

API 47- 049 - 02512 Farm name Jackie D. and Sheila L. Radcliff Well number Radcliff 10H (L004665)

| 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'                | Y                                                       |
| Coal                      |                |             |            |             |             |                      |                                                         |
| Intermediate 1            | 12-1/4"        | 9-5/8"      | 2730'      | NEW         | J-55 36#    | N/A                  | Y                                                       |
| Intermediate 2            |                |             |            |             |             |                      |                                                         |
| Intermediate 3            |                |             |            |             |             |                      |                                                         |
| Production                | 8-3/4", 8-1/2" | 6"          | 23,105'    | NEW         | P-110 24#   | N/A                  | N                                                       |
| Tubing                    |                |             |            |             |             |                      |                                                         |
| Packer type and depth set |                |             |            |             |             |                      |                                                         |

Comment Details Production cmt has calculated TOC of 1262'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              | 1265            | 16.0            | 1.09                         | 1379                      | 0               | 8         |
| Coal           |                      |                 |                 |                              |                           |                 |           |
| Intermediate 1 | CLASS L              | 1005            | 15.6            | 1.14                         | 1146                      | 0               | 8         |
| Intermediate 2 |                      |                 |                 |                              |                           |                 |           |
| Intermediate 3 |                      |                 |                 |                              |                           |                 |           |
| Production     | CLASS A              | 3775            | 15.0            | 1.18                         | 4454                      | 1262'           | 8+        |
| Tubing         |                      |                 |                 |                              |                           |                 |           |

Drillers TD (ft) 23,130' Loggers TD (ft) N/A  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure Pilot Hole BHKA: Pump 34 bbls spacer @ 14.5#. 1.572 yld Pump 80 bbls (495 sks) of Dense Cem @ 17.5# 0.944 YLD 3.46 gal/sk.  
 Pump 3 bbls (18 sks) of Dense Cem @ 17.5# 0.944 YLD 3.46 gal/sk. Pump 12 bbls spacer @ 14.5#. 1.918 yld Switch to rig pumps and displace with 111 bbls of SOBM

Kick off depth (ft) 997'

Check all wireline logs run

☐ alignment of  
☐ density ☒ deviated/directional ☐ induction  
☐ 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 8528', EVERY JOINT TO 7046' AND EVERY OTHER JOINT TO 2115'

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

04/11/2025

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## 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.

04/11/2025

Well number Radcliff 10H (L004665)

MD

[illegible]

**Attach copy of FRACFOCUS Registry**

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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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WV Department of  
Environmental Protection

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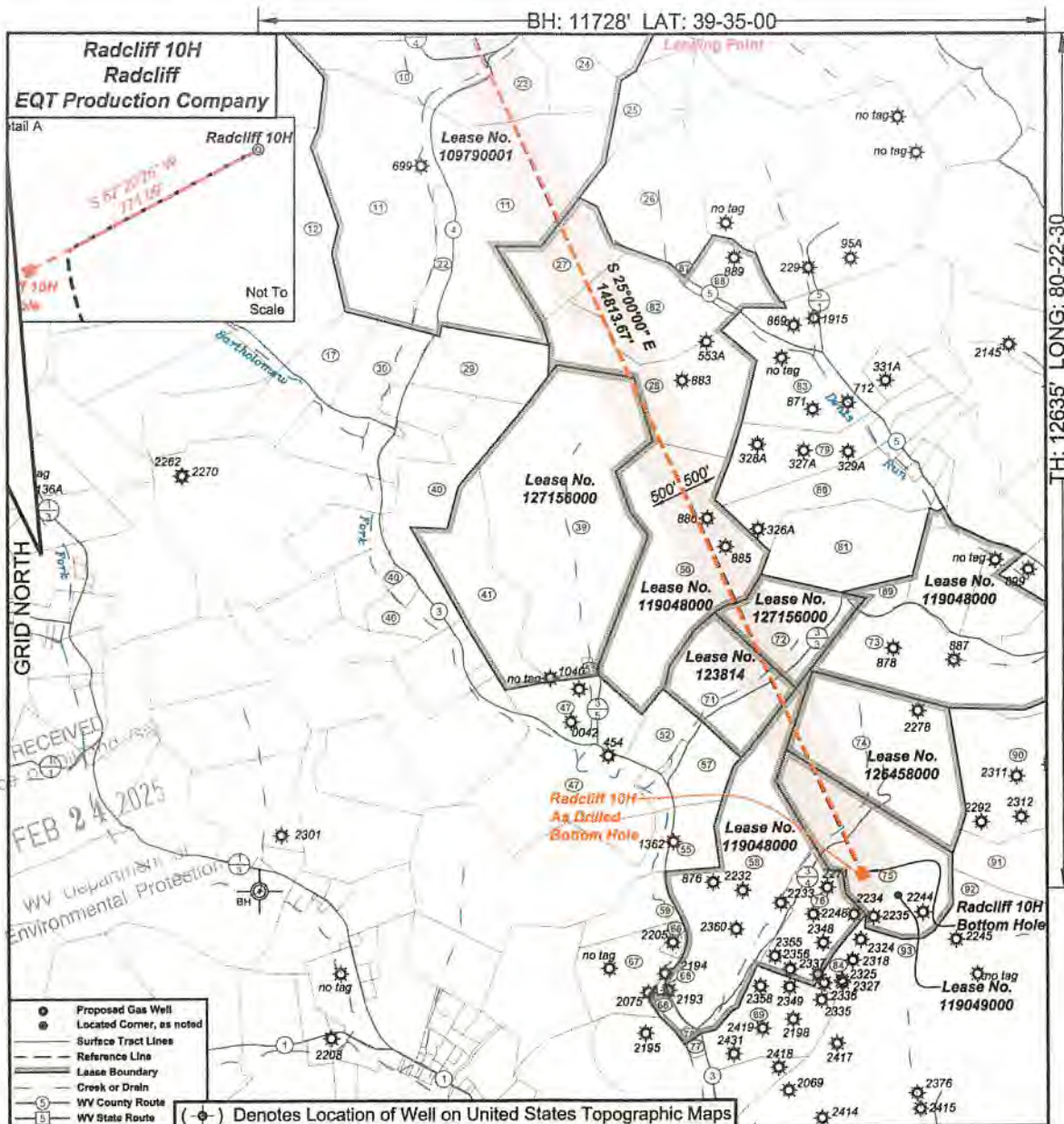
| Well # RADCLIFF 10H Final Formations API# 47-049-02512 |                      |                         |                      |                         |
|--------------------------------------------------------|----------------------|-------------------------|----------------------|-------------------------|
| 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                   | 1,285                | 1,284                   |
| Pittsburgh Coal                                        | 1,285                | 1,284                   | 1,292                | 1,291                   |
| Sand/Shale                                             | 1,292                | 1,291                   | 2,455                | 2,453                   |
| Big Lime                                               | 2,455                | 2,453                   | 2,528                | 2,526                   |
| Big Injun                                              | 2,528                | 2,526                   | 2,656                | 2,654                   |
| Sand/Shale                                             | 2,656                | 2,654                   | 2,771                | 2,769                   |
| Berea                                                  | 2,771                | 2,769                   | 3,346                | 3,341                   |
| Gordon                                                 | 3,346                | 3,341                   | 3,508                | 3,502                   |
| Bayard                                                 | 3,508                | 3,502                   | 5,949                | 5,922                   |
| Alexander                                              | 5,949                | 5,922                   | 6,394                | 6,362                   |
| Elks                                                   | 6,394                | 6,362                   | 7,419                | 7,378                   |
| Sonyea                                                 | 7,419                | 7,378                   | 7,594                | 7,545                   |
| Middlesex                                              | 7,594                | 7,545                   | 7,660                | 7,605                   |
| Genesee                                                | 7,660                | 7,605                   | 7,786                | 7,710                   |
| Geneseo                                                | 7,786                | 7,710                   | 7,827                | 7,741                   |
| Tully                                                  | 7,827                | 7,741                   | 7,876                | 7,775                   |
| Hamilton                                               | 7,876                | 7,775                   | 8,089                | 7,880                   |
| Marcellus                                              | 8,089                | 7,880                   | 23,130               | 7,951                   |

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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 10H  
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: March 18 20 24  
OPERATOR'S WELL NO.: Radcliff 10H  
API WELL NO  
47 - 049 - 02512  
STATE COUNTY PERMIT

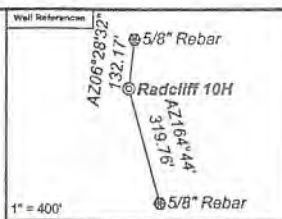
WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL  
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW  
LOCATION: ELEVATION: 1493' WATERSHED Bartholomew Fork QUADRANGLE: Glover Gap  
DISTRICT: Mannington COUNTY: Marion  
SURFACE OWNER: Jackie D. & Sheila L. Radcliff ACREAGE: 48.08  
ROYALTY OWNER: 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

04/11/2025

# Radcliff 10H Radcliff EQT Production Company

| Tract ID | Tract No. | Parcel No. | County | Owner                               | Acres  |
|----------|-----------|------------|--------|-------------------------------------|--------|
| 1        | 40        | 10.1       | Marion | Jackie D. & Sheila L. Radcliff      | 44.09  |
| 2        | 40        | 10         | Marion | Shelly L. Nelson                    | 41.03  |
| 3        | 40        | 11         | Marion | Jason G. & Heather R. Stout         | 99.75  |
| 4        | 40        | 12         | Marion | Lula S. Knight                      | 16.33  |
| 5        | 40        | 13         | Marion | Clarence W. Swenson                 | 3.3    |
| 6        | 40        | 14         | Marion | Jason G. & Heather R. Stout         | 27.55  |
| 7        | 40        | 15         | Marion | Donny L. Nelson                     | 19.75  |
| 8        | 40        | 16         | Marion | Nimrod Cole                         | 62.17  |
| 9        | 40        | 17         | Marion | Sara M. Patisca, et al.             | 26.41  |
| 10       | 40        | 18         | Marion | Coastal Forest Resources Company    | 245.22 |
| 11       | 40        | 19         | Marion | James D. & June Shaver              | 119.25 |
| 12       | 40        | 20         | Marion | Thomas R. & Joann McSorley          | 18.9   |
| 13       | 40        | 21         | Marion | James W. Boone                      | 29.52  |
| 14       | 40        | 22         | Marion | Jason G. & Heather R. Stout         | 25.38  |
| 15       | 40        | 23         | Marion | Thomas G. & Theresa A. Jones        | 10.25  |
| 16       | 40        | 24         | Marion | Thomas G. & Theresa A. Jones        | 61.89  |
| 17       | 40        | 25         | Marion | David Mulford                       | 17.242 |
| 18       | 40        | 26         | Marion | Dennis G. & Louise M. Hayes         | 88.885 |
| 19       | 40        | 27         | Marion | Curry S. & Jennifer L. Allen        | 17.25  |
| 20       | 40        | 28         | Marion | Charles D. & June Shaver            | 57.75  |
| 21       | 40        | 29         | Marion | Thomas E. & Andrea G. Ryan          | 175.15 |
| 22       | 40        | 30         | Marion | John G. & Rita E. Curton            | 64.55  |
| 23       | 40        | 31         | Marion | Thomas E. & Andrea G. Ryan          | 62     |
| 24       | 40        | 32         | Marion | Lara Marie Cain                     | 107.5  |
| 25       | 40        | 33         | Marion | Nita Mikulova                       | 112    |
| 26       | 40        | 34         | Marion | Michael E. & Laura A. Corley        | 1.15   |
| 27       | 40        | 35         | Marion | Christopher L. Friggle et al.       | 75.87  |
| 28       | 40        | 36         | Marion | Justin E. Cain                      | 139.85 |
| 29       | 40        | 37         | Marion | Christina L. Friggle et al.         | 16.56  |
| 30       | 40        | 38         | Marion | Jeffrey H. Michael                  | 165.83 |
| 31       | 40        | 39         | Marion | Justin E. Cain                      | 18     |
| 32       | 40        | 40         | Marion | Curry S. Smigdon                    | 1.81   |
| 33       | 40        | 41         | Marion | Tommy L. & Traci A. Smigdon         | 15.49  |
| 34       | 40        | 42         | Marion | Ronald C. & Betty L. Michael        | 5.17   |
| 35       | 40        | 43         | Marion | Jeffrey H. Michael                  | 86.04  |
| 36       | 40        | 44         | Marion | Nancy M. Rags                       | 52     |
| 37       | 40        | 45         | Marion | John A. Mayhew, Jr.                 | 42     |
| 38       | 40        | 46         | Marion | James D. Allen                      | 122.3  |
| 39       | 40        | 47         | Marion | Christina L. Friggle et al.         | 95     |
| 40       | 40        | 48         | Marion | Jeffrey H. Michael                  | 79     |
| 41       | 40        | 49         | Marion | Jeffrey H. Michael                  | 11.75  |
| 42       | 40        | 50         | Marion | Ronald C. & Betty L. Michael        | 1.46   |
| 43       | 40        | 51         | Marion | Ronald C. & Betty L. Michael        | 2.5    |
| 44       | 40        | 52         | Marion | Dorothy D. Henderson                | 38.246 |
| 45       | 40        | 53         | Marion | William E. Henderson                | 34.702 |
| 46       | 40        | 54         | Marion | Michael B. Julia A. Bille           | 58.67  |
| 47       | 40        | 55         | Marion | Donald E. & Deborah J. McElford     | 34.668 |
| 48       | 40        | 56         | Marion | Dennis G. & Louise M. Hayes         | 59.24  |
| 49       | 40        | 57         | Marion | Harrison County Coal Resources Inc. | 91     |
| 50       | 40        | 58         | Marion | Jason G. & Heather R. Stout         | 48.12  |
| 51       | 40        | 59         | Marion | Lula S. Knight                      | 42.39  |
| 52       | 40        | 60         | Marion | Thomas G. & Theresa A. Jones        | 8.65   |
| 53       | 40        | 61         | Marion | Ronald & Jean Hayes                 | 21.55  |
| 54       | 40        | 62         | Marion | Michael & Julia A. Bille            | 7.65   |
| 55       | 40        | 63         | Marion | Marion County Coal Resources Inc.   | 109.2  |
| 56       | 40        | 64         | Marion | Marion County Coal Resources Inc.   | 107    |
| 57       | 40        | 65         | Marion | Marion County Coal Resources Inc.   | 69.25  |
| 58       | 40        | 66         | Marion | Marshall & Dick Campbell            | 10     |



As Drilled Well Information:  
Radcliff 10H coordinates are  
NAD 83 N: 397,594.74 E: 1,704,145.51  
NAD 83 UTM N: 4,382,161.56 E: 548,250.82  
Radcliff 10H Landing Point coordinates are  
NAD 83 N: 396,474.01 E: 1,703,890.89  
NAD 83 UTM N: 4,381,818.83 E: 546,184.95  
Radcliff 10H Bottom Hole coordinates are  
NAD 83 N: 383,267.94 E: 1,710,046.43  
NAD 83 UTM N: 4,377,826.72 E: 550,127.47  
West Virginia Coordinate system of 1983 (North Zone)  
based upon Differential GPS Measurements.  
Plot 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 @

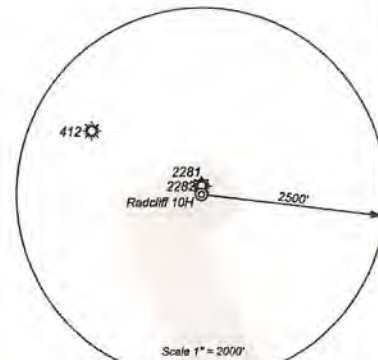
Radcliff 8H @

Radcliff 6H @

Radcliff 4H @

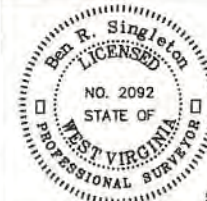
| Lease No. | Owner                                        | Acres     |
|-----------|----------------------------------------------|-----------|
| 109790001 | Rebecca R. Shuttlesworth, et al.             | 1090      |
| 119048000 | Lee and Hall Royalties, et al.               | 809       |
| 127156000 | EQT Production Company, et al.               | 240       |
| 127156000 | EQT Production Company, et al.               | 48,431.25 |
| 123814    | XTO Energy, Inc.                             | 52        |
| 126458000 | Melania Higginbotham Arevalo de Brol, et al. | 95        |
| 119049000 | EQT Production Company                       | 79        |

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*Ben R. Singleton*  
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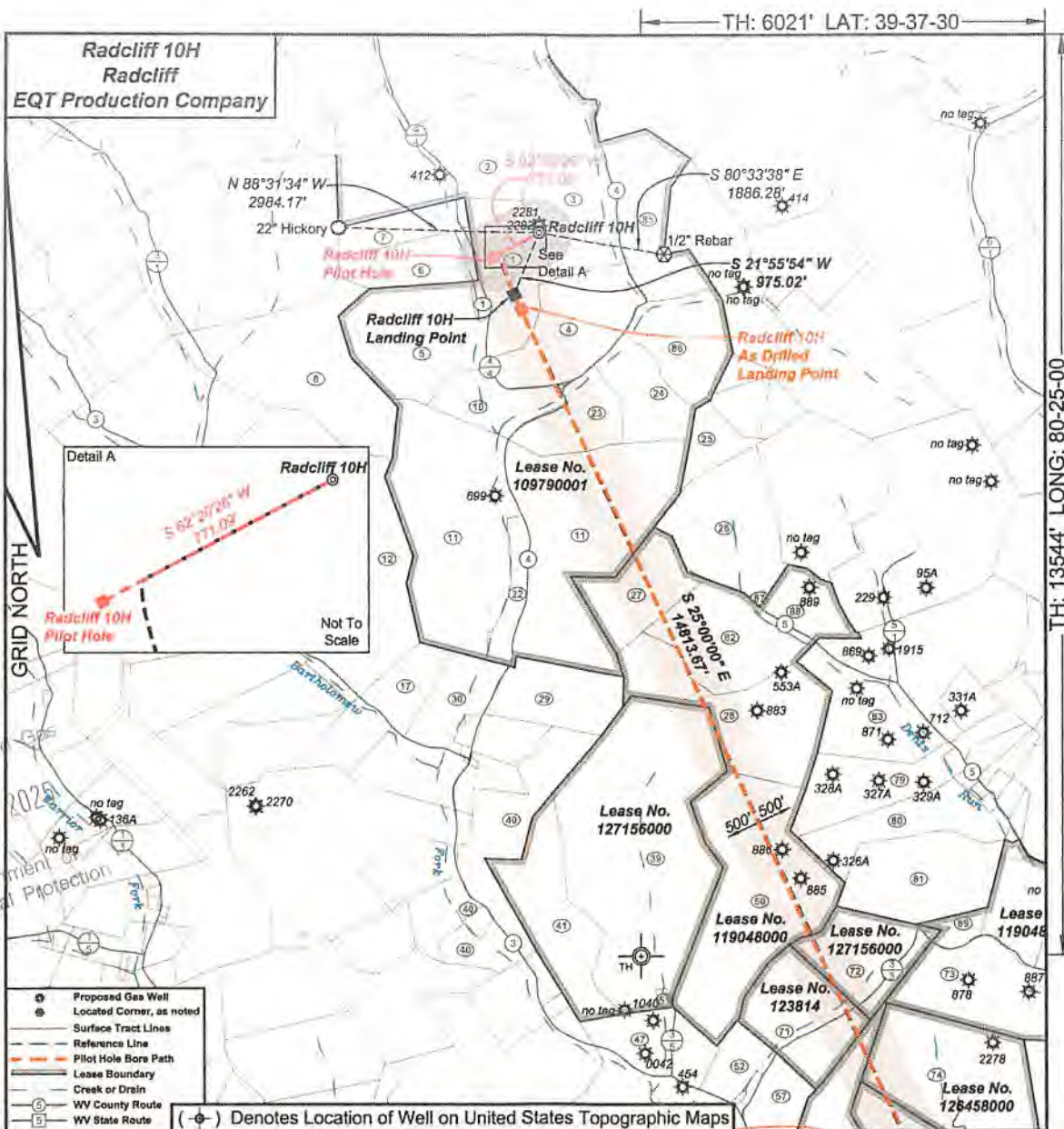
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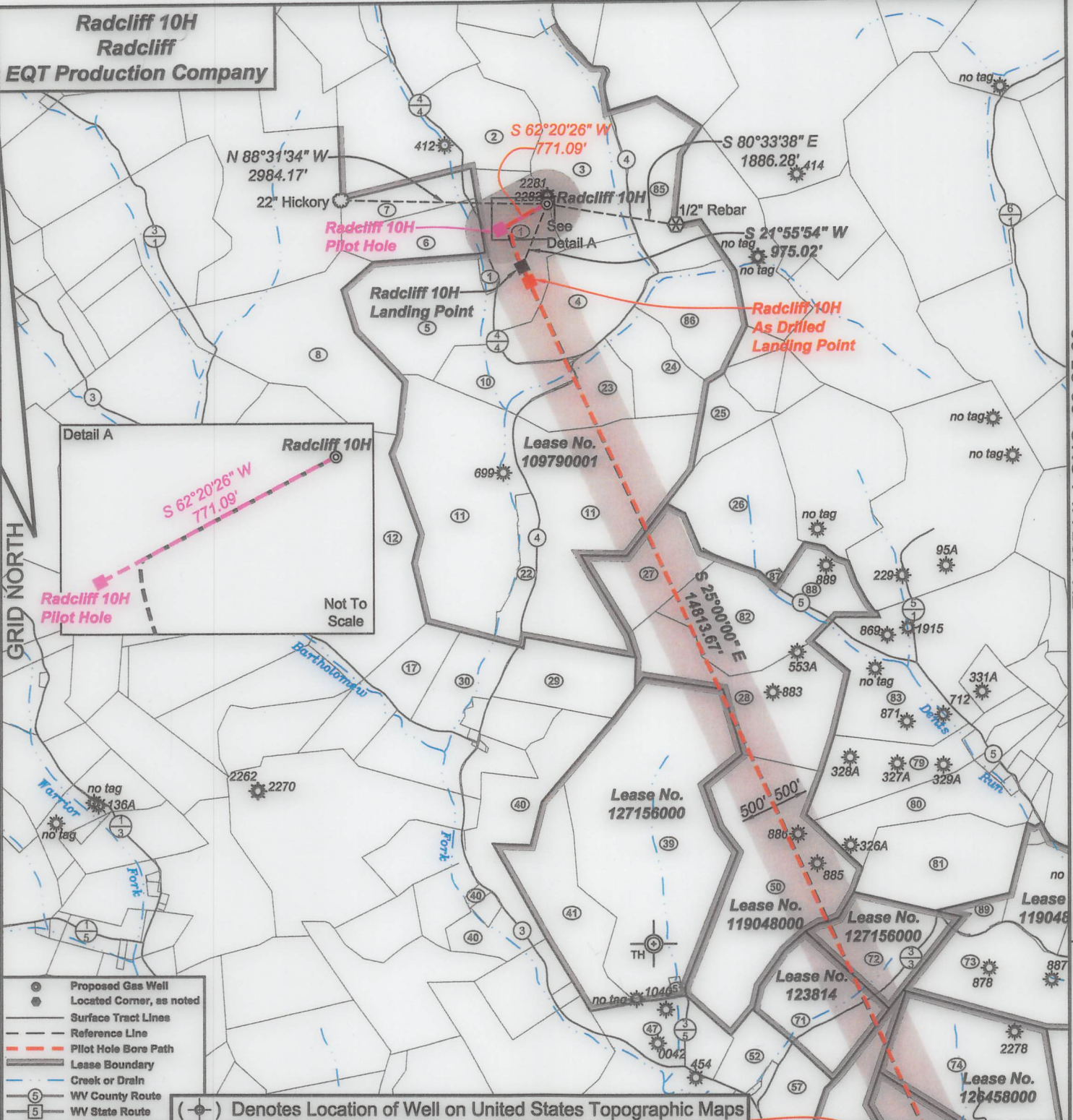
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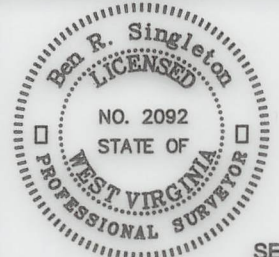
TH: 13544' LONG: 80-25-00

GRID NORTH



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*[Signature]*  
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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) \_\_\_\_\_

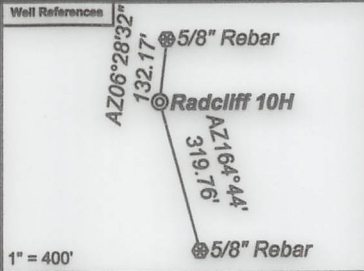
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7916'

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



Radcliff 10H  
Radcliff  
EQT Production Company

| Tract I.D. | Tax Map No. | Parcel No. | County | District   | Surface Tract 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. Swaeney                  | 63      |
| 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                          | 92.12   |
| 10         | 40          | 23         | Marion | Mannington | Sara M. Pascoe, et al.               | 26.41   |
| 11         | 39          | 4          | Marion | Mannington | Coastal Forest Resources Company     | 245.722 |
| 12         | 40          | 22         | Marion | Mannington | James & Natalie Kerns                | 113.25  |
| 17         | 44          | 14         | Marion | Mannington | Charles D. & June Shaver             | 22.7    |
| 22         | 39          | 4.1        | Marion | Mannington | Thomas R. & Joann McSorley           | 14.9    |
| 23         | 40          | 2.2        | Marion | Mannington | James W. Boore                       | 29.52   |
| 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 Maffield                       | 37.292  |
| 28         | 38          | 21         | Marion | Mannington | Dennis G. & Louise M. Hayes          | 74.885  |
| 29         | 38          | 1          | Marion | Mannington | Casey B. & Jennifer J. Allender      | 37.25   |
| 30         | 44          | 11         | Marion | Mannington | Charles D. & June Shaver             | 57.75   |
| 39         | 38          | 10         | Marion | Mannington | Thomas E. & Andrea G. Ryan           | 176.15  |
| 40         | 38          | 8          | Marion | Mannington | John D. & Raji K. Carson             | 64.56   |
| 41         | 38          | 9          | Marion | Mannington | Thomas E. & Andrea G. Ryan           | 62      |
| 47         | 44          | 1          | Marion | Mannington | Edna Marie Cain                      | 107.5   |
| 50         | 38          | 11         | Marion | Mannington | Yulia 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   |
| 55         | 37          | 21         | Marion | Mannington | Justin R. Cain                       | 129.85  |
| 57         | 38          | 13.1       | Marion | Mannington | Christine L. Fragale, et al.         | 16.56   |
| 58         | 37          | 22         | Marion | Mannington | Jeffrey H. Michael                   | 166.83  |
| 59         | 37          | 20         | Marion | Mannington | Justin R. Cain                       | 18      |
| 66         | 37          | 19         | Marion | Mannington | Gary E. Snodgrass                    | 3.61    |
| 67         | 37          | 18         | Marion | Mannington | Tommy L. & Terri A. Snodgrass        | 31.65   |
| 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   |
| 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 D. Atkinson                    | 112.5   |
| 74         | 37          | 23         | Marion | Mannington | Christine L. Fragale, et al.         | 95      |
| 75         | 37          | 24         | Marion | Mannington | Jeffrey H. Michael                   | 79      |
| 76         | 37          | 25         | Marion | Mannington | Jeffrey H. Michael                   | 33.75   |
| 77         | 37          | 17.1       | Marion | Mannington | Ronald C. & Betty L. Michael         | 1.46    |
| 78         | 37          | 22.2       | Marion | Mannington | Ronald C. & Betty L. Michael         | 1.5     |
| 79         | 38          | 19         | Marion | Mannington | Dorothy D. Hendershot                | 38.246  |
| 80         | 38          | 19.4       | Marion | Mannington | William E. Hendershot                | 39.702  |
| 81         | 38          | 15         | Marion | Mannington | Michael & Julia A. Billie            | 58.67   |
| 82         | 38          | 21.2       | Marion | Mannington | Douglas E. & Debora J. Maffield      | 54.669  |
| 83         | 38          | 20         | Marion | Mannington | Dennis G. & Louise M. Hayes          | 59.24   |
| 84         | 37          | 28         | Marion | Mannington | Harrison County Coal Resources Inc.  | 91      |
| 85         | 26          | 16         | Marion | Mannington | Jason G. & Heather R. Stout          | 48.12   |
| 86         | 39          | 2          | Marion | Mannington | Lula B. Knight                       | 43.39   |
| 87         | 39          | 6          | Marion | Mannington | Thomas G. & Theresa A. Jones         | 0.65    |
| 88         | 38          | 21.1       | Marion | Mannington | Ronald & Jean Hayes                  | 21.55   |
| 89         | 38          | 16         | Marion | Mannington | Michael & Julia A. Billie            | 7.65    |
| 90         | 37          | 31         | Marion | Mannington | Marion County Coal Resources Inc.    | 109.2   |
| 91         | 37          | 30         | Marion | Mannington | Marion County Coal Resources Inc.    | 107     |
| 92         | 37          | 29         | Marion | Mannington | Marion County Coal Resources Inc.    | 89.25   |
| 93         | 37          | 28.1       | Marion | Mannington | Marshall & Dick Cartright            | 10      |

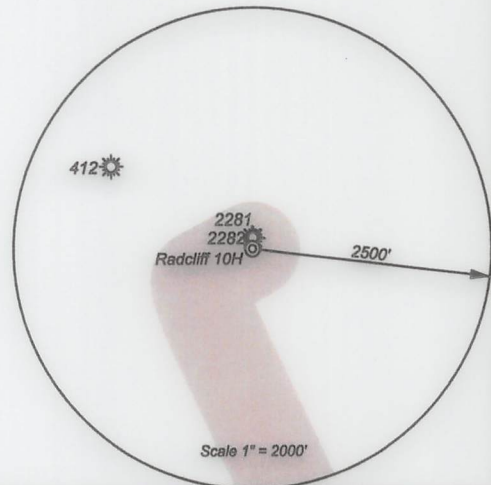


As Drilled Well Information:  
Radcliff 10H coordinates are  
NAD 83 N: 397,594.74 E: 1,704,145.51  
NAD 83 UTM N: 4,382,161.56 E: 548,256.82  
Radcliff 10H Landing Point coordinates are  
NAD 83 N: 396,474.01 E: 1,703,890.89  
NAD 83 UTM N: 4,381,818.83 E: 548,184.95  
Radcliff 10H Bottom Hole coordinates are  
NAD 83 N: 383,267.94 E: 1,710,046.43  
NAD 83 UTM N: 4,377,826.72 E: 550,127.47  
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

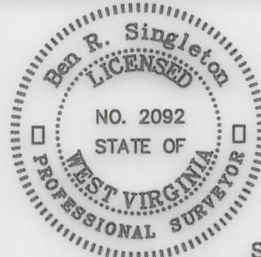
Radcliff 18H ©  
Radcliff 16H ©  
Radcliff 14H ©  
Radcliff 12H ©  
Radcliff 10H ©  
Radcliff 8H ©  
Radcliff 6H ©  
Radcliff 4H ©

| Lease No. | Owner                                        | Acres    |
|-----------|----------------------------------------------|----------|
| 109790001 | Rebecca R. Shuttlesworth, et al.             | 1090     |
| 119048000 | Lee and Hall Royalties, et al.               | 809      |
| 127156000 | EQT Production Company, et al.               | 240      |
| 127156000 | EQT Production Company, et al.               | 48.43125 |
| 123814    | XTO Energy, Inc.                             | 52       |
| 126458000 | Melania Higginbotham Arevalo de Brol, et al. | 95       |
| 119049000 | EQT Production Company                       | 79       |



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 10H  
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: March 18 20 24  
OPERATOR'S WELL NO.: Radcliff 10H  
API WELL NO  
47 - 049 - 02512  
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

04/11/2025

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| Stage No. | Perforation Date | Stage Perforated From TMD Ft. | Stage Perforated To TMD Ft. | # of Perforations/Stage | Formation(s) |
|-----------|------------------|-------------------------------|-----------------------------|-------------------------|--------------|
| 2         | 09/13/2024       | 23021                         | 22838                       | 40                      | Marcellus    |
| 3         | 09/13/2024       | 22819                         | 22637                       | 40                      | Marcellus    |
| 4         | 09/14/2024       | 22618                         | 22435                       | 40                      | Marcellus    |
| 5         | 09/14/2024       | 22416                         | 22234                       | 40                      | Marcellus    |
| 6         | 09/15/2024       | 22215                         | 22032                       | 40                      | Marcellus    |
| 7         | 09/15/2024       | 22013                         | 21831                       | 40                      | Marcellus    |
| 8         | 09/15/2024       | 21812                         | 21629                       | 40                      | Marcellus    |
| 9         | 09/16/2024       | 21610                         | 21428                       | 40                      | Marcellus    |
| 10        | 09/16/2024       | 21409                         | 21226                       | 40                      | Marcellus    |
| 11        | 09/17/2024       | 21207                         | 21025                       | 40                      | Marcellus    |
| 12        | 09/17/2024       | 21006                         | 20823                       | 40                      | Marcellus    |
| 13        | 09/17/2024       | 20804                         | 20622                       | 40                      | Marcellus    |
| 14        | 09/18/2024       | 20603                         | 20420                       | 40                      | Marcellus    |
| 15        | 09/18/2024       | 20401                         | 20219                       | 40                      | Marcellus    |
| 16        | 09/19/2024       | 20200                         | 20017                       | 40                      | Marcellus    |
| 17        | 09/19/2024       | 19998                         | 19816                       | 40                      | Marcellus    |
| 18        | 09/19/2024       | 19797                         | 19614                       | 40                      | Marcellus    |
| 19        | 09/20/2024       | 19595                         | 19413                       | 40                      | Marcellus    |
| 20        | 09/20/2024       | 19394                         | 19211                       | 40                      | Marcellus    |
| 21        | 09/21/2024       | 19192                         | 19010                       | 40                      | Marcellus    |
| 22        | 09/21/2024       | 18991                         | 18808                       | 40                      | Marcellus    |
| 23        | 09/21/2024       | 18789                         | 18607                       | 40                      | Marcellus    |
| 24        | 09/22/2024       | 18588                         | 18405                       | 40                      | Marcellus    |
| 25        | 09/22/2024       | 18386                         | 18204                       | 40                      | Marcellus    |
| 26        | 09/23/2024       | 18185                         | 18002                       | 40                      | Marcellus    |
| 27        | 09/23/2024       | 17983                         | 17801                       | 40                      | Marcellus    |
| 28        | 09/24/2024       | 17782                         | 17599                       | 40                      | Marcellus    |
| 29        | 09/24/2024       | 17580                         | 17398                       | 40                      | Marcellus    |
| 30        | 09/25/2024       | 17379                         | 17196                       | 40                      | Marcellus    |
| 31        | 09/25/2024       | 17177                         | 16995                       | 40                      | Marcellus    |
| 32        | 09/25/2024       | 16976                         | 16793                       | 40                      | Marcellus    |
| 33        | 09/26/2024       | 16774                         | 16592                       | 40                      | Marcellus    |
| 34        | 09/27/2024       | 16573                         | 16390                       | 40                      | Marcellus    |
| 35        | 09/27/2024       | 16371                         | 16189                       | 40                      | Marcellus    |
| 36        | 09/27/2024       | 16170                         | 15987                       | 40                      | Marcellus    |
| 37        | 09/28/2024       | 15968                         | 15786                       | 40                      | Marcellus    |
| 38        | 09/28/2024       | 15767                         | 15584                       | 40                      | Marcellus    |
| 39        | 09/28/2024       | 15565                         | 15383                       | 40                      | Marcellus    |
| 40        | 09/29/2024       | 15364                         | 15181                       | 40                      | Marcellus    |
| 41        | 09/29/2024       | 15162                         | 14980                       | 40                      | Marcellus    |
| 42        | 09/29/2024       | 14961                         | 14778                       | 40                      | Marcellus    |

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|    |            |       |       |    |           |
|----|------------|-------|-------|----|-----------|
| 43 | 09/30/2024 | 14759 | 14577 | 40 | Marcellus |
| 44 | 09/30/2024 | 14558 | 14375 | 40 | Marcellus |
| 45 | 10/01/2024 | 14356 | 14174 | 40 | Marcellus |
| 46 | 10/01/2024 | 14155 | 13972 | 40 | Marcellus |
| 47 | 10/01/2024 | 13953 | 13771 | 40 | Marcellus |
| 48 | 10/02/2024 | 13752 | 13569 | 40 | Marcellus |
| 49 | 10/02/2024 | 13550 | 13368 | 40 | Marcellus |
| 50 | 10/02/2024 | 13349 | 13166 | 40 | Marcellus |
| 51 | 10/03/2024 | 13147 | 12965 | 40 | Marcellus |
| 52 | 10/03/2024 | 12946 | 12763 | 40 | Marcellus |
| 53 | 10/04/2024 | 12744 | 12562 | 40 | Marcellus |
| 54 | 10/04/2024 | 12543 | 12360 | 40 | Marcellus |
| 55 | 10/04/2024 | 12341 | 12159 | 40 | Marcellus |
| 56 | 10/05/2024 | 12140 | 11957 | 40 | Marcellus |
| 57 | 10/05/2024 | 11938 | 11756 | 40 | Marcellus |
| 58 | 10/05/2024 | 11737 | 11554 | 40 | Marcellus |
| 59 | 10/06/2024 | 11535 | 11353 | 40 | Marcellus |
| 60 | 10/06/2024 | 11334 | 11151 | 40 | Marcellus |
| 61 | 10/07/2024 | 11132 | 10950 | 40 | Marcellus |
| 62 | 10/07/2024 | 10931 | 10748 | 40 | Marcellus |
| 63 | 10/07/2024 | 10729 | 10547 | 40 | Marcellus |
| 64 | 10/08/2024 | 10528 | 10345 | 40 | Marcellus |
| 65 | 10/08/2024 | 10326 | 10144 | 40 | Marcellus |
| 66 | 10/09/2024 | 10125 | 9942  | 40 | Marcellus |
| 67 | 10/09/2024 | 9923  | 9741  | 40 | Marcellus |
| 68 | 10/09/2024 | 9722  | 9539  | 40 | Marcellus |
| 69 | 10/10/2024 | 9520  | 9338  | 40 | Marcellus |
| 70 | 10/10/2024 | 9319  | 9136  | 40 | Marcellus |
| 71 | 10/11/2024 | 9117  | 8935  | 40 | Marcellus |
| 72 | 10/11/2024 | 8916  | 8733  | 40 | Marcellus |
| 73 | 10/11/2024 | 8714  | 8532  | 40 | Marcellus |
| 74 | 10/11/2024 | 8513  | 8330  | 40 | Marcellus |
| 75 | 10/12/2024 | 8311  | 8129  | 40 | Marcellus |

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## Stimulation Data

04/11/2025

| 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       | 09/13/2024       | 90                  | 8466                         | 8713                         | 4623       | 176351                   | 4135                   |                                  |
| 2       | 09/13/2024       | 92                  | 8975                         | 7068                         | 4555       | 440698                   | 10401                  |                                  |
| 3       | 09/14/2024       | 100                 | 8852                         | 6016                         | 5151       | 440095                   | 10337                  |                                  |
| 4       | 09/14/2024       | 96                  | 9126                         | 6696                         | 4817       | 442003                   | 10376                  |                                  |
| 5       | 09/15/2024       | 98                  | 9139                         | 6410                         | 5095       | 439995                   | 10357                  |                                  |
| 6       | 09/15/2024       | 99                  | 9099                         | 6316                         | 5496       | 439260                   | 10532                  |                                  |
| 7       | 09/15/2024       | 98                  | 9168                         | 5940                         | 4321       | 440369                   | 10368                  |                                  |
| 8       | 09/16/2024       | 100                 | 9047                         | 5867                         | 5448       | 440829                   | 10346                  |                                  |
| 9       | 09/16/2024       | 99                  | 9037                         | 6553                         | 5514       | 440706                   | 10327                  |                                  |
| 10      | 09/17/2024       | 99                  | 8989                         | 5891                         | 5505       | 440502                   | 10286                  |                                  |
| 11      | 09/17/2024       | 99                  | 9025                         | 6520                         | 5365       | 441787                   | 10391                  |                                  |
| 12      | 09/17/2024       | 100                 | 9094                         | 5853                         | 5412       | 439821                   | 10313                  |                                  |
| 13      | 09/18/2024       | 99                  | 9127                         | 6452                         | 6003       | 439411                   | 10163                  |                                  |
| 14      | 09/18/2024       | 100                 | 8842                         | 6558                         | 5694       | 440326                   | 10290                  |                                  |
| 15      | 09/19/2024       | 100                 | 9065                         | 6028                         | 5463       | 440526                   | 10246                  |                                  |
| 16      | 09/19/2024       | 100                 | 8908                         | 6077                         | 5605       | 442470                   | 10311                  |                                  |
| 17      | 09/20/2024       | 100                 | 9071                         | 5799                         | 5209       | 441766                   | 10285                  |                                  |
| 18      | 09/20/2024       | 99                  | 9077                         | 5867                         | 5003       | 440095                   | 10251                  |                                  |
| 19      | 09/20/2024       | 100                 | 9115                         | 6251                         | 5201       | 440335                   | 10298                  |                                  |
| 20      | 09/21/2024       | 100                 | 9059                         | 5943                         | 5233       | 440006                   | 10302                  |                                  |
| 21      | 09/21/2024       | 97                  | 8917                         | 6462                         | 4981       | 440346                   | 10579                  |                                  |
| 22      | 09/21/2024       | 100                 | 8762                         | 6078                         | 5493       | 440159                   | 10278                  |                                  |
| 23      | 09/22/2024       | 99                  | 8755                         | 5707                         | 5144       | 440071                   | 10229                  |                                  |
| 24      | 09/23/2024       | 98                  | 8849                         | 6057                         | 5179       | 440209                   | 10315                  |                                  |
| 25      | 09/23/2024       | 95                  | 8299                         | 6057                         | 5289       | 440105                   | 10170                  |                                  |
| 26      | 09/24/2024       | 100                 | 8967                         | 5970                         | 5934       | 440289                   | 10261                  |                                  |
| 27      | 09/24/2024       | 100                 | 8830                         | 6029                         | 5105       | 440090                   | 10141                  |                                  |
| 28      | 09/25/2024       | 100                 | 9006                         | 6409                         | 5571       | 440665                   | 10168                  |                                  |
| 29      | 09/25/2024       | 99                  | 8903                         | 6227                         | 5080       | 440219                   | 10160                  |                                  |
| 30      | 09/25/2024       | 100                 | 8677                         | 6083                         | 5288       | 440390                   | 10134                  |                                  |
| 31      | 09/26/2024       | 100                 | 8925                         | 6394                         | 5840       | 440160                   | 10041                  |                                  |
| 32      | 09/26/2024       | 100                 | 8927                         | 6408                         | 6282       | 440087                   | 10009                  |                                  |
| 33      | 09/27/2024       | 100                 | 8797                         | 6341                         | 5888       | 440316                   | 9986                   |                                  |
| 34      | 09/27/2024       | 100                 | 8958                         | 6409                         | 5458       | 440542                   | 10109                  |                                  |
| 35      | 09/28/2024       | 101                 | 9001                         | 6270                         | 5885       | 440105                   | 10141                  |                                  |
| 36      | 09/28/2024       | 101                 | 8883                         | 6501                         | 6319       | 440016                   | 10083                  |                                  |
| 37      | 09/28/2024       | 100                 | 8945                         | 6464                         | 5690       | 442441                   | 10606                  |                                  |
| 38      | 09/28/2024       | 100                 | 8912                         | 6096                         | 5791       | 440078                   | 10109                  |                                  |
| 39      | 09/29/2024       | 100                 | 9005                         | 6670                         | 5134       | 440825                   | 10064                  |                                  |
| 40      | 09/29/2024       | 100                 | 8657                         | 9272                         | 5484       | 441306                   | 10068                  |                                  |
| 41      | 09/30/2024       | 100                 | 8777                         | 6396                         | 6215       | 440108                   | 10622                  |                                  |

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|    |            |     |      |      |      |        |       |
|----|------------|-----|------|------|------|--------|-------|
| 42 | 09/30/2024 | 101 | 8806 | 8823 | 5725 | 441491 | 10050 |
| 43 | 09/30/2024 | 94  | 8469 | 6522 | 5360 | 440235 | 10027 |
| 44 | 10/01/2024 | 100 | 8764 | 6465 | 5665 | 440547 | 10021 |
| 45 | 10/01/2024 | 98  | 8790 | 9036 | 5835 | 441256 | 10035 |
| 46 | 10/02/2024 | 100 | 8672 | 6899 | 6287 | 440982 | 10043 |
| 47 | 10/02/2024 | 100 | 8717 | 7251 | 6074 | 441241 | 10015 |
| 48 | 10/02/2024 | 95  | 8464 | 7090 | 6037 | 439641 | 9986  |
| 49 | 10/03/2024 | 95  | 8231 | 7116 | 5942 | 440075 | 10001 |
| 50 | 10/03/2024 | 93  | 8109 | 8181 | 5849 | 439354 | 10055 |
| 51 | 10/04/2024 | 100 | 8007 | 4964 | 6292 | 439943 | 9949  |
| 52 | 10/04/2024 | 100 | 8363 | 6601 | 5979 | 439948 | 9914  |
| 53 | 10/04/2024 | 100 | 8410 | 6364 | 6406 | 440181 | 10056 |
| 54 | 10/05/2024 | 101 | 8249 | 6030 | 5962 | 440066 | 9935  |
| 55 | 10/05/2024 | 101 | 8177 | 6186 | 6042 | 439838 | 9925  |
| 56 | 10/05/2024 | 100 | 8341 | 6463 | 5430 | 440117 | 9882  |
| 57 | 10/06/2024 | 100 | 8244 | 6299 | 5609 | 440032 | 9924  |
| 58 | 10/06/2024 | 100 | 8376 | 6779 | 6469 | 439970 | 9918  |
| 59 | 10/06/2024 | 100 | 8134 | 9026 | 5920 | 440136 | 9910  |
| 60 | 10/07/2024 | 100 | 7996 | 6247 | 5774 | 440169 | 9881  |
| 61 | 10/07/2024 | 100 | 8006 | 9122 | 5946 | 439942 | 9789  |
| 62 | 10/08/2024 | 100 | 8060 | 6151 | 5802 | 440384 | 9859  |
| 63 | 10/08/2024 | 101 | 8000 | 7032 | 5868 | 440018 | 9897  |
| 64 | 10/08/2024 | 100 | 8076 | 6659 | 5483 | 439618 | 9841  |
| 65 | 10/09/2024 | 99  | 8207 | 6427 | 5180 | 440492 | 11977 |
| 66 | 10/09/2024 | 100 | 8076 | 6192 | 5988 | 440301 | 9850  |
| 67 | 10/10/2024 | 101 | 8006 | 8874 | 5743 | 440066 | 9859  |
| 68 | 10/10/2024 | 100 | 7910 | 6315 | 5786 | 441246 | 9815  |
| 69 | 10/10/2024 | 100 | 8049 | 6518 | 5604 | 440208 | 9782  |
| 70 | 10/11/2024 | 100 | 8009 | 6892 | 5448 | 440156 | 9798  |
| 71 | 10/11/2024 | 100 | 8027 | 6709 | 5236 | 440068 | 9790  |
| 72 | 10/11/2024 | 100 | 7985 | 6543 | 5511 | 440163 | 9753  |
| 73 | 10/12/2024 | 100 | 7983 | 6292 | 5536 | 440718 | 9778  |
| 74 | 10/12/2024 | 100 | 7973 | 6822 | 4914 | 439823 | 9759  |
| 75 | 10/12/2024 | 100 | 7924 | 6718 | 5057 | 440895 | 9501  |

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                 |                    |
|---------------------------------|--------------------|
| Job Start Date:                 | 09/13/2024         |
| Job End Date:                   | 10/12/2024         |
| State:                          | West Virginia      |
| County:                         | Marion             |
| API Number:                     | 47-049-02512-00-00 |
| Operator Name:                  | EQT Production     |
| Well Name and Number:           | Radcliff 10H       |
| Latitude:                       | 39.587819          |
| Longitude:                      | -80.438031         |
| Datum:                          | NAD83              |
| Federal Well:                   | NO                 |
| Indian Well:                    | NO                 |
| True Vertical Depth:            | 7979               |
| Total Base Water Volume (gal)*: | 31632846           |
| 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                                                  | 88.81044                                                   | None     |
| Sand (Proppant)    | EQT        | Proppant           |                                                                       |                                          |                                                            |                                                            |          |
|                    |            |                    | Silica Substrate                                                      | 14808-60-7                               | 100.00000                                                  | 11.02331                                                   | None     |
| StimSTREAM FR 9800 | ChemStream | Friction Reducer   |                                                                       |                                          |                                                            |                                                            |          |
|                    |            |                    | ALKANES, C12-26-BRANCHED AND LINEAR                                   | 90622-53-0                               | 40.00000                                                   | 0.01783                                                    | None     |
| StimSTREAM FR 9800 | ChemStream | Friction Reducer   |                                                                       |                                          |                                                            |                                                            |          |
|                    |            |                    | ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER | 69418-26-4                               | 40.00000                                                   | 0.01783                                                    | None     |
| Clearal 268        | ChemStream | Biocide            |                                                                       |                                          |                                                            |                                                            |          |
|                    |            |                    | Water                                                                 | 7732-18-5                                | 80.00000                                                   | 0.00899                                                    | None     |

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|                               |                    |                     |                                       |             |          |         |      |
|-------------------------------|--------------------|---------------------|---------------------------------------|-------------|----------|---------|------|
| StimSTREAM<br>FR 9800         | ChemStream         | Friction<br>Reducer |                                       |             |          |         |      |
|                               |                    |                     | Water                                 | 7732-18-5   | 15.00000 | 0.00251 | None |
| Enviro-Syn<br>HCR-7000-<br>WL | Fluid USA,<br>Inc. | Synthetic<br>Acid   |                                       |             |          |         |      |
|                               |                    |                     | FLUID-Acid-00001                      | Proprietary | 20.00000 | 0.00126 | None |
| Clearal 268                   | ChemStream         | Biocide             |                                       |             |          |         |      |
|                               |                    |                     | Glutaraldehyde                        | 111-30-8    | 20.00000 | 0.00056 | None |
| Enviro-Syn<br>HCR-7000-<br>WL | Fluid USA,<br>Inc. | Synthetic<br>Acid   |                                       |             |          |         |      |
|                               |                    |                     | FLUID-Amine-00001                     | Proprietary | 10.00000 | 0.00031 | None |
| StimSTREAM<br>FR 9800         | ChemStream         | Friction<br>Reducer |                                       |             |          |         |      |
|                               |                    |                     | ETHOXYLATED<br>ALCOHOLS (C12-16)      | 68551-12-2  | 5.00000  | 0.00028 | None |
| StimSTREAM<br>SC-398          | ChemStream         | Scale<br>Inhibitor  |                                       |             |          |         |      |
|                               |                    |                     | AA/ATBS Co-polymer                    | 9003-05-8   | 5.00000  | 0.00002 | None |
| Clearal 268                   | ChemStream         | Biocide             |                                       |             |          |         |      |
|                               |                    |                     | Quaternary Ammonium<br>Compounds      | 68424-85-1  | 3.00000  | 0.00001 | None |
| Clearal 268                   | ChemStream         | Biocide             |                                       |             |          |         |      |
|                               |                    |                     | Didecyl dimethyl ammonium<br>chloride | 7173-51-5   | 3.00000  | 0.00001 | 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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