

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

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OCT 02 2024

WV Department of  
Environmental Protection

API 47 - 103 - 03504 County Wetzel District Proctor  
Quad Glen Easton 7.5' Pad Name Elmer Field/Pool Name N/A  
Farm name Elnora Tuttle HRS. Well Number Elmer N-16HU (L022048)  
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 4,393,820.90 Easting 522,504.28  
Landing Point of Curve Northing 4,393,639.28 Easting 522,679.23  
Bottom Hole Northing 4,396,490.30 Easting 521,047.58

Elevation (ft) 1277' 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 14.63 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 07/22/2022 Date drilling commenced 08/05/2022 Date drilling ceased 09/10/2023  
Date completion activities began 05/03/2024 Date completion activities ceased 07/03/2024  
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 1003' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1645' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 563', 906', 999' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by: [Signature]  
12/13/2024 11/17/24

API 47-103 - 03504 Farm name Elnora Tuttle HRS. Well number Elmer N-16HU (L022048)

| 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                 | 38"       | 30"         | 120'       | NEW         | A-500 118.65# | N/A                  | Y  |
| Surface                   | 26"       | 20"         | 1105'      | NEW         | J-55 106.5#   | N/A                  | Y  |
| Coal                      |           |             |            |             |               |                      |  |
| Intermediate 1            | 17-1/2"   | 13-3/8"     | 2858'      | NEW         | J-55 54.5#    | N/A                  | N  |
| Intermediate 2            | 12-3/8"   | 9-5/8"      | 10,851'    | NEW         | P-110-IC 47#  | N/A                  | Y  |
| Intermediate 3            |           |             |            |             |               |                      |  |
| Production                | 8-1/2"    | 5-1/2"      | 23,325'    | NEW         | P-110 23#     | N/A                  | N  |
| Tubing                    |           |             |            |             |               |                      |  |
| Packer type and depth set |           |             |            |             |               |                      |  |

Comment Details Intermediate:Ran 1" pipe to 1,012; Pumped 904sks Class A cmt; 1.18yld/15.6ppg. Returned 20bbls.  
Production cmt has calculated TOC of 4670'GL, that 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              | 347               | 15.6            | 1.21                         | 420                       | 0               | 8+        |
| Surface        | CLASS A              | 2000              | 15.6            | 1.18                         | 2360                      | 0               | 8         |
| Coal           |                      |                   |                 |                              |                           |                 |           |
| Intermediate 1 | CLASS A / CLASS A    | 2440 / Grout: 904 | 15.6 / 15.6     | 1.18 / 1.18                  | 2879 / 1066               | 0               | 8         |
| Intermediate 2 | CLASS A              | 4150              | 14.5            | 1.33                         | 5519                      | 0               | 8         |
| Intermediate 3 |                      |                   |                 |                              |                           |                 |           |
| Production     | CLASS A              | 4040              | 16.5            | 1.10                         | 4444                      | 4670'           | 8+        |
| Tubing         |                      |                   |                 |                              |                           |                 |           |

Drillers TD (ft) 23,343' Loggers TD (ft) N/A

Deepest formation penetrated POINT PLEASANT Plug back to (ft) N/A

Plug back procedure 04/14/2023: Pump balanced cement plug. Psi test lines 500 low 2500 psi high. Pump 75 bbls 15.5#, 1.41yld, 7.28 g/sk tuned spacer followed by 126 bbls (753 sks) 17.5#, 0.944 yld, 3.45 g/sk cement followed by 11 bbls 15.5# tuned spacer.

Kick off depth (ft) 3,167'

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature

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 AND EVERY OTHER JOINT TO 62'

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 \_\_\_\_\_

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API 47- 103 - 03504 Farm name Elnora Tuttle HRS. Well number Elmer N-16HU (L022048)

Drilling Contractor Falcon (Rig 29)  
Address 1120 US-119 City Indiana State PA Zip 15701

Logging Company Nzone Guidance, LLC  
Address 140 Falcon Lane City Liberty Hill State TX Zip 78642

Logging Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

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# Perforation Data

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| Stage No. | Perforation Date | Stage Perforated From TMD Ft. | Stage Perforated To TMD Ft. | # of Perforations/Stage | Formation(s) |
|-----------|------------------|-------------------------------|-----------------------------|-------------------------|--------------|
| 2         | 05/03/2024       | 22940                         | 22767                       | 48                      | Utica        |
| 3         | 05/04/2024       | 22743                         | 22570                       | 48                      | Utica        |
| 4         | 05/04/2024       | 22546                         | 22372                       | 48                      | Utica        |
| 5         | 05/05/2024       | 22349                         | 22175                       | 48                      | Utica        |
| 6         | 05/05/2024       | 22152                         | 21978                       | 48                      | Utica        |
| 7         | 05/06/2024       | 21954                         | 21781                       | 48                      | Utica        |
| 8         | 05/06/2024       | 21757                         | 21584                       | 48                      | Utica        |
| 9         | 05/07/2024       | 21560                         | 21386                       | 48                      | Utica        |
| 10        | 05/07/2024       | 21363                         | 21189                       | 48                      | Utica        |
| 11        | 05/08/2024       | 21166                         | 20992                       | 48                      | Utica        |
| 12        | 05/09/2024       | 20968                         | 20795                       | 48                      | Utica        |
| 13        | 05/10/2024       | 20771                         | 20598                       | 48                      | Utica        |
| 14        | 05/10/2024       | 20574                         | 20400                       | 48                      | Utica        |
| 15        | 05/10/2024       | 20377                         | 20203                       | 48                      | Utica        |
| 16        | 05/10/2024       | 20180                         | 20006                       | 48                      | Utica        |
| 17        | 05/11/2024       | 19982                         | 19809                       | 48                      | Utica        |
| 18        | 05/11/2024       | 19785                         | 19612                       | 48                      | Utica        |
| 19        | 05/11/2024       | 19588                         | 19414                       | 48                      | Utica        |
| 20        | 05/12/2024       | 19391                         | 19217                       | 48                      | Utica        |
| 21        | 05/12/2024       | 19194                         | 19020                       | 48                      | Utica        |
| 22        | 05/12/2024       | 18996                         | 18823                       | 48                      | Utica        |
| 23        | 05/13/2024       | 18799                         | 18626                       | 48                      | Utica        |
| 24        | 05/13/2024       | 18602                         | 18428                       | 48                      | Utica        |
| 25        | 05/13/2024       | 18405                         | 18231                       | 48                      | Utica        |
| 26        | 05/14/2024       | 18208                         | 18034                       | 48                      | Utica        |
| 27        | 05/15/2024       | 18010                         | 17837                       | 48                      | Utica        |
| 28        | 05/18/2024       | 17813                         | 17640                       | 48                      | Utica        |
| 29        | 05/19/2024       | 17616                         | 17442                       | 48                      | Utica        |
| 30        | 05/19/2024       | 17419                         | 17245                       | 48                      | Utica        |
| 31        | 05/20/2024       | 17222                         | 17048                       | 48                      | Utica        |
| 32        | 05/21/2024       | 17024                         | 16851                       | 48                      | Utica        |
| 33        | 05/21/2024       | 16827                         | 16654                       | 48                      | Utica        |
| 34        | 05/22/2024       | 16630                         | 16456                       | 48                      | Utica        |
| 35        | 05/22/2024       | 16433                         | 16259                       | 48                      | Utica        |
| 36        | 05/23/2024       | 16236                         | 16062                       | 48                      | Utica        |
| 37        | 05/23/2024       | 16038                         | 15865                       | 48                      | Utica        |
| 38        | 05/23/2024       | 15841                         | 15668                       | 48                      | Utica        |
| 39        | 05/24/2024       | 15644                         | 15470                       | 48                      | Utica        |
| 40        | 05/25/2024       | 15447                         | 15273                       | 48                      | Utica        |
| 41        | 05/26/2024       | 15250                         | 15076                       | 48                      | Utica        |
| 42        | 05/29/2024       | 15052                         | 14879                       | 48                      | Utica        |
| 43        | 05/30/2024       | 14855                         | 14682                       | 48                      | Utica        |

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|    |            |       |       |    |       |
|----|------------|-------|-------|----|-------|
| 44 | 05/31/2024 | 14658 | 14484 | 48 | Utica |
| 45 | 06/01/2024 | 14461 | 14287 | 48 | Utica |
| 46 | 06/02/2024 | 14264 | 14090 | 48 | Utica |
| 47 | 06/02/2024 | 14066 | 13893 | 48 | Utica |
| 48 | 06/03/2024 | 13869 | 13696 | 48 | Utica |
| 49 | 06/04/2024 | 13672 | 13498 | 48 | Utica |
| 50 | 06/05/2024 | 13475 | 13301 | 48 | Utica |
| 51 | 06/05/2024 | 13278 | 13104 | 48 | Utica |
| 52 | 06/07/2024 | 13080 | 12907 | 48 | Utica |
| 53 | 06/07/2024 | 12883 | 12710 | 48 | Utica |
| 54 | 06/08/2024 | 12686 | 12512 | 48 | Utica |
| 55 | 06/09/2024 | 12489 | 12340 | 42 | Utica |

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# Stimulation Data

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12/13/2024

| 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       | 05/03/2024       | 87                  | 11431                        | 10441                        | 7509       | 249772                   | 5032.000               |                                  |
| 2       | 05/04/2024       | 94                  | 11444                        | 9706                         | 8069       | 500046                   | 9869.000               |                                  |
| 3       | 05/04/2024       | 98                  | 11484                        | 9083                         | 8252       | 500439                   | 9939.000               |                                  |
| 4       | 05/05/2024       | 96                  | 11494                        | 8560                         | 8199       | 500558                   | 10431.000              |                                  |
| 5       | 05/05/2024       | 98                  | 11511                        | 8982                         | 8184       | 501533                   | 9852.000               |                                  |
| 6       | 05/06/2024       | 97                  | 11420                        | 9044                         | 8367       | 500869                   | 10212.000              |                                  |
| 7       | 05/07/2024       | 100                 | 11500                        | 10355                        | 8395       | 500803                   | 9838.000               |                                  |
| 8       | 05/07/2024       | 98                  | 11487                        | 7747                         | 8482       | 500800                   | 10386.000              |                                  |
| 9       | 05/08/2024       | 98                  | 11462                        | 10442                        | 8445       | 500734                   | 9793.000               |                                  |
| 10      | 05/09/2024       | 100                 | 11345                        | 10607                        | 8344       | 500685                   | 9862.000               |                                  |
| 11      | 05/09/2024       | 100                 | 11571                        | 8661                         | 8493       | 500550                   | 10433.000              |                                  |
| 12      | 05/10/2024       | 100                 | 11478                        | 11676                        | 8374       | 501028                   | 9744.000               |                                  |
| 13      | 05/10/2024       | 100                 | 11437                        | 9404                         | 8327       | 500488                   | 10098.000              |                                  |
| 14      | 05/10/2024       | 100                 | 11262                        | 8871                         | 8148       | 500469                   | 9725.000               |                                  |
| 15      | 05/11/2024       | 100                 | 11198                        | 9100                         | 8520       | 500829                   | 9741.000               |                                  |
| 16      | 05/11/2024       | 100                 | 11284                        | 9025                         | 8496       | 500595                   | 10096.000              |                                  |
| 17      | 05/11/2024       | 100                 | 11414                        | 9242                         | 8343       | 500349                   | 10093.000              |                                  |
| 18      | 05/12/2024       | 100                 | 11220                        | 9398                         | 8056       | 500783                   | 9718.000               |                                  |
| 19      | 05/12/2024       | 95                  | 11141                        | 9435                         | 8382       | 499917                   | 10025.000              |                                  |
| 20      | 05/12/2024       | 100                 | 11402                        | 10352                        | 8555       | 500459                   | 10067.000              |                                  |
| 21      | 05/13/2024       | 100                 | 11280                        | 9902                         | 8540       | 500650                   | 9688.000               |                                  |
| 22      | 05/13/2024       | 100                 | 11219                        | 10226                        | 8258       | 500269                   | 9862.000               |                                  |
| 23      | 05/13/2024       | 100                 | 11324                        | 7414                         | 8488       | 500355                   | 10291.000              |                                  |
| 24      | 05/13/2024       | 99                  | 11077                        | 8314                         | 8231       | 500470                   | 9728.000               |                                  |
| 25      | 05/14/2024       | 100                 | 11329                        | 8267                         | 8576       | 500512                   | 10146.000              |                                  |
| 26      | 05/16/2024       | 86                  | 11063                        | 11133                        | 8555       | 500437                   | 11724.000              |                                  |
| 27      | 05/18/2024       | 99                  | 11646                        | 11451                        | 8882       | 500366                   | 9695.000               |                                  |
| 28      | 05/19/2024       | 100                 | 11369                        | 10394                        | 8835       | 500220                   | 9623.000               |                                  |
| 29      | 05/19/2024       | 97                  | 11239                        | 8650                         | 8004       | 500049                   | 9652.000               |                                  |
| 30      | 05/20/2024       | 96                  | 11501                        | 9857                         | 8677       | 500512                   | 9416.000               |                                  |
| 31      | 05/21/2024       | 86                  | 11324                        | 9421                         | 8877       | 501596                   | 9709.000               |                                  |
| 32      | 05/21/2024       | 87                  | 11535                        | 8916                         | 8482       | 500531                   | 9687.000               |                                  |
| 33      | 05/22/2024       | 86                  | 11742                        | 10785                        | 8920       | 500208                   | 9702.000               |                                  |
| 34      | 05/22/2024       | 91                  | 11579                        | 10669                        | 8606       | 500391                   | 10038.000              |                                  |
| 35      | 05/22/2024       | 91                  | 11534                        | 10154                        | 8999       | 500177                   | 10046.000              |                                  |
| 36      | 05/23/2024       | 88                  | 11599                        | 10056                        | 8266       | 500079                   | 9493.744               |                                  |
| 37      | 05/23/2024       | 95                  | 11599                        | 10412                        | 8680       | 500322                   | 9712.000               |                                  |
| 38      | 05/24/2024       | 94                  | 11637                        | 8933                         | 8713       | 500480                   | 9662.000               |                                  |
| 39      | 05/24/2024       | 92                  | 11628                        | 8676                         | 8936       | 500094                   | 9587.000               |                                  |
| 40      | 05/26/2024       | 91                  | 11583                        | 10496                        | 8408       | 500723                   | 9692.000               |                                  |
| 41      | 05/30/2024       | 88                  | 11664                        | 8498                         | 8480       | 500412                   | 9595.000               |                                  |
| 42      | 05/31/2024       | 90                  | 11498                        | 10243                        | 8275       | 500537                   | 9625.000               |                                  |

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| 43 | 05/31/2024 | 89 | 11399 | 11127 | 9061 | 499959 | 9614.000  |
| 44 | 05/30/2024 | 91 | 11735 | 8416  | 8519 | 499966 | 9407.000  |
| 45 | 06/02/2024 | 90 | 11375 | 9244  | 8607 | 500141 | 9601.000  |
| 46 | 06/02/2024 | 95 | 11590 | 8631  | 8885 | 500311 | 9506.000  |
| 47 | 06/03/2024 | 93 | 11554 | 12008 | 8926 | 499194 | 9616.000  |
| 48 | 06/04/2024 | 93 | 11492 | 11459 | 8714 | 500238 | 9506.000  |
| 49 | 06/05/2024 | 94 | 11477 | 8340  | 9104 | 500075 | 9533.000  |
| 50 | 06/06/2024 | 94 | 11383 | 10062 | 8925 | 500211 | 9476.000  |
| 51 | 06/07/2024 | 93 | 11208 | 9359  | 9457 | 500074 | 12521.000 |
| 52 | 06/07/2024 | 91 | 11490 | 11484 | 8517 | 500167 | 9514.000  |
| 53 | 06/08/2024 | 93 | 11529 | 11641 | 8923 | 500496 | 9532.000  |
| 54 | 06/09/2024 | 93 | 11454 | 10720 | 8840 | 500324 | 9502.000  |
| 55 | 06/09/2024 | 95 | 11337 | 10209 | 8546 | 437867 | 8296.000  |

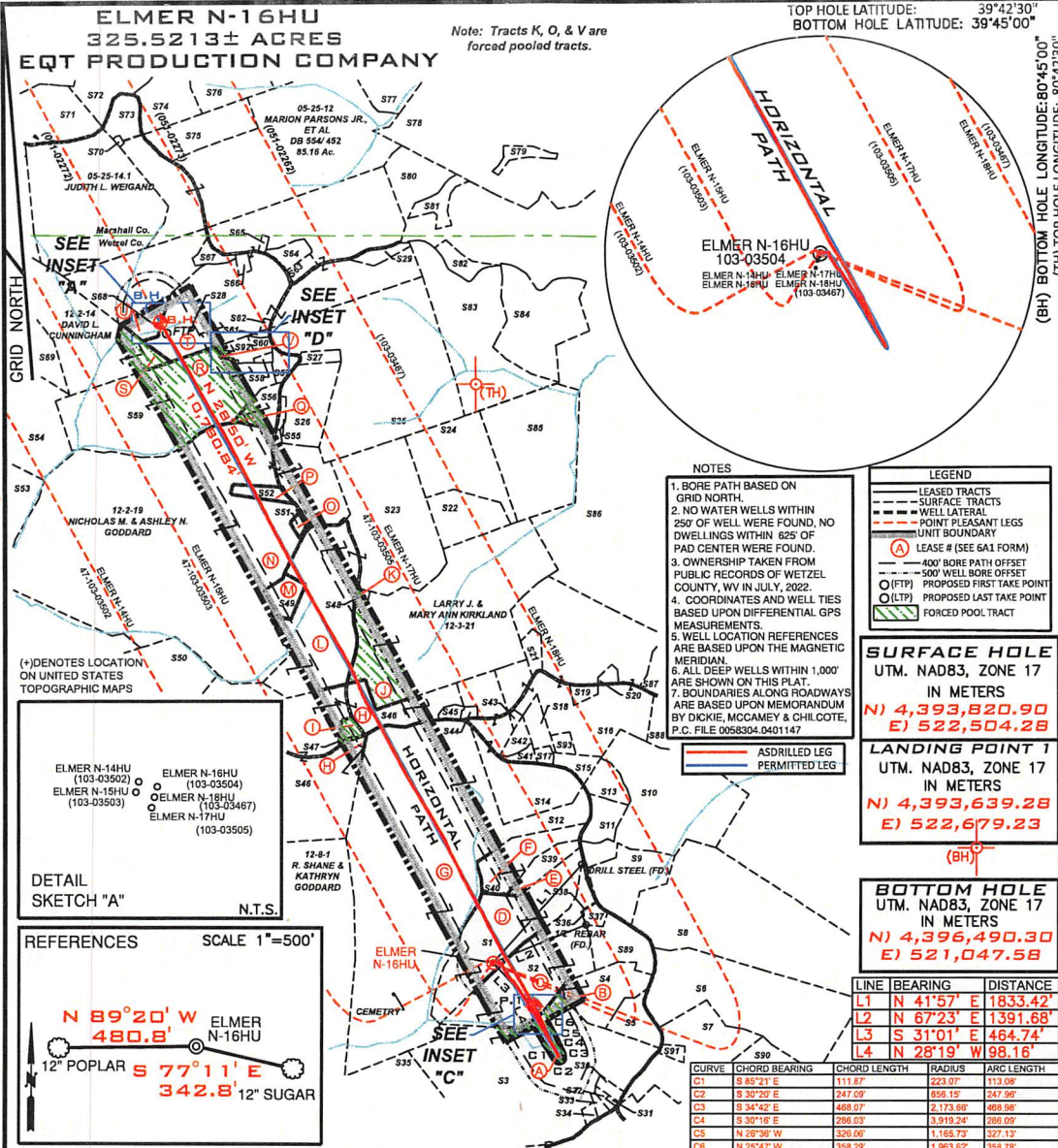
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12/13/2024

## Well # ELMER N-16HU (L022048) Final Formations API# 47-103-03504

| Formation Name  | Drill Top MD (ftGRD) | Drill Top (TVD) (ftGRD) | Drill Btm MD (ftGRD) | Drill Btm (TVD) (ftGRD) |
|-----------------|----------------------|-------------------------|----------------------|-------------------------|
| Sand/Shale      | 1                    | 1                       | 564                  | 563                     |
| Washington Coal | 564                  | 563                     | 566                  | 565                     |
| Sand/Shale      | 566                  | 565                     | 907                  | 906                     |
| Sewickley Coal  | 907                  | 906                     | 910                  | 909                     |
| Sand/Shale      | 910                  | 909                     | 1,000                | 999                     |
| Pittsburgh Coal | 1,000                | 999                     | 1,004                | 1,003                   |
| Sand/Shale      | 1,004                | 1,003                   | 2,343                | 2,342                   |
| Big Lime        | 2,343                | 2,342                   | 2,474                | 2,473                   |
| Big Injun       | 2,474                | 2,473                   | 2,620                | 2,619                   |
| Sand/Shale      | 2,620                | 2,619                   | 2,788                | 2,787                   |
| Weir            | 2,788                | 2,787                   | 2,976                | 2,975                   |
| Sand/Shale      | 2,976                | 2,975                   | 3,178                | 3,177                   |
| Gordon          | 3,178                | 3,177                   | 3,309                | 3,308                   |
| Sand/Shale      | 3,309                | 3,308                   | 5,632                | 5,627                   |
| Alexander       | 5,632                | 5,627                   | 6,224                | 6,219                   |
| Rhinestreet     | 6,224                | 6,219                   | 6,651                | 6,646                   |
| Middlesex       | 6,651                | 6,646                   | 6,706                | 6,701                   |
| Sand/Shale      | 6,706                | 6,701                   | 6,726                | 6,721                   |
| Geneseo         | 6,726                | 6,721                   | 6,753                | 6,747                   |
| Tully           | 6,753                | 6,747                   | 6,787                | 6,781                   |
| Hamilton        | 6,787                | 6,781                   | 6,831                | 6,825                   |
| Marcellus       | 6,831                | 6,825                   | 6,883                | 6,877                   |
| Onondaga        | 6,883                | 6,877                   | 7,114                | 7,108                   |
| Oriskany        | 7,114                | 7,108                   | 7,221                | 7,215                   |
| Helderberg      | 7,221                | 7,215                   | 7,585                | 7,577                   |
| Sand/Shale      | 7,585                | 7,577                   | 7,565                | 7,558                   |
| Salina          | 7,565                | 7,558                   | 8,412                | 8,377                   |
| Sand/Shale      | 8,412                | 8,377                   | 8,645                | 8,603                   |
| Lockport        | 8,645                | 8,603                   | 9,001                | 8,935                   |
| Rose Hill       | 9,001                | 8,935                   | 9,277                | 9,182                   |
| Packer Shell    | 9,277                | 9,182                   | 9,479                | 9,355                   |
| Clinton         | 9,479                | 9,355                   | 9,585                | 9,442                   |
| Queenston       | 9,585                | 9,442                   | 10,362               | 10,074                  |
| Sand/Shale      | 10,362               | 10,074                  | 10,364               | 10,076                  |
| Reedsville      | 10,364               | 10,076                  | 11,827               | 11,423                  |
| Utica           | 11,827               | 11,423                  | 12,255               | 11,678                  |
| Point Pleasant  | 12,255               | 11,678                  | 23,343               | 11,734                  |

12/13/2024



Note: Tracts K, O, & V are forced pooled tracts.

TOP HOLE LATITUDE: 39°42'30"  
BOTTOM HOLE LATITUDE: 39°45'00"

- NOTES
- BORE PATH BASED ON GRID NORTH.
  - NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
  - OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN JULY, 2022.
  - COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
  - WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
  - ALL DEEP WELLS WITHIN 1,000' ARE SHOWN ON THIS PLAT.
  - BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147

LEGEND

- LEASED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- LEASE # (SEE GA1 FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (F) PROPOSED FIRST TAKE POINT
- (L) PROPOSED LAST TAKE POINT
- FORCED POOL TRACT

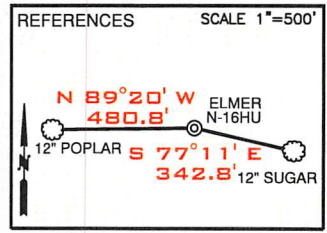
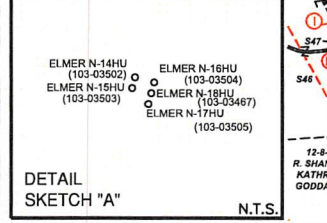
**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,393,820.98  
E) 522,504.28

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,393,639.28  
E) 522,679.23

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,396,490.30  
E) 521,047.58

| LINE | BEARING    | DISTANCE |
|------|------------|----------|
| L1   | N 41°57' E | 1833.42' |
| L2   | N 67°23' E | 1391.68' |
| L3   | S 31°01' E | 464.74'  |
| L4   | N 28°19' W | 98.16'   |

| CURVE | CHORD BEARING | CHORD LENGTH | RADIUS    | ARC LENGTH |
|-------|---------------|--------------|-----------|------------|
| C1    | S 85°21' E    | 111.87'      | 223.07'   | 113.08'    |
| C2    | S 30°20' E    | 247.09'      | 856.19'   | 247.99'    |
| C3    | S 34°42' E    | 468.07'      | 2,173.69' | 468.98'    |
| C4    | S 30°18' E    | 296.03'      | 3,919.24' | 286.09'    |
| C5    | N 28°36' W    | 326.06'      | 1,165.73' | 327.13'    |
| C6    | N 25°47' W    | 358.29'      | 1,953.62' | 358.76'    |



FILE NUMBER \_\_\_\_\_  
DRAWING NUMBER ELMER\_N-16HU\_REV1  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING  
GRADE GPS

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

*David L Jackson*



JACKSON SURVEYING INC.  
P.O. Box 1460  
Clarksburg, WV 26302  
304-623-5851

WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET, SE  
CHARLESTON, WV 25304

DATE: OCTOBER 18, 2023

OPERATORS WELL NO. ELMER N-16HU

API WELL NO. 47-103-03504  
STATE COUNTY PERMIT

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

LOCATION ELEVATION 1276.50' WATERSHED (HUC 10) PROCTOR CREEK OF FRENCH CREEK - OHIO RIVER (HUC-10)  
DISTRICT PROCTOR COUNTY WETZEL  
QUADRANGLE WILEYVILLE 7.5' LEASE NUMBER SEE WW-6A1 FORM

SURFACE OWNER ELNORA TUTTLE HRS. ACREAGE 39.19  
OIL & GAS ROYALTY OWNER HENRY & NANCY GARNER - SEE WW-6A1 LEASE ACREAGE 39.19  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION   
PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE (SPECIFY) As Drilled  
PLUG & ABANDON  CLEAN OUT & REPLUG

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,767' TMD: 23,376'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JOSEPH C. MALLOW  
ADDRESS 400 WOODCLIFF DRIVE CANONSBURG, PA 15317 ADDRESS 427 MIDSTATE DRIVE CLARKSBURG, WV 25301

12/13/2024

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OCT 02 2024  
WV Department of  
Environmental Protection



form wwg

**ELMER N-16HU**  
**325.5213± ACRES**  
**EQT PRODUCTION COMPANY**

\* FORCED POOLED TRACTS ARE HIGHLIGHTED

| Tags | Number | Tax Map - Parcel | Surface Owner  | Acres   |
|------|--------|------------------|--|---------|
| D    | S1     | 12-8-15          | ELNORA TUTTLE HRS.   | 39.19   |
| C    | S2     | 12-8-16          | CHARLES & BETTY HUGGINS  | 39.13   |
| A    | S3     | 12-8-20          | NANCY D. TRUEX   | 95.35   |
| B    | S4     | 12-8-21.1        | LINDA M. STOUT   | 15.26   |
|      | S5     | 12-8-22.1        | BARRY C. KIRKLAND  | 7.401   |
|      | S6     | 12-8-23          | JACOB WOODROW & MARY JOSEPHINE NICE  | 59      |
|      | S7     | 12-8-32          | DAVID TODD & CINDY L. BATES & CHARLES M. THOMAS                                      | 27.287  |
|      | S8     | 12-8-17          | JACOB WOODROW & MARY JOSEPHINE NICE  | 85.69   |
|      | S9     | 12-8-4           | JACOB WOODROW & MARY JOSEPHINE NICE  | 20.893  |
|      | S10    | 12-8-4.5         | JACOB WOODROW & MARY JOSEPHINE NICE  | 51.107  |
|      | S11    | 12-8-4.1         | JACOB WOODROW & MARY JOSEPHINE NICE  | 6.171   |
| G    | S12    | 12-8-2           | R. SHANE & KATHRYN GODDARD   | 178     |
|      | S13    | 12-8-4.3         | BRADY G. & SHARON L. HOWELL  | 5.59    |
|      | S14    | 12-8-3           | R. SHANE & KATHRYN GODDARD   | 31.13   |
|      | S15    | 12-3-31          | DOUGLAS & SUZANNE ESTEP  | 3.25    |
|      | S16    | 12-3-30.4        | FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP- L/E) | 81.82   |
|      | S17    | 12-3-39.1        | WILLIAM NICE   | 1.31    |
|      | S18    | 12-3-39          | FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP- L/E) | 4.69    |
|      | S19    | 12-3-30.2        | APRIL ROSE & DONALD ALLEN POSTLETHWAIT   | 1.67    |
|      | S20    | 12-3-30          | MARY ROSE YOHO - L/E, APRIL ROSE POSTLETHWAIT  | 0.48    |
|      | S21    | 12-3-29          | FRIEND V. ESTEP (RAYMOND F. ESTEP- L/E)  | 2.9     |
|      | S22    | 12-3-14.1        | MATTHEW D. HALL  | 13      |
| L    | S23    | 12-3-13          | LARRY J. & MARY ANN KIRKLAND   | 95      |
|      | S24    | 12-3-14          | ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER                                | 27      |
|      | S25    | 12-3-4           | MARY HOHMAN ET AL  | 85      |
|      | S26    | 12-3-3.1         | DIANA & ROBERT L. SMITH  | 15.78   |
|      | S27    | 12-3-02          | ROBERT LEE & DIANA G. SMITH  | 2.48    |
| T    | S28    | 5-2-11.2         | JAMES W. KLUG  | 110.491 |
|      | S29    | 12-3-42          | J. M. KLUG   | 2.617   |
|      | S30    | 12-8-20.1        | PAUL J. BLAKE  | 1.5     |
|      | S31    | 12-8-20.3        | PAUL J. BLAKE  | 0.25    |
|      | S32    | 12-8-20.9        | JOSHUA M. & COURTNEY R. NEFF   | 0.4     |
|      | S33    | 12-8-20.8        | JOSHUA M. & COURTNEY R. NEFF   | 0.99    |
|      | S34    | 12-8-20.6        | JOHN G. & DEBRA D. THROCKMORTON  | 1.046   |
|      | S35    | 12-8-20.5        | JOE B. MILLER & GERALD & SUE YEATER  | 44.85   |
|      | S36    | 12-8-4.4         | CHARLES & BETTY HUGGINS  | 0.69    |
|      | S37    | 12-8-4.2         | BRENT A. & KIMBERLY J. EDDY  | 1.861   |
|      | S38    | 12-8-16.1        | BRENT A. & KIMBERLY J. EDDY  | 0.06    |
| E    | S39    | 12-8-14          | EDWARD C. & SANDRA K. MURRINER   | 5.33    |
| F    | S40    | 12-8-13          | EDWARD C. & SANDRA K. MURRINER   | 15      |
|      | S41    | 12-3-32.1        | TIMOTHY L. & LEA ANN SUMMERS   | 1.78    |
|      | S42    | 12-3-32          | TIMOTHY L. SUMMERS   | 2.32    |
|      | S43    | 12-3-30.3        | TIMOTHY L. SUMMERS   | 0.61    |
|      | S44    | 12-3-45          | ANTIOCH CHURCH   | 0.774   |
|      | S45    | 12-3-28          | ANTIOCH CHURCH   | 1       |
| H    | S46    | 12-8-1.1         | R. SHANE & KATHRYN GODDARD   | 92.69   |
| I    | S47    | 12-8-1.2         | JOSH GODDARD   | 1.81    |
| K    | S48    | 12-3-21.1        | LARRY J. & MARY ANN KIRKLAND   | 0.47    |
| M    | S49    | 12-3-13.1        | ZACHARY J. KIRKLAND  | 5       |
|      | S50    | 12-2-22.1        | DAVID A. NICE  | 54.66   |
| O    | S51    | 12-3-48          | RONALD W. & JULIANA NICE   | 1       |
| P    | S52    | 12-3-12          | RODNEY DEAN JACKSON  | 3.625   |
|      | S53    | 12-2-12          | BERYLE MASON   | 59.9    |
|      | S54    | 12-2-13          | JAY S. BOOTH; DANIEL T. BOOTH & DIANE BETH OVERDORFF                                 | 100     |
|      | S55    | 12-3-3           | ANITA LARELL SLOUGH  | 1.12    |
| Q    | S56    | 12-3-42          | DEREK L. BAKER   | 5.21    |
|      | S57    | 12-3-4.3         | JOSEPH P. & BARBARA A. CAIN  | 3.619   |
|      | S58    | 12-3-4.8         | ERIN HUBBS   | 0.621   |
| R    | S59    | 12-3-4.7         | JOSEPH P. & BARBARA A. CAIN  | 67.3    |
|      | S60    | 12-3-4.6         | STEVEN P. WAYMAN   | 1.009   |
|      | S61    | 12-3-4.5         | HAZEL M. BLAIR   | 0.451   |
|      | S62    | 12-3-1           | JAMES W. KLUG  | 0.375   |
|      | S63    | 12-3-43          | ADAM W. FERRELL & BRITTANY M. LOY  | 1.97    |
|      | S64    | 12-3-49          | LOGAN & AMY TAYLOR   | 3.814   |

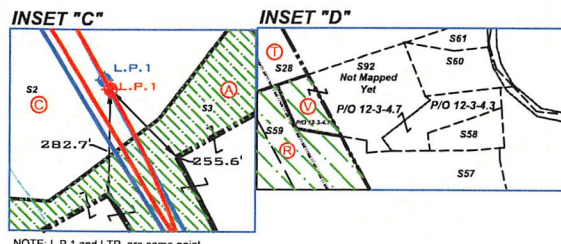
| Tags | Number | Tax Map - Parcel   | Surface Owner  | Acres   |
|------|--------|--------------------|--|---------|
|      | S65    | 12-3-47            | WETZEL CO. EMERGENCY AMBULANCE   | 0.5     |
|      | S66    | 12-3-44            | JAMES A. & JO C. ESTEP   | 1.1     |
|      | S67    | 05-25-11.1         | EDWARD W. & DIANNA KLUG  | 2.343   |
| U    | S68    | 05-25-11.4         | EDWARD W. KLUG, ET UX  | 32.787  |
|      | S69    | 12-2-14.2          | JOHN G. JR. & GERALDINE W. ROGERS  | 22.0007 |
|      | S70    | 05-25-13.4         | PARSONS CEMETERY   | 0.382   |
|      | S71    | 05-25-14           | ROY F. YOHO  | 23      |
|      | S72    | 05-25-1            | MICHAEL L. MASON   | 35.43   |
|      | S73    | 05-25-13.2         | DAVID A. KLUG  | 5.89    |
|      | S74    | 05-25-13           | WILLIAM M. FERDA, JR. & STEPHANIE L. PALICKA   | 16.014  |
|      | S75    | 05-25-12.1         | KENT & BETTY MASON   | 15      |
|      | S76    | 05-25-1.5          | RYAN J. BRATTON  | 21.35   |
|      | S77    | 05-25-2            | JAMES W. KLUG  | 122.3   |
|      | S78    | 05-25-3            | S.D. FERTITTA, ET UX   | 181.548 |
|      | S79    | 05-25-3.1          | S.D. FERTITTA, ET UX   | 3.022   |
|      | S80    | 05-25-10           | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 18.75   |
|      | S81    | 05-25-10.1         | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 5.25    |
|      | S82    | 12-3-41            | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 4.102   |
|      | S83    | 12-3-41.1          | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 74.138  |
|      | S84    | 12-3-4.1           | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 10.5    |
|      | S85    | 12-3-15            | ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER                                | 38      |
|      | S86    | 12-3-22            | FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)   | 22.5    |
|      | S87    | 12-3-30.1          | JOAN & MICHAEL J. ESTEP  | 1.75    |
|      | S88    | 12-3-33            | FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)   | 58.32   |
|      | S89    | 12-8-21            | EDUARDO C. & SONYA R. DEGUZMAN   | 11.51   |
|      | S90    | 12-8-32.8          | DAVID TODD & CINDY L. BATES  | 36.425  |
|      | S91    | 12-8-32.6          | CHARLES W. THOMAS, JR.   | 1.309   |
| V    | S92    | See Inset "D"      | JOSHUA D. LEMASTERS & ERIN LEMASTERS   | 3.602   |
|      | S93    | p/o 12-3-39 & 30.4 | DOUGLAS & SUZANNE ESTEP  | 0.145   |

**SURFACE HOLE**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,393,820.90  
 E) 522,504.28

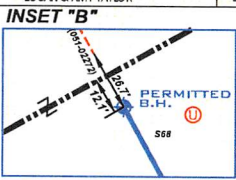
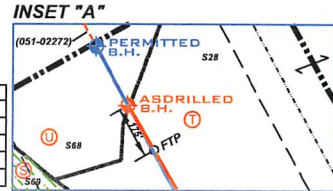
**LANDING POINT 1**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,393,646.78  
 E) 522,674.21

**BOTTOM HOLE**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,396,549.84  
 E) 521,013.40

ASDRILLED LEG  
 PERMITTED LEG

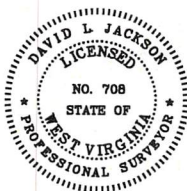


NOTE: L.P.1 and LTP are same point.



DEEP WELLS WITHIN 2400' OF PROPOSED WELL'S SURFACE LOCATION AND/OR WITHIN 500' OF WELL LATERAL

| API          | OPERATOR                |
|--------------|-------------------------|
| 47-051-02272 | Tug Hill Operating, LLC |
| 47-103-03467 | Tug Hill Operating, LLC |
| 47-103-03505 | Tug Hill Operating, LLC |
| 47-103-03502 | Tug Hill Operating, LLC |
| 47-103-03503 | Tug Hill Operating, LLC |



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 WV Department of  
 Environmental Protection



OPERATOR'S  
 WELL #: ELMER N-16HU  
 DISTRICT: Proctor  
 COUNTY: Wetzel  
 STATE: WV  
 API #: 47-103-03504

WELL PLAT  
 PAGE 2 OF 3  
 DATE: 10/18/2023

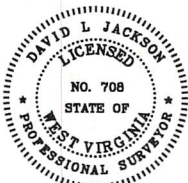
12/13/2024

form wv6

**ELMER N-16HU**  
**325.5213± ACRES**  
**EQT PRODUCTION COMPANY**

| Lease ID     | TMP       | Tag | Grantor, Lessor, Etc.               | Deed Book/Page |     |
|--------------|-----------|-----|-------------------------------------|----------------|-----|
| "FORCE POOL" | 12-8-20   | A   | BRC MINERALS LP, ET AL              | 102A           | 501 |
| 10*31435     | 12-8-21.1 | B   | HENRY AND NANCY GARNER              | 55             | 394 |
| 10*31435     | 12-8-16   | C   | HENRY AND NANCY GARNER              | 55             | 394 |
| 10*31435     | 12-8-15   | D   | HENRY AND NANCY GARNER              | 55             | 394 |
| 10*31435     | 12-8-14   | E   | HENRY AND NANCY GARNER              | 55             | 394 |
| 10*31435     | 12-8-13   | F   | HENRY AND NANCY GARNER              | 55             | 394 |
| 10*31435     | 12-8-2    | G   | HENRY AND NANCY GARNER              | 55             | 394 |
| 10*31435     | 12-8-1.1  | H   | HENRY AND NANCY GARNER              | 55             | 394 |
| 10*31435     | 12-8-1.2  | I   | HENRY AND NANCY GARNER              | 55             | 394 |
| 10*21681     | 12-3-21   | J   | DOROTHY J HAAS, ET AL               | 214A           | 358 |
| 10*21681     | 12-3-21.1 | K   | DOROTHY J HAAS, ET AL               | 214A           | 358 |
| 10*22229     | 12-3-13   | L   | MURIEL A MILLER, ET AL              | 204A           | 150 |
| 10*22229     | 12-3-13.1 | M   | MURIEL A MILLER, ET AL              | 204A           | 150 |
| 10*21681     | 12-2-19   | N   | DOROTHY J HAAS, ET AL               | 214A           | 358 |
| 10*21681     | 12-3-48   | O   | DOROTHY J HAAS, ET AL               | 214A           | 358 |
| 10*23350     | 12-3-12   | P   | RODNEY DEAN JACKSON, ET AL          | 211A           | 235 |
| 10*39463     | 12-3-4.2  | Q   | J P COOPER ET AL                    | 56             | 245 |
| 10*39463     | 12-3-4.7  | R   | J P COOPER ET AL                    | 56             | 245 |
| 10*19484     | 12-2-14   | S   | FREDRIC & BETTY RICHTER, ET AL      | 941            | 235 |
| 10*22496     | 5-25-11.2 | T   | JAMES W KLUG                        | 195A           | 166 |
| 10*22494     | 5-25-11.4 | U   | EDWARD W KLUG & DIANNA KLUG JT/WROS | 923            | 543 |
| 10*39463     | 12-3-4.7  | V   | J P COOPER ET AL                    | 920            | 109 |
|              |           |     |                                     | 56             | 245 |

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 OCT 02 2024  
 WV Department of  
 Environmental Protection



P.S.  
708

*David L Jackson*



OPERATOR'S  
 WELL #: ELMER N-16HU  
 DISTRICT: Proctor  
 COUNTY: Wetzel  
 STATE: WV  
 API #: 47-103-03504

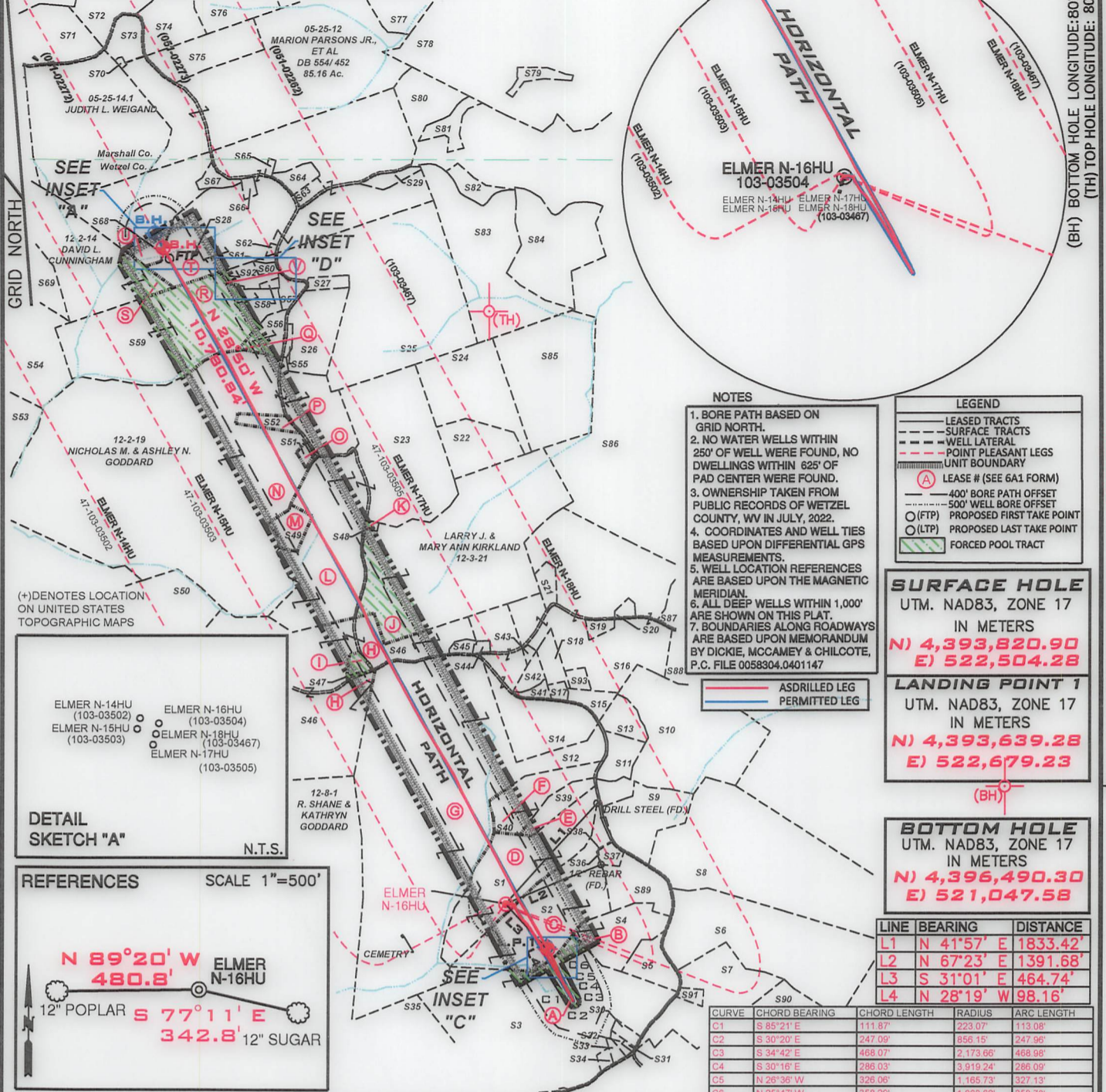
WELL PLAT  
 PAGE 3 OF 3  
 DATE: 10/18/2023

12/13/2024



**ELMER N-16HU**  
**325.5213± ACRES**  
**EQT PRODUCTION COMPANY**

Note: Tracts K, O, & V are forced pooled tracts.



- NOTES**
1. BORE PATH BASED ON GRID NORTH.
  2. NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
  3. OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN JULY, 2022.
  4. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
  5. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
  6. ALL DEEP WELLS WITHIN 1,000' ARE SHOWN ON THIS PLAT.
  7. BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147

**LEGEND**

- LEASED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- LEASE # (SEE 6A1 FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- FORCED POOL TRACT

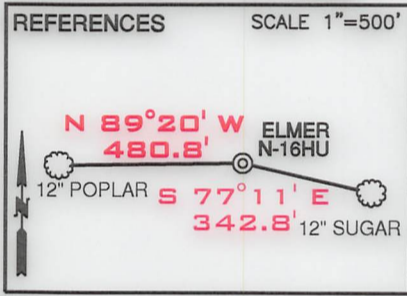
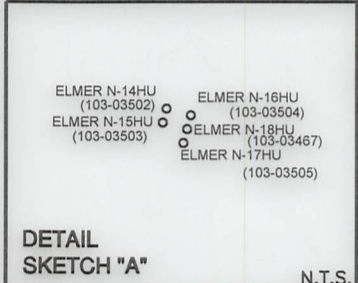
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PROVEN SOURCE OF ELEVATION SUBMETER MAPPING  
GRADE GPS

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

P.S. 708  
*David L Jackson*



JACKSON SURVEYING INC.  
P.O. Box 1460  
Clarksburg, WV 26302  
304-623-5851

WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET, SE  
CHARLESTON, WV 25304

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP X SHALLOW \_\_\_  
LOCATION ELEVATION 1276.50' WATERSHED (HUC 10) PROCTOR CREEK OF FRENCH CREEK - OHIO RIVER (HUC-10)  
DISTRICT PROCTOR COUNTY WETZEL  
QUADRANGLE WILEYVILLE 7.5' LEASE NUMBER SEE WW-6A1 FORM

SURFACE OWNER ELNORA TUTTLE HRS. ACREAGE 39.19  
OIL & GAS ROYALTY OWNER HENRY & NANCY GARNER - SEE WW-6A1 LEASE ACREAGE 39.19  
PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_  
PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) AsDrilled

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,767' TMD: 23,376'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JOSEPH C. MALLOW  
ADDRESS 400 WOODCLIFF DRIVE ADDRESS 427 MIDSTATE DRIVE  
CANONSBURG, PA 15317 CLARKSBURG, WV 25301

(TH) 5,279'

(BH) 11,664'

COUNTY NAME  
PERMIT

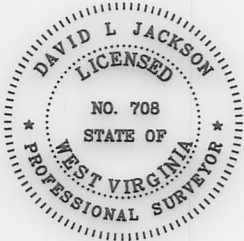
12/13/2024

SEAL



**ELMER N-16HU  
325.5213± ACRES  
EQT PRODUCTION COMPANY**

| Lease ID     | TMP       | Tag | Grantor, Lessor, Etc.              | Deed Book/Page |     |
|--------------|-----------|-----|------------------------------------|----------------|-----|
| "FORCE POOL" | 12-8-20   | A   | BRC MINERALS LP, ET AL             | 102A           | 501 |
| 10*31435     | 12-8-21.1 | B   | HENRY AND NANCY GARNER             | 55             | 394 |
| 10*31435     | 12-8-16   | C   | HENRY AND NANCY GARNER             | 55             | 394 |
| 10*31435     | 12-8-15   | D   | HENRY AND NANCY GARNER             | 55             | 394 |
| 10*31435     | 12-8-14   | E   | HENRY AND NANCY GARNER             | 55             | 394 |
| 10*31435     | 12-8-13   | F   | HENRY AND NANCY GARNER             | 55             | 394 |
| 10*31435     | 12-8-2    | G   | HENRY AND NANCY GARNER             | 55             | 394 |
| 10*31435     | 12-8-1.1  | H   | HENRY AND NANCY GARNER             | 55             | 394 |
| 10*31435     | 12-8-1.2  | I   | HENRY AND NANCY GARNER             | 55             | 394 |
| 10*21681     | 12-3-21   | J   | DOROTHY J HAAS, ET AL              | 214A           | 358 |
| 10*21681     | 12-3-21.1 | K   | DOROTHY J HAAS, ET AL              | 214A           | 358 |
| 10*22229     | 12-3-13   | L   | MURIEL A MILLER, ET AL             | 204A           | 150 |
| 10*22229     | 12-3-13.1 | M   | MURIEL A MILLER, ET AL             | 204A           | 150 |
| 10*21681     | 12-2-19   | N   | DOROTHY J HAAS, ET AL              | 214A           | 358 |
| 10*21681     | 12-3-48   | O   | DOROTHY J HAAS, ET AL              | 214A           | 358 |
| 10*23350     | 12-3-12   | P   | RODNEY DEAN JACKSON, ET AL         | 211A           | 235 |
| 10*39463     | 12-3-4.2  | Q   | J P COOPER ET AL                   | 56             | 245 |
| 10*39463     | 12-3-4.7  | R   | J P COOPER ET AL                   | 56             | 245 |
| 10*19484     | 12-2-14   | S   | FREDRIC & BETTY RICHTER, ET AL     | 941            | 235 |
| 10*22496     | 5-25-11.2 | T   | JAMES W KLUG                       | 195A           | 166 |
| 10*22494     | 5-25-11.4 | U   | EDWARD W KLUG & DIANNA KLUG JTWROS | 923            | 543 |
| 10*39463     | 12-3-4.7  | V   | J P COOPER ET AL                   | 920            | 109 |
|              |           |     |                                    | 56             | 245 |



P.S.  
708

*David L Jackson*

12/13/2024



OPERATOR'S  
WELL #: ELMER N-16HU  
DISTRICT: Proctor  
COUNTY: Wetzel  
STATE: WV  
API #: 47-103-03504

WELL PLAT  
PAGE 3 OF 3  
DATE: 10/18/2023



form ww6

**ELMER N-16HU**  
**325.5213± ACRES**  
**EQT PRODUCTION COMPANY**

| Tags | Number | Tax Map - Parcel | Surface Owner   | Acres   |
|------|--------|------------------|---|---------|
| D    | S1     | 12-8-15          | ELNORA TUTTLE HRS.  | 39.19   |
| C    | S2     | 12-8-16          | CHARLES & BETTY HUGGINS   | 39.13   |
| A    | S3     | 12-8-20          | NANCY D. TRUEX  | 95.35   |
| B    | S4     | 12-8-21.1        | LINDA M. STOUT  | 15.26   |
|      | S5     | 12-8-22.1        | BARRY C. KIRKLAND   | 7.401   |
|      | S6     | 12-8-23          | JACOB WOODROW & MARY JOSEPHINE NICE   | 59      |
|      | S7     | 12-8-32          | DAVID TODD & CINDY L. BATES & CHARLES M. THOMAS                                       | 27.287  |
|      | S8     | 12-8-17          | JACOB WOODROW & MARY JOSEPHINE NICE   | 85.69   |
|      | S9     | 12-8-4           | JACOB WOODROW & MARY JOSEPHINE NICE   | 20.893  |
|      | S10    | 12-8-4.5         | JACOB WOODROW & MARY JOSEPHINE NICE   | 51.107  |
|      | S11    | 12-8-4.1         | JACOB WOODROW & MARY JOSEPHINE NICE   | 6.171   |
| G    | S12    | 12-8-2           | R. SHANE & KATHRYN GODDARD  | 178     |
|      | S13    | 12-8-4.3         | BRADY G. & SHARON L. HOWELL   | 5.59    |
|      | S14    | 12-8-3           | R. SHANE & KATHRYN GODDARD  | 31.13   |
|      | S15    | 12-3-31          | DOUGLAS & SUZANNE ESTEP   | 3.25    |
|      | S16    | 12-3-30.4        | FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP - L/E) | 81.82   |
|      | S17    | 12-3-39.1        | WILLIAM NICE  | 1.31    |
|      | S18    | 12-3-39          | FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP - L/E) | 4.69    |
|      | S19    | 12-3-30.2        | APRIL ROSE & DONALD ALLEN POSTLETHWAIT  | 1.67    |
|      | S20    | 12-3-30          | MARY ROSE YOHO - L/E; APRIL ROSE POSTLETHWAIT   | 0.48    |
|      | S21    | 12-3-29          | FRIEND V. ESTEP (RAYMOND F. ESTEP - L/E)  | 2.9     |
|      | S22    | 12-3-14.1        | MATTHEW D. HALL   | 13      |
| L    | S23    | 12-3-13          | LARRY J. & MARY ANN KIRKLAND  | 95      |
|      | S24    | 12-3-14          | ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER                                 | 27      |
|      | S25    | 12-3-4           | MARY HOHMAN ET AL   | 85      |
|      | S26    | 12-3-3.1         | DIANA & ROBERT L. SMITH   | 15.78   |
|      | S27    | 12-3-02          | ROBERT LEE & DIANA G. SMITH   | 2.48    |
| T    | S28    | 5-25-11.2        | JAMES W. KLUG   | 110.491 |
|      | S29    | 12-3-42          | J. M. KLUG  | 2.617   |
|      | S30    | 12-8-20.1        | PAUL J. BLAKE   | 1.5     |
|      | S31    | 12-8-20.3        | PAUL J. BLAKE   | 0.25    |
|      | S32    | 12-8-20.9        | JOSHUA M. & COURTNEY R. NEFF  | 0.4     |
|      | S33    | 12-8-20.8        | JOSHUA M. & COURTNEY R. NEFF  | 0.99    |
|      | S34    | 12-8-20.6        | JOHN G. & DEBRA D. THROCKMORTON   | 1.046   |
|      | S35    | 12-8-20.5        | JOE B. MILLER & GERALD & SUE YEATER   | 44.85   |
|      | S36    | 12-8-4.4         | CHARLES & BETTY HUGGINS   | 0.69    |
|      | S37    | 12-8-4.2         | BRENT A. & KIMBERLY J. EDDY   | 1.861   |
|      | S38    | 12-8-16.1        | BRENT A. & KIMBERLY J. EDDY   | 0.06    |
| E    | S39    | 12-8-14          | EDWARD C. & SANDRA K. MURRINER  | 5.33    |
| F    | S40    | 12-8-13          | EDWARD C. & SANDRA K. MURRINER  | 15      |
|      | S41    | 12-3-32.1        | TIMOTHY L. & LEA ANN SUMMERS  | 1.78    |
|      | S42    | 12-3-32          | TIMOTHY L. SUMMERS  | 2.32    |
|      | S43    | 12-3-30.3        | TIMOTHY L. SUMMERS  | 0.61    |
|      | S44    | 12-3-45          | ANTIOCH CHURCH  | 0.774   |
|      | S45    | 12-3-28          | ANTIOCH CHURCH  | 1       |
| H    | S46    | 12-8-1.1         | R. SHANE & KATHRYN GODDARD  | 92.69   |
| I    | S47    | 12-8-1.2         | JOSH GODDARD  | 1.81    |
| K    | S48    | 12-3-21.1        | LARRY J & MARY ANN KIRKLAND   | 0.47    |
| M    | S49    | 12-3-13.1        | ZACHARY J. KIRKLAND   | 5       |
|      | S50    | 12-2-22.1        | DAVID A. NICE   | 54.66   |
| O    | S51    | 12-3-48          | RONALD W. & JULIANA NICE  | 1       |
| P    | S52    | 12-3-12          | RODNEY DEAN JACKSON   | 3.625   |
|      | S53    | 12-2-12          | BERYL E. MASON  | 59.9    |
|      | S54    | 12-2-13          | JAY S. BOOTH; DANIEL T. BOOTH & DIANE BETH OVERDORFF                                  | 100     |
|      | S55    | 12-3-3           | ANITA LARELL SLOUGH   | 1.12    |
| Q    | S56    | 12-3-4.2         | DEREK L. BAKER  | 5.21    |
|      | S57    | 12-3-4.3         | JOSEPH P. & BARBARA A. CAIN   | 3.619   |
|      | S58    | 12-3-4.8         | ERIN HUBBS  | 0.621   |
| R    | S59    | 12-3-4.7         | JOSEPH P. & BARBARA A. CAIN   | 67.3    |
|      | S60    | 12-3-4.6         | STEVEN P. WAYMAN  | 1.009   |
|      | S61    | 12-3-4.5         | HAZEL M. BLAIR  | 0.451   |
|      | S62    | 12-3-1           | JAMES W. KLUG   | 0.375   |
|      | S63    | 12-3-43          | ADAM W. FERRELL & BRITTANY M. LOY   | 1.97    |
|      | S64    | 12-3-49          | LOGAN & AMY TAYLOR  | 3.814   |

\* FORCED POOLED TRACTS ARE HIGHLIGHTED

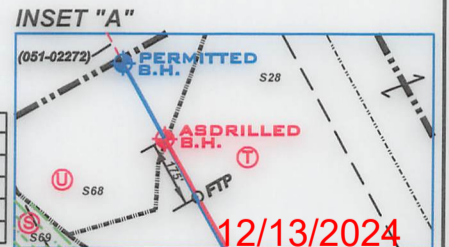
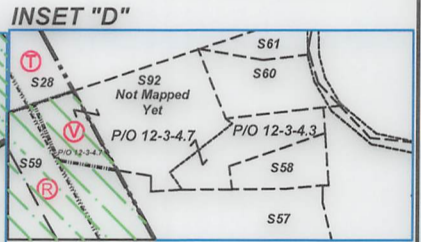
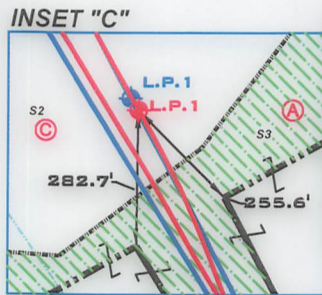
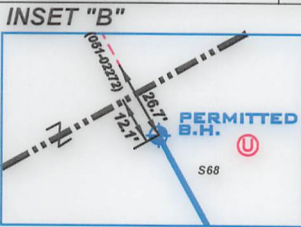
| Tags | Number | Tax Map - Parcel   | Surface Owner  | Acres   |
|------|--------|--------------------|--|---------|
|      | S65    | 12-3-47            | WETZEL CO. EMERGENCY AMBULANCE   | 0.5     |
|      | S66    | 12-3-44            | JAMES A. & JO C. ESTEP   | 1.1     |
|      | S67    | 05-25-11.1         | EDWARD W. & DIANNA KLUG  | 2.343   |
| U    | S68    | 05-25-11.4         | EDWARD W. KLUG, ET UX  | 32.787  |
|      | S69    | 12-2-14.2          | JOHN G. JR. & GERALDINE W. ROGERS  | 22.0007 |
|      | S70    | 05-25-13.4         | PARSONS CEMETERY   | 0.382   |
|      | S71    | 05-25-14           | ROY F. YOHO  | 23      |
|      | S72    | 05-25-1            | MICHAEL L. MASON   | 35.43   |
|      | S73    | 05-25-13.2         | DAVID A. KLUG  | 5.89    |
|      | S74    | 05-25-13           | WILLIAM M. FERDA, JR. & STEPHANIE L. PALICKA   | 16.014  |
|      | S75    | 05-25-12.1         | KENT & BETTY MASON   | 15      |
|      | S76    | 05-25-1.5          | RYAN J. BRATTON  | 21.35   |
|      | S77    | 05-25-2            | JAMES W. KLUG  | 122.3   |
|      | S78    | 05-25-3            | S.D. FERTITTA, ET UX   | 181.548 |
|      | S79    | 05-25-3.1          | S.D. FERTITTA, ET UX   | 3.022   |
|      | S80    | 05-25-10           | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 18.75   |
|      | S81    | 05-25-10.1         | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 5.25    |
|      | S82    | 12-3-41            | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 4.102   |
|      | S83    | 12-3-41.1          | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 74.138  |
|      | S84    | 12-3-4.1           | TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST | 10.5    |
|      | S85    | 12-3-15            | ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER                                | 38      |
|      | S86    | 12-3-22            | FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)   | 22.5    |
|      | S87    | 12-3-30.1          | JOAN & MICHAEL J. ESTEP  | 1.75    |
|      | S88    | 12-3-33            | FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)   | 58.32   |
|      | S89    | 12-8-21            | EDUARDO C. & SONYA R. DEGUZMAN   | 11.51   |
|      | S90    | 12-8-32.8          | DAVID TODD & CINDY L. BATES  | 36.425  |
|      | S91    | 12-8-32.6          | CHARLES W. THOMAS, JR.   | 1.309   |
| V    | S92    | See Inset "D"      | JOSHUA D. LEMASTERS & ERIN LEMASTERS   | 3.602   |
|      | S93    | p/o 12-3-39 & 30.4 | DOUGLAS & SUZANNE ESTEP  | 0.145   |

**SURFACE HOLE**  
 UTM. NAD83, ZONE 17  
 IN METERS  
**N) 4,393,820.90**  
**E) 522,504.28**

**LANDING POINT 1**  
 UTM. NAD83, ZONE 17  
 IN METERS  
**N) 4,393,646.78**  
**E) 522,674.21**

**BOTTOM HOLE**  
 UTM. NAD83, ZONE 17  
 IN METERS  
**N) 4,396,549.84**  
**E) 521,013.40**

ASDRILLED LEG  
 PERMITTED LEG



DEEP WELLS WITHIN 2400' OF PROPOSED WELL'S SURFACE LOCATION AND/OR WITHIN 500' OF WELL LATERAL

| API          | OPERATOR                |
|--------------|-------------------------|
| 47-051-02272 | Tug Hill Operating, LLC |
| 47-103-03467 | Tug Hill Operating, LLC |
| 47-103-03505 | Tug Hill Operating, LLC |
| 47-103-03502 | Tug Hill Operating, LLC |
| 47-103-03503 | Tug Hill Operating, LLC |



P.S. 708

*David L Jackson*

12/13/2024



OPERATOR'S  
 WELL #: ELMER N-16HU  
 DISTRICT: Proctor  
 COUNTY: Wetzel  
 STATE: WV  
 API #: 47-103-03504

WELL PLAT  
 PAGE 2 OF 3  
 DATE: 10/18/2023



# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                 |                    |
|---------------------------------|--------------------|
| Job Start Date:                 | 05/03/2024         |
| Job End Date:                   | 06/09/2024         |
| State:                          | West Virginia      |
| County:                         | Wetzel             |
| API Number:                     | 47-103-03504-00-00 |
| Operator Name:                  | EQT Production     |
| Well Name and Number:           | Elmer N-16HU       |
| Latitude:                       | 39.693936          |
| Longitude:                      | -80.737528         |
| Datum:                          | NAD83              |
| Federal Well:                   | NO                 |
| Indian Well:                    | NO                 |
| True Vertical Depth:            | 11767.03           |
| Total Base Water Volume (gal)*: | 22551973.248       |
| Total Base Non Water Volume:    | 0                  |



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

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OCT 02 2024  
WV Department of  
Environmental Protection

## 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  | 87.20212   | None     |
| Sand (Proppant)    | EQT        | Proppant           |                            |  |  |  |          |
|                    |            |                    | Silica Substrate           | 14808-60-7                               | 100.00000  | 12.60801   | None     |
| StimSTREAM FR 9800 | ChemStream | Friction Reducer   |                            |  |  |  |          |
|                    |            |                    | Copolymer of 2-propanamide | Proprietary                              | 30.00000   | 0.01160  | None     |
| Clearal 268        | ChemStream | Biocide            |                            |  |  |  |          |
|                    |            |                    | Non-hazardous substances   | Proprietary                              | 80.00000   | 0.00877  | None     |
| StimSTREAM SC-398  | ChemStream | Scale Inhibitor    |                            |  |  |  |          |
|                    |            |                    | Non-hazardous substances   | Proprietary                              | 90.00000   | 0.00741  | None     |
| StimSTREAM         | ChemStream | Friction           |                            |  |  |  |          |

12/13/2024

|                           |                            |                     |  |             |          |         |      |
|---------------------------|----------------------------|---------------------|--|-------------|----------|---------|------|
| FR 9800                   |                            | Reducer             |  |             |          |         |      |
|                           |                            |                     | Petroleum Distillate   | 64742-47-8  | 20.00000 | 0.00516 | None |
| Enviro-Syn<br>HCR-7000-WL | Fluid Energy<br>Group Ltd. | Synthetic<br>Acid   |  |             |          |         |      |
|                           |                            |                     | Proprietary  | Proprietary | 20.00000 | 0.00152 | None |
| Clearal 268               | ChemStream                 | Biocide             |  |             |          |         |      |
|                           |                            |                     | Glutaraldehyde   | 111-30-8    | 20.00000 | 0.00055 | None |
| Enviro-Syn<br>HCR-7000-WL | Fluid Energy<br>Group Ltd. | Synthetic<br>Acid   |  |             |          |         |      |
|                           |                            |                     | Proprietary  | Proprietary | 10.00000 | 0.00038 | None |
| StimSTREAM<br>SC-398      | ChemStream                 | Scale<br>Inhibitor  |  |             |          |         |      |
|                           |                            |                     | Bis(HexaMethylene<br>Triamine<br>Penta(Methylene<br>Phosphonic Acid)<br>(BHMT) | 34690-00-1  | 10.00000 | 0.00009 | None |
| StimSTREAM<br>FR 9800     | ChemStream                 | Friction<br>Reducer |  |             |          |         |      |
|                           |                            |                     | Oleic Acid<br>Diethanolamide   | 93-83-4     | 2.00000  | 0.00005 | None |
| StimSTREAM<br>FR 9800     | ChemStream                 | Friction<br>Reducer |  |             |          |         |      |
|                           |                            |                     | Alcohols, C12-16,<br>ethoxylated   | 68551-12-2  | 2.00000  | 0.00005 | None |
| StimSTREAM<br>FR 9800     | ChemStream                 | Friction<br>Reducer |  |             |          |         |      |
|                           |                            |                     | Ammonium chloride<br>((NH4)Cl)   | 12125-02-9  | 1.00000  | 0.00001 | None |
| Clearal 268               | ChemStream                 | Biocide             |  |             |          |         |      |
|                           |                            |                     | Quaternary Ammonium<br>Compounds   | 68424-85-1  | 3.00000  | 0.00001 | None |
| Clearal 268               | ChemStream                 | Biocide             |  |             |          |         |      |
|                           |                            |                     | Didecyl dimethyl<br>ammonium chloride  | 7173-51-5   | 3.00000  | 0.00001 | None |
| Clearal 268               | ChemStream                 | Biocide             |  |             |          |         |      |
|                           |                            |                     | Ethanol  | 64-17-5     | 1.50000  | 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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12/13/2024  
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