

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

API 47-069-00339 County OHIO District RICHLAND  
Quad TILTONSVILLE 7.5', OH Pad Name ROTH-OHI-PAD1 Field/Pool Name PANANDLE FIELD WET  
Farm name SWN PRODUCTION COMPANY, LLC Well Number ROTH OHI 10H  
Operator (as registered with the OOG) SWN PRODUCTION COMPANY, LLC  
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,444,580.547 Easting 526,660.563  
Landing Point of Curve Northing 4,444,696.109 Easting 527,228.150  
Bottom Hole Northing 4,440,379.882 Easting 528,688.267

Elevation (ft) 1,003.9' 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)  
SOBM

Date permit issued 4/19/2022 Date drilling commenced 11/23/22 Date drilling ceased 12/17/2022  
Date completion activities began 3/6/2023 Date completion activities ceased 4/16/2023  
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 423' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1119' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 179' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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**APPROVED**

Reviewed by:

[Signature]  
**09/22/2023**

API 47- 069 - 00339 Farm name SWN PRODUCTION COMPANY, LLC Well number ROTH OHI 10H

| CASING STRINGS            | Hole Size   | Casing Size | Depth   | New or Used | Grade wt/ft  | Basket Depth(s)  | Did cement circulate (Y/N)<br>* Provide details below* |
|---------------------------|-------------|-------------|---------|-------------|--------------|------------------|--|
| Conductor                 | 24          | 20          | 136'    | NEW         | J-55/94#     |                  | Y  |
| Surface                   | 17.5        | 13.375      | 467     | NEW         | J-55/54.50#  | 129.4' / 337.57' | Y / 2 BBLS   |
| Coal                      | SEE SURFACE |             |         |             |              |                  |  |
| Intermediate 1            | 12.25       | 9.625       | 1,614'  | NEW         | J-55/36#     |                  | Y / 31 BBLS  |
| Intermediate 2            |             |             |         |             |              |                  |  |
| Intermediate 3            |             |             |         |             |              |                  |  |
| Production                | 8.50        | 5.5         | 21,427' | NEW         | P-110 HP/20# |                  | N  |
| Tubing                    |             | 2.875       | 6,269'  | NEW         | P-110/6.50#  |                  | N  |
| Packer type and depth set |             |             |         |             |              |                  |  |

Comment Details \_\_\_\_\_

| 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 (MD) | WOC (hrs) |
|----------------|----------------------|------------------|-----------------|------------------------------|---------------------------|-----------------|-----------|
| Conductor      | CLASS A              | GROUT TO SURFACE |                 |                              |                           | SURFACE         | 24        |
| Surface        | CLASS A              | 678              | 15.60           | 1.20                         | 813.6                     | SURFACE         | 8         |
| Coal           | SEE SURFACE          |                  |                 |                              |                           |                 |           |
| Intermediate 1 | CLASS A              | 638              | 15.60           | 1.19                         | 759.22                    | SURFACE         | 8         |
| Intermediate 2 |                      |                  |                 |                              |                           |                 |           |
| Intermediate 3 |                      |                  |                 |                              |                           |                 |           |
| Production     | CLASS A              | 4,666            | 15.00           | 1.29                         | 6,019.14                  | 2,100'          | 24        |
| Tubing         |                      |                  |                 |                              |                           |                 |           |

Drillers TD (ft) 21,427' Loggers TD (ft) 21,427'  
 Deepest formation penetrated MARCELLUS Plug back to (ft) 21,333'  
 Plug back procedure N/A

Kick off depth (ft) 5,351' MD

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

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

SURFACE: 0 CENTRALIZERS  
 INTERMEDIATE: 20 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 PRODUCTION: 450 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

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- 069 - 00339 Farm name SWN PRODUCTION COMPANY, LLC Well number ROTH OHI 10H

**PERFORATION RECORD**

| Stage No. | Perforation date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formation(s) |
|-----------|------------------|------------------------|----------------------|------------------------|--------------|
|           | SEE              | ATTACHMENT             | 1                    |                        |              |
|           |                  |                        |                      |                        |              |
|           |                  |                        |                      |                        |              |
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|           |                  |                        |                      |                        |              |
|           |                  |                        |                      |                        |              |
|           |                  |                        |                      |                        |              |

Please insert additional pages as applicable.

**STIMULATION INFORMATION PER STAGE**

Complete a separate record for each stimulation stage.

| Stage No. | Stimulations 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) |
|-----------|-------------------|---------------------|------------------------------|------------------------------|------------|--------------------------|------------------------|----------------------------------|
|           |                   | SEE                 | ATTACHMENT                   | 2                            |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
|           |                   |                     |                              |                              |            |                          |                        |                                  |
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|           |                   |                     |                              |                              |            |                          |                        |                                  |

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| <u>PRODUCING FORMATION(S)</u> | <u>DEPTHS</u> |            |               |           |
|-------------------------------|---------------|------------|---------------|-----------|
| <u>MARCELLUS</u>              | <u>5,628'</u> | <u>TVD</u> | <u>6,189'</u> | <u>MD</u> |
| _____                         | _____         | _____      | _____         | _____     |
| _____                         | _____         | _____      | _____         | _____     |

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2,438 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs

OPEN FLOW Gas 1,644 mcfpd Oil 419 bpd NGL \_\_\_\_\_ bpd Water 2,708 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

| <u>LITHOLOGY/<br/>FORMATION</u> | <u>TOP</u>         | <u>BOTTOM</u>      | <u>TOP</u>         | <u>BOTTOM</u>      | <u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND<br/>TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H<sub>2</sub>S, ETC)</u> |
|---------------------------------|--------------------|--------------------|--------------------|--------------------|--|
|                                 | <u>DEPTH IN FT</u> | <u>DEPTH IN FT</u> | <u>DEPTH IN FT</u> | <u>DEPTH IN FT</u> |  |
|                                 | <u>NAME TVD</u>    | <u>TVD</u>         | <u>MD</u>          | <u>MD</u>          |  |
|                                 | <u>0</u>           |                    | <u>0</u>           |                    |  |
|                                 | <u>SEE</u>         | <u>ATTACHMENT</u>  | <u>3</u>           |                    |  |
|                                 |                    |                    |                    |                    |  |
|                                 |                    |                    |                    |                    |  |
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|                                 |                    |                    |                    |                    |  |
|                                 |                    |                    |                    |                    |  |
|                                 |                    |                    |                    |                    |  |

Please insert additional pages as applicable.

Drilling Contractor SWN DRILLING COMPANY  
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Logging Company BAKER HUGHES  
Address 9110 GROGANS MILL ROAD City THE WOODLANDS State TX Zip 77380

Cementing Company SCHLUMBERGER WELL SERVICES  
Address 110 SCHLUMBERGER DRIVE City SUGAR LAND State TX Zip 77478 RECEIVED Office of Oil and Gas

Stimulating Company SWN WELL SERVICES  
Address PO BOX 12359 City SPRING State TX Zip 77391-2359 JUL 10 2023

Please insert additional pages as applicable.

Completed by DENISE GRANTHAM Telephone 832-796-6139  
Signature Denise Grantham Title REGULATORY SPECIALIST Date 7.6.2023

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

09/22/2023

**ROTH OHI 10H  
ATTACHMENT 1  
PERF REPORT**

| STAGE NUM | Perf Date | Perf Bottom MD | Perf Top MD2 | # SHOTS PER STG |
|-----------|-----------|----------------|--------------|-----------------|
| 1         | 3/1/2023  | 21,333         | 21,238       | 36              |
| 2         | 3/7/2023  | 21,204         | 21,027       | 36              |
| 3         | 3/7/2023  | 20,994         | 20,817       | 36              |
| 4         | 3/8/2023  | 20,784         | 20,607       | 36              |
| 5         | 3/9/2023  | 20,574         | 20,397       | 36              |
| 6         | 3/9/2023  | 20,364         | 20,187       | 36              |
| 7         | 3/10/2023 | 20,154         | 19,977       | 36              |
| 8         | 3/9/2023  | 19,944         | 19,767       | 72              |
| 9         | 3/11/2023 | 19,734         | 19,557       | 36              |
| 10        | 3/12/2023 | 19,524         | 19,346       | 36              |
| 11        | 3/13/2023 | 19,313         | 19,136       | 36              |
| 12        | 3/14/2023 | 19,103         | 18,926       | 36              |
| 13        | 3/14/2023 | 18,893         | 18,716       | 36              |
| 14        | 3/15/2023 | 18,683         | 18,506       | 36              |
| 15        | 3/15/2023 | 18,473         | 18,293       | 66              |
| 16        | 3/17/2023 | 18,263         | 18,086       | 36              |
| 17        | 3/17/2023 | 18,053         | 17,876       | 36              |
| 18        | 3/18/2023 | 17,843         | 17,666       | 96              |
| 19        | 3/19/2023 | 17,633         | 17,456       | 36              |
| 20        | 3/20/2023 | 17,423         | 17,246       | 42              |
| 21        | 3/20/2023 | 17,213         | 17,036       | 42              |
| 22        | 3/21/2023 | 17,003         | 16,826       | 48              |
| 23        | 3/21/2023 | 16,793         | 16,616       | 42              |
| 24        | 3/21/2023 | 16,583         | 16,406       | 42              |
| 25        | 3/21/2023 | 16,373         | 16,196       | 36              |
| 26        | 3/22/2023 | 16,163         | 15,986       | 36              |
| 27        | 3/22/2023 | 15,953         | 15,776       | 36              |
| 28        | 3/23/2023 | 15,743         | 15,565       | 36              |
| 29        | 3/23/2023 | 15,532         | 15,355       | 36              |
| 30        | 3/24/2023 | 15,322         | 15,145       | 36              |
| 31        | 3/24/2023 | 15,112         | 14,935       | 36              |
| 32        | 3/24/2023 | 14,902         | 14,725       | 36              |
| 33        | 3/25/2023 | 14,692         | 14,515       | 36              |
| 34        | 3/25/2023 | 14,482         | 14,305       | 36              |
| 35        | 3/26/2023 | 14,272         | 14,095       | 36              |
| 36        | 3/26/2023 | 14,062         | 13,885       | 36              |
| 37        | 3/26/2023 | 13,852         | 13,675       | 36              |
| 38        | 3/26/2023 | 13,642         | 13,465       | 36              |
| 39        | 3/27/2023 | 13,432         | 13,255       | 36              |
| 40        | 3/27/2023 | 13,222         | 13,045       | 36              |
| 41        | 3/27/2023 | 13,012         | 12,835       | 36              |
| 42        | 3/28/2023 | 12,802         | 12,625       | 36              |

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**ROTH OHI 10H  
ATTACHMENT 1  
PERF REPORT**

| STAGE NUM | Perf Date | Perf Bottom MD | Perf Top MD2 | # SHOTS PER STG |
|-----------|-----------|----------------|--------------|-----------------|
| 43        | 3/28/2023 | 12,592         | 12,415       | 36              |
| 44        | 3/28/2023 | 12,382         | 12,205       | 36              |
| 45        | 3/29/2023 | 12,172         | 11,995       | 36              |
| 46        | 3/29/2023 | 11,961         | 11,784       | 36              |
| 47        | 3/29/2023 | 11,751         | 11,574       | 36              |
| 48        | 3/30/2023 | 11,541         | 11,364       | 36              |
| 49        | 3/30/2023 | 11,331         | 11,154       | 36              |
| 50        | 3/30/2023 | 11,121         | 10,944       | 36              |
| 51        | 3/31/2023 | 10,911         | 10,734       | 36              |
| 52        | 3/31/2023 | 10,701         | 10,524       | 36              |
| 53        | 3/31/2023 | 10,491         | 10,314       | 36              |
| 54        | 4/1/2023  | 10,281         | 10,104       | 36              |
| 55        | 4/1/2023  | 10,071         | 9,894        | 36              |
| 56        | 4/1/2023  | 9,861          | 9,684        | 36              |
| 57        | 4/2/2023  | 9,651          | 9,474        | 36              |
| 58        | 4/2/2023  | 9,441          | 9,264        | 36              |
| 59        | 4/2/2023  | 9,231          | 9,054        | 36              |
| 60        | 4/3/2023  | 9,021          | 8,844        | 36              |
| 61        | 4/3/2023  | 8,811          | 8,634        | 36              |
| 62        | 4/3/2023  | 8,601          | 8,424        | 36              |
| 63        | 4/3/2023  | 8,391          | 8,213        | 36              |
| 64        | 4/4/2023  | 8,180          | 8,003        | 36              |
| 65        | 4/4/2023  | 7,970          | 7,793        | 36              |
| 66        | 4/4/2023  | 7,760          | 7,583        | 36              |
| 67        | 4/4/2023  | 7,550          | 7,373        | 36              |
| 68        | 4/4/2023  | 7,340          | 7,163        | 36              |
| 69        | 4/5/2023  | 7,130          | 6,953        | 36              |
| 70        | 4/5/2023  | 6,920          | 6,743        | 36              |
| 71        | 4/5/2023  | 6,710          | 6,533        | 36              |
| 72        | 4/6/2023  | 6,500          | 6,323        | 36              |

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ROTH OHI 10H  
ATTACHMENT 2  
STIM REPORT

| STAGE NUM | Stim Date | Ave Pump Rate (BPM) | Ave Treatment | Max Breakdown | ISIP (PSI) | Amount of Proppant (lbs) | Amount of water bbls | Amount of nitrogen/othe |
|-----------|-----------|---------------------|---------------|---------------|------------|--------------------------|----------------------|-------------------------|
| 1         | 3/7/2023  | 92.8                | 9,481         | 7,008         | 4,014      | 196,420                  | 6,358                | 0                       |
| 2         | 3/7/2023  | 97.5                | 9,348         | 5,984         | 5,420      | 387,700                  | 9,157                | 0                       |
| 3         | 3/8/2023  | 93.5                | 9,281         | 4,980         | 4,230      | 367,000                  | 8,967                | 0                       |
| 4         | 3/8/2023  | 98                  | 9,608         | 5,091         | 4,585      | 369,120                  | 8,863                | 0                       |
| 5         | 3/9/2023  | 71.2                | 6,588         | 4,112         | 4,350      | 367,000                  | 10,705               | 0                       |
| 6         | 3/10/2023 | 98                  | 9,409         | 5,526         | 4,230      | 367,000                  | 8,795                | 0                       |
| 7         | 3/10/2023 | 92.1                | 9,633         | 5,478         | 4,458      | 367,000                  | 8,542                | 0                       |
| 8         | 3/10/2023 | 83.9                | 9,693         | 5,725         | 4,000      | 367,000                  | 16,852               | 0                       |
| 9         | 3/12/2023 | 95.8                | 9,626         | 3,520         | 5,400      | 367,000                  | 8,926                | 0                       |
| 10        | 3/13/2023 | 91.1                | 8,957         | 5,896         | 4,320      | 367,000                  | 8,716                | 0                       |
| 11        | 3/14/2023 | 94.1                | 9,917         | 6,420         | 4,388      | 367,000                  | 8,427                | 0                       |
| 12        | 3/14/2023 | 92.9                | 9,036         | 6,507         | 4,239      | 367,000                  | 8,790                | 0                       |
| 13        | 3/14/2023 | 97.8                | 9,261         | 5,911         | 4,214      | 367,000                  | 8,422                | 0                       |
| 14        | 3/15/2023 | 92.2                | 8,678         | 5,768         | 4,366      | 367,000                  | 8,380                | 0                       |
| 15        | 3/15/2023 | 76.4                | 7,670         | 6,156         | 4,652      | 341,240                  | 17,559               | 0                       |
| 16        | 3/17/2023 | 71                  | 9,206         | 6,519         | 4,325      | 1,050                    | 5,613                | 0                       |
| 17        | 3/18/2023 | 93.4                | 8,177         | 5,612         | 4,562      | 367,000                  | 8,209                | 0                       |
| 18        | 3/18/2023 | 77.8                | 7,541         | 5,657         | 4,512      | 367,000                  | 13,099               | 0                       |
| 19        | 3/20/2023 | 94.9                | 8,608         | 5,454         | 4,856      | 367,000                  | 8,562                | 0                       |
| 20        | 3/20/2023 | 97.1                | 8,569         | 5,536         | 4,512      | 367,000                  | 8,475                | 0                       |
| 21        | 3/20/2023 | 96.6                | 8,346         | 5,592         | 4,458      | 367,000                  | 8,182                | 0                       |
| 22        | 3/21/2023 | 97.7                | 8,071         | 4,883         | 4,943      | 367,000                  | 8,149                | 0                       |
| 23        | 3/21/2023 | 98.5                | 8,612         | 5,687         | 4,556      | 367,000                  | 7,958                | 0                       |
| 24        | 3/21/2023 | 95.2                | 8,392         | 5,588         | 5,115      | 367,000                  | 7,986                | 0                       |
| 25        | 3/22/2023 | 94.2                | 8,621         | 5,815         | 4,519      | 367,000                  | 7,879                | 0                       |
| 26        | 3/22/2023 | 97.6                | 9,079         | 5,684         | 4,421      | 367,000                  | 8,018                | 0                       |
| 27        | 3/22/2023 | 94.3                | 8,798         | 5,675         | 4,687      | 367,000                  | 8,416                | 0                       |
| 28        | 3/23/2023 | 98.4                | 8,248         | 5,584         | 4,495      | 367,000                  | 7,896                | 0                       |
| 29        | 3/23/2023 | 95.5                | 8,269         | 4,963         | 4,225      | 367,000                  | 8,386                | 0                       |
| 30        | 3/24/2023 | 92.6                | 8,197         | 5,845         | 4,601      | 367,000                  | 7,905                | 0                       |
| 31        | 3/24/2023 | 97.9                | 7,989         | 6,124         | 4,312      | 367,000                  | 7,905                | 0                       |
| 32        | 3/24/2023 | 95.2                | 8,320         | 2,483         | 4,237      | 367,000                  | 8,040                | 0                       |
| 33        | 3/25/2023 | 99.3                | 8,073         | 2,510         | 4,412      | 367,000                  | 7,867                | 0                       |
| 34        | 3/25/2023 | 95.6                | 8,298         | 2,451         | 5,329      | 367,000                  | 8,038                | 0                       |
| 35        | 3/26/2023 | 95                  | 8,131         | 2,860         | 4,851      | 367,000                  | 7,828                | 0                       |
| 36        | 3/26/2023 | 94.9                | 8,079         | 5,435         | 4,405      | 367,000                  | 7,753                | 0                       |
| 37        | 3/26/2023 | 95.2                | 8,429         | 2,864         | 4,352      | 367,000                  | 7,955                | 0                       |
| 38        | 3/27/2023 | 94.1                | 8,425         | 2,788         | 4,356      | 367,000                  | 7,807                | 0                       |
| 39        | 3/27/2023 | 97.6                | 8,364         | 2,717         | 4,362      | 367,000                  | 7,813                | 0                       |
| 40        | 3/27/2023 | 94.8                | 8,495         | 2,746         | 4,336      | 367,000                  | 7,715                | 0                       |
| 41        | 3/28/2023 | 95.1                | 8,366         | 2,813         | 4,825      | 367,000                  | 7,703                | 0                       |
| 42        | 3/28/2023 | 98.8                | 7,978         | 2,788         | 4,701      | 367,000                  | 7,712                | 0                       |
| 43        | 3/28/2023 | 94.7                | 8,103         | 5,203         | 4,626      | 367,000                  | 7,590                | 0                       |
| 44        | 3/29/2023 | 96.6                | 8,080         | 2,904         | 4,881      | 367,000                  | 7,867                | 0                       |
| 45        | 3/29/2023 | 99                  | 7,991         | 2,755         | 4,543      | 367,000                  | 7,730                | 0                       |
| 46        | 3/29/2023 | 97.8                | 7,641         | 4,867         | 4,410      | 367,000                  | 7,946                | 0                       |
| 47        | 3/29/2023 | 90.5                | 8,432         | 2,978         | 4,300      | 367,000                  | 7,774                | 0                       |
| 48        | 3/30/2023 | 95.4                | 7,164         | 2,458         | 4,236      | 367,000                  | 7,694                | 0                       |
| 49        | 3/30/2023 | 90.5                | 9,179         | 5,863         | 4,288      | 367,000                  | 7,831                | 0                       |
| 50        | 3/30/2023 | 96.6                | 7,844         | 2,433         | 4,452      | 367,000                  | 7,639                | 0                       |
| 51        | 3/31/2023 | 97.9                | 7,249         | 2,665         | 5,485      | 367,000                  | 7,757                | 0                       |
| 52        | 3/31/2023 | 95.4                | 7,254         | 2,960         | 4,562      | 367,000                  | 7,682                | 0                       |
| 53        | 3/31/2023 | 74.1                | 6,082         | 2,789         | 4,339      | 369,070                  | 9,552                | 0                       |

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ROTH OHI 10H  
ATTACHMENT 2  
STIM REPORT

| STAGE NUM | Stim Date | Ave Pump Rate (BPM) | Ave Treatment | Max Breakdown | ISIP (PSI) | Amount of Proppant (lbs) | Amount of water bbls | Amount of nitrogen/other |
|-----------|-----------|---------------------|---------------|---------------|------------|--------------------------|----------------------|--------------------------|
| 54        | 4/1/2023  | 88.5                | 7,343         | 2,501         | 5,086      | 367,000                  | 10,316               | 0                        |
| 55        | 4/1/2023  | 92.5                | 6,982         | 2,807         | 4,456      | 367,000                  | 7,899                | 0                        |
| 56        | 4/2/2023  | 95.6                | 7,422         | 2,771         | 4,328      | 367,000                  | 7,937                | 0                        |
| 57        | 4/2/2023  | 99.2                | 7,164         | 2,901         | 4,452      | 367,000                  | 7,930                | 0                        |
| 58        | 4/2/2023  | 98.4                | 7,345         | 2,540         | 4,431      | 367,000                  | 7,767                | 0                        |
| 59        | 4/2/2023  | 97.2                | 6,941         | 2,841         | 4,632      | 367,000                  | 7,542                | 0                        |
| 60        | 4/3/2023  | 97.2                | 6,999         | 2,827         | 4,215      | 367,000                  | 7,830                | 0                        |
| 61        | 4/3/2023  | 98                  | 7,160         | 2,445         | 5,210      | 367,000                  | 7,750                | 0                        |
| 62        | 4/3/2023  | 96                  | 6,980         | 2,909         | 4,562      | 367,000                  | 7,629                | 0                        |
| 63        | 4/3/2023  | 96.2                | 7,245         | 2,957         | 4,813      | 367,000                  | 7,545                | 0                        |
| 64        | 4/4/2023  | 96.9                | 6,951         | 2,881         | 4,784      | 367,000                  | 7,509                | 0                        |
| 65        | 4/4/2023  | 98                  | 6,981         | 3,045         | 4,528      | 312,000                  | 6,875                | 0                        |
| 66        | 4/4/2023  | 99.9                | 6,810         | 3,045         | 4,325      | 367,000                  | 7,613                | 0                        |
| 67        | 4/4/2023  | 96.4                | 6,722         | 2,760         | 4,487      | 367,000                  | 7,443                | 0                        |
| 68        | 4/5/2023  | 96.9                | 6,532         | 3,022         | 4,515      | 367,000                  | 8,641                | 0                        |
| 69        | 4/5/2023  | 99.9                | 6,819         | 3,000         | 4,585      | 367,000                  | 7,304                | 0                        |
| 70        | 4/5/2023  | 99.9                | 6,608         | 2,985         | 4,352      | 367,000                  | 7,498                | 0                        |
| 71        | 4/5/2023  | 99.3                | 6,481         | 2,755         | 4,422      | 367,000                  | 6,948                | 0                        |
| 72        | 4/6/2023  | 96.4                | 6,943         | 2,650         | 4,685      | 367,000                  | 7,351                | 0                        |

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                |                     |
|--------------------------------|---------------------|
| Job Start Date:                | 3/7/2023            |
| Job End Date:                  | 4/6/2023            |
| State:                         | West Virginia       |
| County:                        | Ohio                |
| API Number:                    | 47-069-00339-00-00  |
| Operator Name:                 | Southwestern Energy |
| Well Name and Number:          | ROTH OHI 10         |
| Latitude:                      | 40.15114980         |
| Longitude:                     | -80.68697702        |
| Datum:                         | NAD83               |
| Federal Well:                  | NO                  |
| Indian Well:                   | NO                  |
| True Vertical Depth:           | 5,741               |
| Total Base Water Volume (gal): | 25,149,414          |
| Total Base Non Water Volume:   | 0                   |



## 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        |
|-------------|--------------|--------------|-------------|--|--|--|-----------------|
| Base Water  | Operator     | Base Fluid   |             |  |  |  |                 |
|             |              |              | Water       | 7732-18-5                                | 100.00000  | 88.66875   | Density = 8.345 |
| Ingredients | Listed Above | Listed Above |             |  |  |  |                 |
|             |              |              | Water       | 7732-18-5                                | 100.00000  | 0.32033  |                 |

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 JUL 10 2023  
 WV Department of  
 Environmental Protection

|  |                   |                     |                            |              |           |          |  |
|--|-------------------|---------------------|----------------------------|--------------|-----------|----------|--|
|  |                   |                     | Water                      | 7732-18-5    | 85.00000  | 0.32033  |  |
|  |                   |                     | Water                      | 7732-18-5    | 45.00000  | 0.32033  |  |
| Sand   | SWN Well Services | Proppant            |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| Tolicide 4Frac   | SWN Well Services | Biocide             |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| Ferriplex 80   | SWN Well Services | Iron Control        |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| Plexaid 655WG  | SWN Well Services | Scale Inhibitor     |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| HCL  | SWN Well Services | Solvent             |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| FSTI-CI-02   | SWN Well Services | Corrosion Inhibitor |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| PLEXSLICK 930  | SWN Well Services | Friction Reducer    |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients. |                   |                     |                            |              |           |          |  |
|  |                   |                     | Crystalline Silica, quartz | 14808-60-7   | 100.00000 | 10.91359 |  |
|  |                   |                     | Hydrochloric Acid          | 7647-01-0    | 15.00000  | 0.04567  |  |

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 10/13/13

|  |  |  |  |            |           |         |  |
|--|--|--|--|------------|-----------|---------|--|
|  |  |  | Tetrakis(Hydroxymethyl) Phosphonium Sulfate                      | 55566-30-8 | 45.00000  | 0.00555 |  |
|  |  |  | Sodium Erythorbate   | 6381-77-7  | 100.00000 | 0.00146 |  |
|  |  |  | Quaternary ammonium compounds                                    | 68424-85-1 | 7.50000   | 0.00092 |  |
|  |  |  | Ethanol  | 64-17-5    | 2.50000   | 0.00031 |  |
|  |  |  | Ethylene glycol  | 107-21-1   | 40.00000  | 0.00017 |  |
|  |  |  | Cinnamaldehyde   | 104-55-2   | 10.00000  | 0.00004 |  |
|  |  |  | N,N-Dimethylformamide  | 68-12-2    | 10.00000  | 0.00004 |  |
|  |  |  | Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- | 9016-45-9  | 10.00000  | 0.00004 |  |
|  |  |  | Isopropyl alcohol  | 67-63-0    | 5.00000   | 0.00002 |  |
|  |  |  | 2-Butoxyethanol  | 111-76-2   | 5.00000   | 0.00002 |  |
|  |  |  | Triethyl phosphate   | 78-40-0    | 5.00000   | 0.00002 |  |
|  |  |  | 1-Decanol  | 112-30-1   | 5.00000   | 0.00002 |  |
|  |  |  | benzyl chloridequaternized                                       | 72480-70-7 | 5.00000   | 0.00002 |  |
|  |  |  | 1-Octanol  | 111-87-5   | 5.00000   | 0.00002 |  |

\* 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%

\*\*\* If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

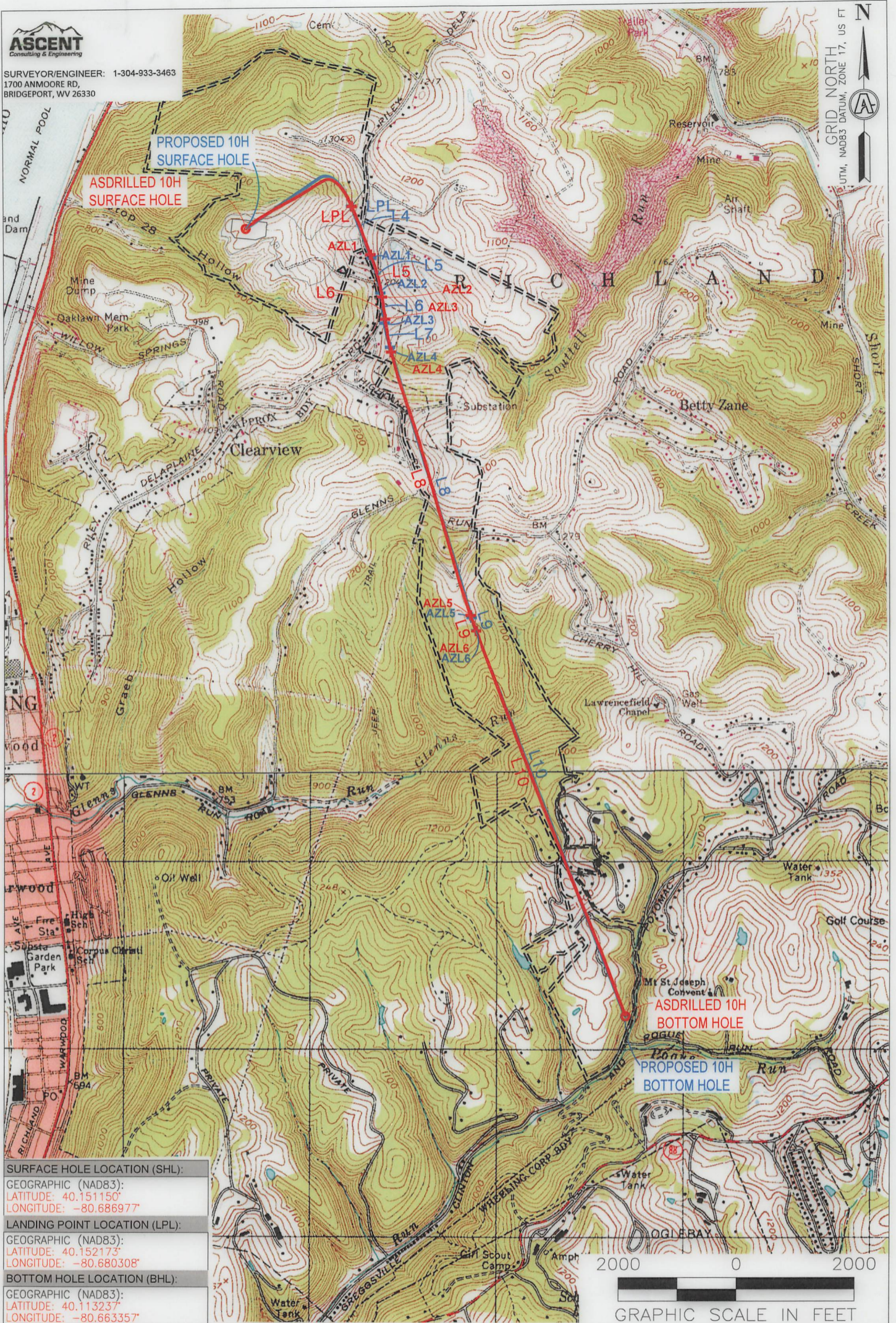
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

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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 Wyoming Department of Energy  
 Environmental Protection



SURVEYOR/ENGINEER: 1-304-933-3463  
1700 ANMOORE RD,  
BRIDGEPORT, WV 26330



**SURFACE HOLE LOCATION (SHL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 40.151150°  
LONGITUDE: -80.686977°

**LANDING POINT LOCATION (LPL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 40.152173°  
LONGITUDE: -80.680308°

**BOTTOM HOLE LOCATION (BHL):**  
GEOGRAPHIC (NAD83):  
LATITUDE: 40.113237°  
LONGITUDE: -80.663357°



**NOTES ON SURVEY**

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- 3.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊙ EXISTING / PRODUCING WELLHEAD
- LPL ✕ LANDING POINT LOCATION
- ⊙ EXISTING WATER WELL
- ⊙ EXISTING SPRING
- SURVEYED BOUNDARY
- == LEASE BOUNDARY
- ASDRILLED PATH
- PROPOSED PATH
- DHP BUFFER

09/22/2023

|   |  |                       |                  |
|---|--|-----------------------|------------------|
| WELL OPERATOR:<br>SWN PRODUCTION COMPANY, LLC   | WELL (FARM) NAME:<br><b>ROTH OHI</b>           | WELL #<br><b>10H</b>  | SERIAL #<br>XXXX |
| ADDRESS:<br>1300 FORT PIERPONT DRIVE, SUITE 201 | COUNTY - CODE<br>OHIO - 35                     | DISTRICT;<br>RICHLAND |                  |
| SURFACE OWNER:<br>ROTH FARMS, LLC               | USGS 7 1/2 QUADRANGLE MAP NAME<br>TILTONSVILLE | API:<br>47-069-00339  |                  |

LATITUDE: 40°10'00" SURFACE HOLE 5,676'  
 BOTTOM HOLE 10,725'

**ASCENT** SURVEYOR/ENGINEER:  
 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330

**SURFACE HOLE LOCATION (SHL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,444,580.547  
 EASTING: 526,660.563

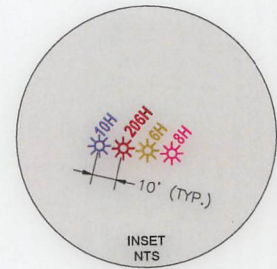
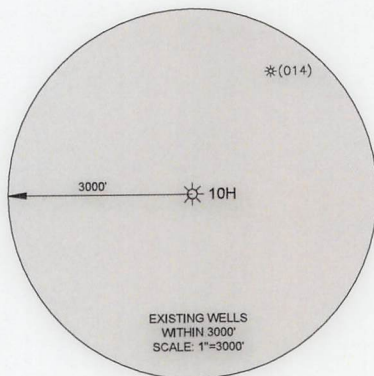
**LANDING POINT (LPL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,444,696.109  
 EASTING: 527,228.150

**BOTTOM HOLE LOCATION (BHL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,440,379.882  
 EASTING: 528,688.267

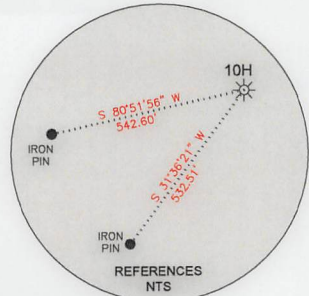
**SURFACE HOLE LOCATION (SHL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,444,580.504  
 EASTING: 526,660.831

**LANDING POINT (LPL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,444,698.974  
 EASTING: 527,226.568

**BOTTOM HOLE LOCATION (BHL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,440,379.379  
 EASTING: 528,686.490



BOTTOM HOLE 4,285'  
 SURFACE HOLE 5,652'  
 LONGITUDE: 80°40'00"



| LINE | BEARING       | DISTANCE | DESCRIPTION     | MONUMENT        |
|------|---------------|----------|-----------------|-----------------|
| L1   | N 87°54'34" E | 1726.93' | SHL TO MONUMENT | 5/8" IRON REBAR |
| L2   | N 70°46'03" E | 1796.87' | SHL TO MONUMENT | 1" IRON PIPE    |
| LINE | BEARING       | DISTANCE | DESCRIPTION     | MONUMENT        |
| L1   | N 87°54'14" E | 1726.06' | SHL TO MONUMENT | 5/8" IRON REBAR |
| L2   | N 70°45'14" E | 1796.08' | SHL TO MONUMENT | 1" IRON PIPE    |

| LINE | BEARING       | DISTANCE | CURVE LENGTH | DESCRIPTION  |
|------|---------------|----------|--------------|--------------|
| L3   | N 78°29'30" E | 1900.37' | 2374.52'     | SHL TO LPL   |
| L4   | S 21°09'57" E | 906.33'  | 906.33'      | LPL TO AZL1  |
| L5   | S 15°00'14" E | 764.71'  | 766.19'      | AZL1 TO AZL2 |
| L6   | S 08°08'13" E | 386.74'  | 386.74'      | AZL2 TO AZL3 |
| L7   | S 10°06'56" E | 581.03'  | 581.15'      | AZL3 TO AZL4 |
| L8   | S 16°41'27" E | 4822.25' | 4822.25'     | AZL4 TO AZL5 |
| L9   | S 20°17'30" E | 289.76'  | 289.95'      | AZL5 TO BHL  |
| L10  | S 21°17'20" E | 7224.25' | 7224.25'     | AZL6 TO BHL  |
| LINE | BEARING       | DISTANCE | CURVE LENGTH | DESCRIPTION  |
| L3   | N 78°10'22" E | 1896.35' | 2411.36'     | SHL TO LPL   |
| L4   | S 20°36'10" E | 983.24'  | 983.24'      | LPL TO AZL1  |
| L5   | S 14°20'26" E | 624.66'  | 625.91'      | AZL1 TO AZL2 |
| L6   | S 08°04'47" E | 528.06'  | 528.06'      | AZL2 TO AZL3 |
| L7   | S 12°23'28" E | 430.69'  | 431.10'      | AZL3 TO AZL4 |
| L8   | S 16°42'18" E | 4947.90' | 4947.90'     | AZL4 TO AZL5 |
| L9   | S 18°58'59" E | 227.74'  | 227.80'      | AZL5 TO AZL6 |
| L10  | S 21°15'47" E | 7241.36' | 7241.36'     | AZL6 TO BHL  |

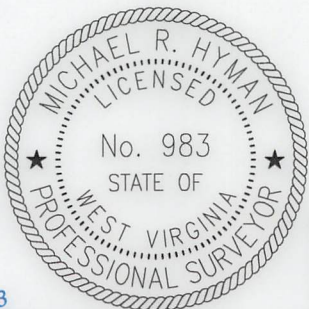
**WELL RESTRICTIONS**

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

**NOTES ON SURVEY**

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE WV NORTH ZONE NAD '83.
2. WELL LAT./LONG ESTABLISHED BY DIRECT GPS NAD '83.
3. BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
4. SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF OHIO COUNTY IN OCTOBER OF 2021.
5. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



P.S. 983 *Michael R. Hyman* 06-14-2023

COMPANY: **SWN** Production Company™

STATE OF WEST VIRGINIA  
 UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)

COMPANY: **ROTH OHI**  
 OPERATOR'S WELL #: 10H  
 API WELL #: 47 069 00339  
 STATE COUNTY PERMIT

WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW

WATERSHED: UPPER OHIO-WHEELING ELEVATION: 1003.9'

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONSVILLE 7.5', OH

SURFACE OWNER: ROTH FARMS, LLC ACREAGE: ±118.93

OIL & GAS ROYALTY OWNER: ROTH FARMS, LLC ACREAGE: ±118.93

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 509/22/2023 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY  
 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201  
 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:  
 ○ PROPOSED SURFACE HOLE / BOTTOM HOLE  
 \* EXISTING / PRODUCING WELLHEAD  
 LPL \* LANDING POINT LOCATION  
 W EXISTING WATER WELL  
 S EXISTING SPRING

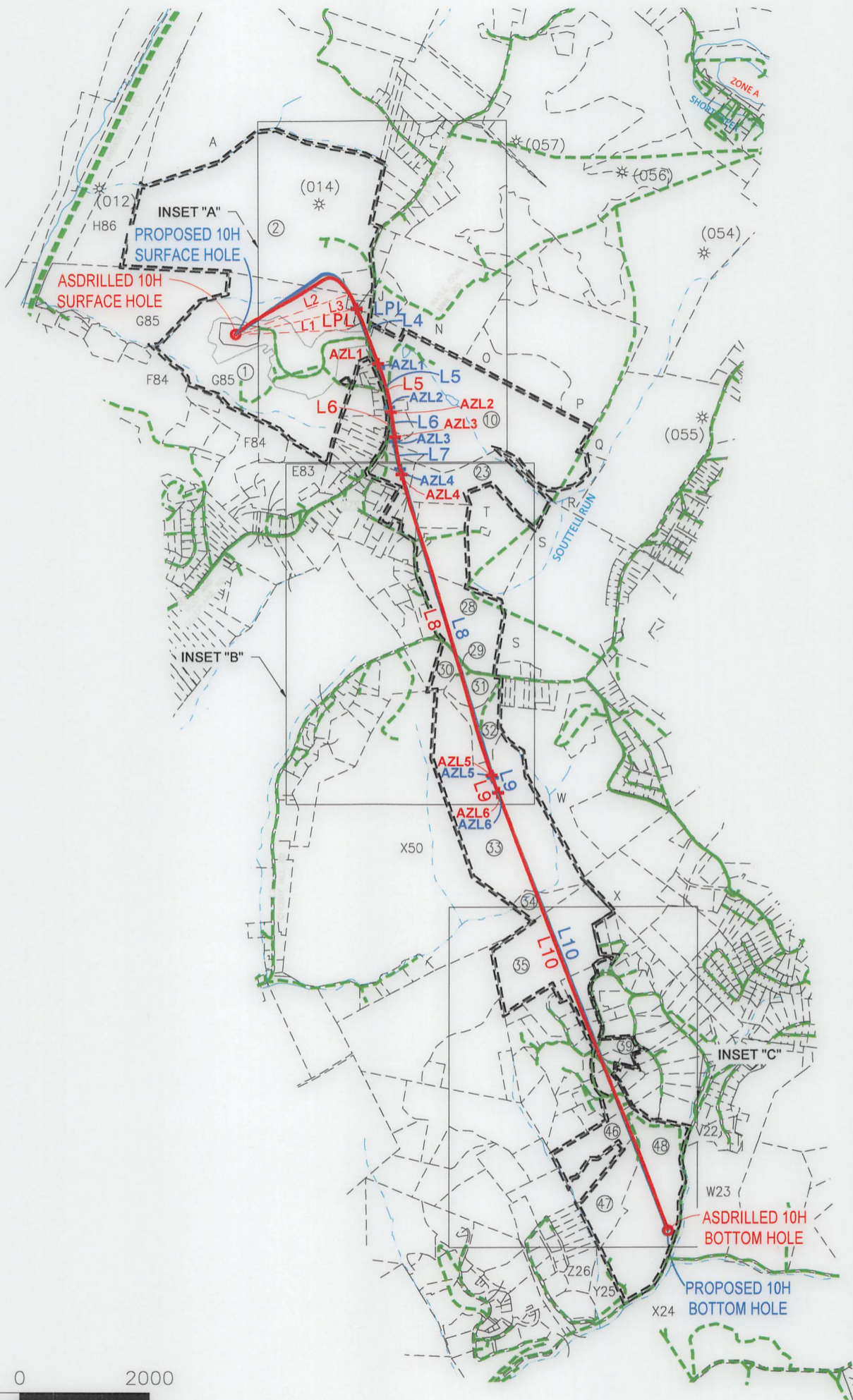
— SURVEYED BOUNDARY  
 — DRILLING UNIT  
 = = = LEASE BOUNDARY  
 — ASDRILLED PATH  
 — PROPOSED PATH  
 — DHP BUFFER

REVISIONS:  
 DATE: 06-14-2023  
 FILE NO:  
 DRAWN BY: TMF  
 SCALE: 1" = 2000'  
 DRAWING NO: 2598  
 WELL LOCATION PLAT 1

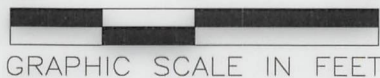


SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330

GRID NORTH  
 US FT  
 UTM, NAD83 DATUM, ZONE 17,



2000 0 2000

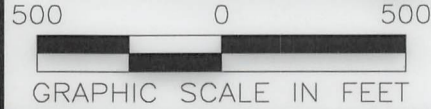


09/22/2023

|            |            |          |              |                      |
|------------|------------|----------|--------------|----------------------|
| REVISIONS: | COMPANY:   |          |              |                      |
|            | OPERATOR'S | ROTH OH  | API:         | DATE: 06/14/2023     |
|            | WELL #:    | 10H      | 47-069-00339 | DRAWN BY: TMF        |
|            | DISTRICT:  | RICHLAND | STATE:       | SCALE: 1"=2000'      |
|            | COUNTY:    | OHIO     | WV           | DRAWING NO: ACE-2598 |
|            |            |          |              | WELL LOCATION PLAT 2 |



SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330



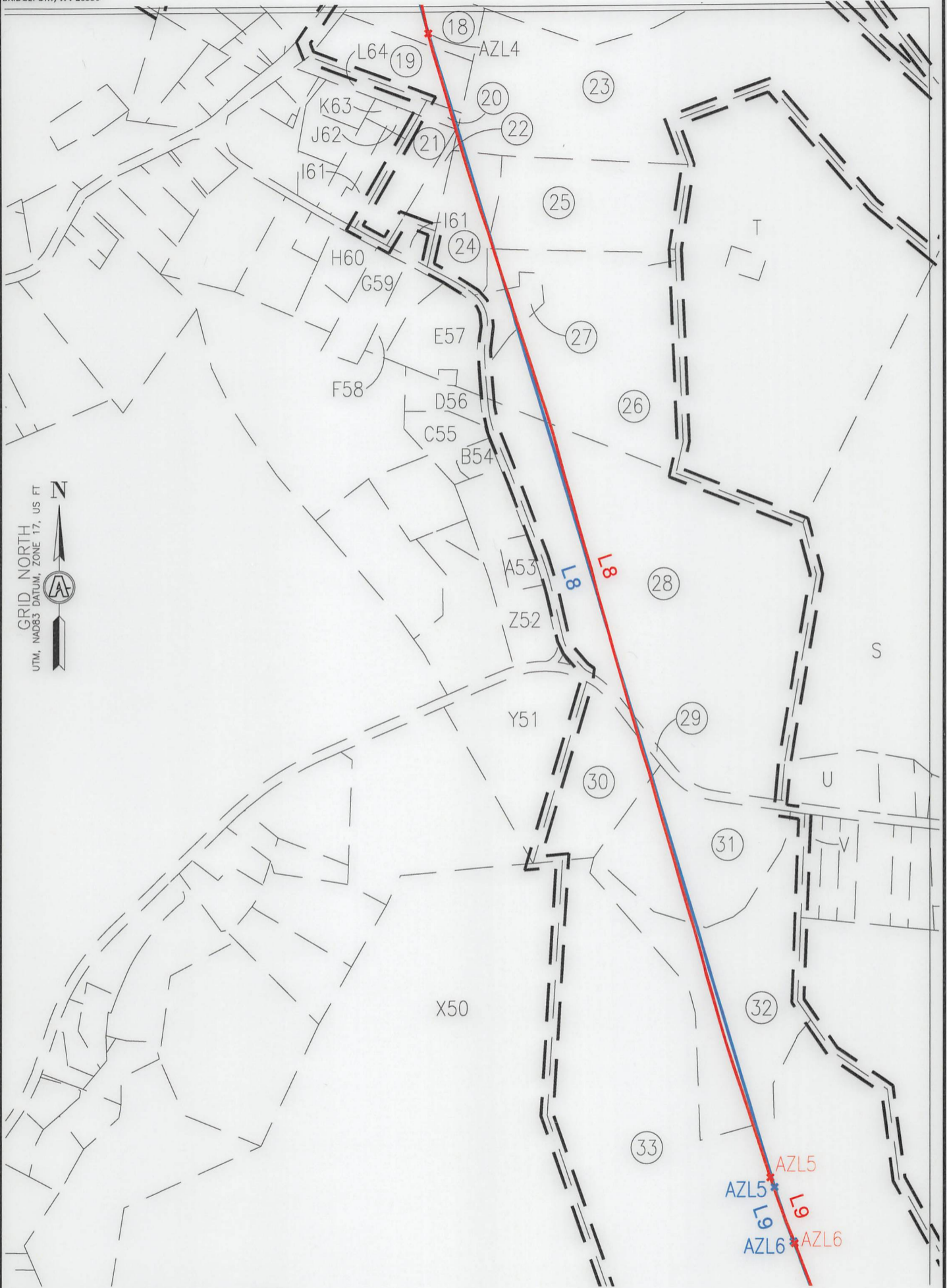
INSET "A"

09/22/2023

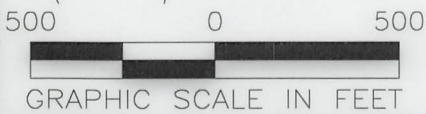
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|------------|--|----------|--|----------------------|--|
| REVISIONS: |  | COMPANY: |  |                      |  |
|            |  |          |  |                      |  |
| OPERATOR'S |  | ROTH OHI |  | API:                 |  |
| WELL #:    |  | 10H      |  | 47-069-00339         |  |
| DISTRICT:  |  | COUNTY:  |  | STATE:               |  |
| RICHLAND   |  | OHIO     |  | WV                   |  |
|            |  |          |  | DATE: 06/14/2023     |  |
|            |  |          |  | DRAWN BY: TMF        |  |
|            |  |          |  | SCALE: 1"=500'       |  |
|            |  |          |  | DRAWING NO: ACE-2598 |  |
|            |  |          |  | WELL LOCATION PLAT 3 |  |



SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD.  
 BRIDGEPORT, WV 26330



GRID NORTH  
 UTM, NAD83 DATUM, ZONE 17, US FT



INSET "B"

09/22/2023

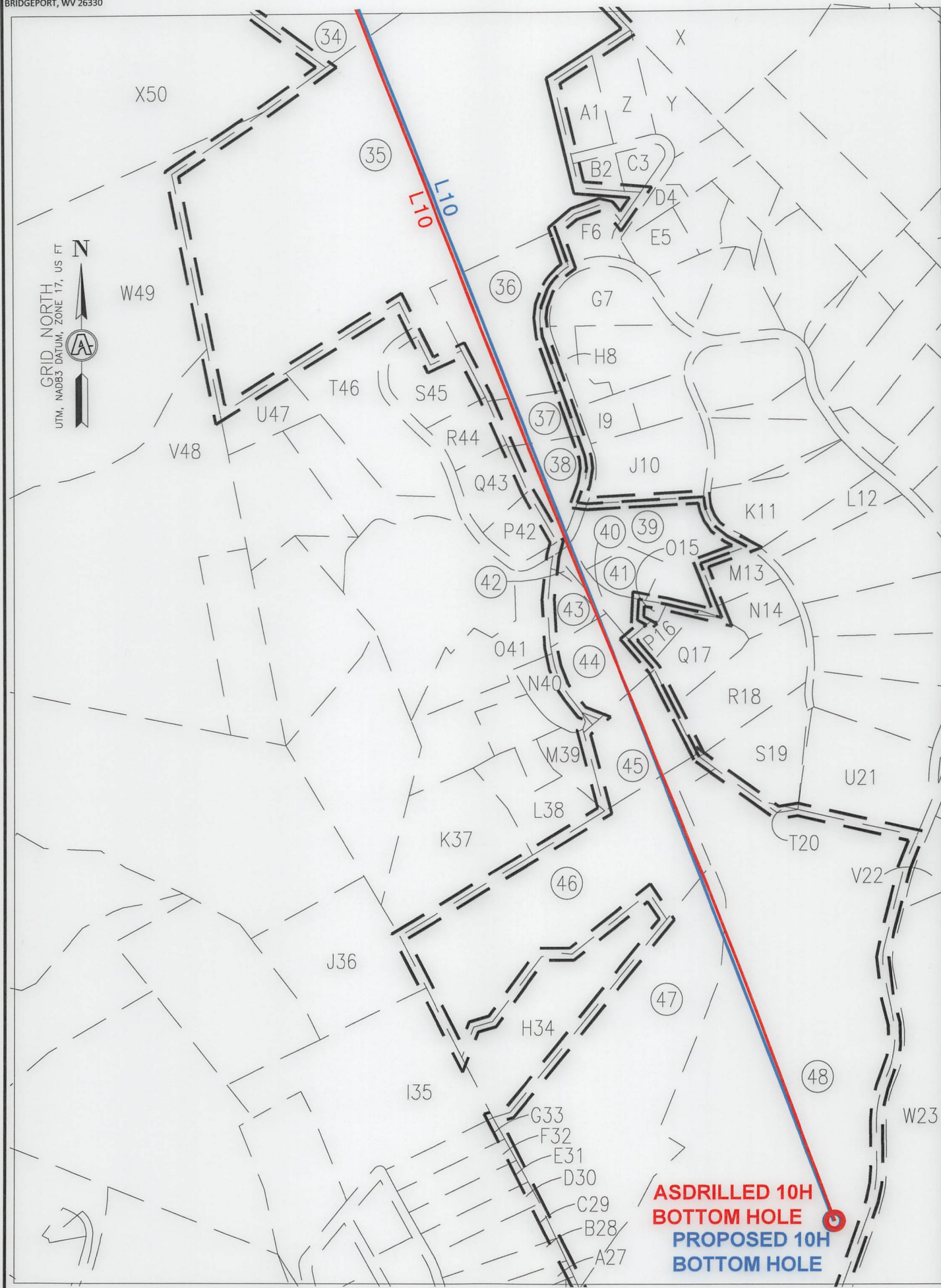
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| REVISIONS: |
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| COMPANY:   |          |                      |                      |
| OPERATOR'S | ROTH OHI | API:                 | DATE: 06/14/2023     |
| WELL #:    | 10H      | 47-069-00339         | DRAWN BY: TMF        |
| DISTRICT:  | COUNTY:  | STATE:               | SCALE: 1"=500'       |
| RICHLAND   | OHIO     | WV                   | DRAWING NO: ACE-2598 |
|            |          | WELL LOCATION PLAT 4 |                      |





SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330



INSET "C"

09/22/2023

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| REVISIONS: |          | COMPANY:             |                      |
|            |          |                      |                      |
|            |          |                      |                      |
| OPERATOR'S | ROTH OHI | API:                 | DATE: 06/14/2023     |
| WELL #:    | 10H      | 47-069-00339         | DRAWN BY: TMF        |
| DISTRICT:  | COUNTY:  | STATE:               | SCALE: 1"=500'       |
| RICHLAND   | OHIO     | WV                   | DRAWING NO: ACE-2598 |
|            |          | WELL LOCATION PLAT 5 |                      |



SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330

| WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS |  |                  |
|--|--|------------------|
| TRACT                                      | SURFACE OWNER ( S )/ROYALTY OWNER ( R )                      | TAX PARCEL       |
| 1  | ROTH FARMS, LLC ( S )/ROTH FARMS, LLC ( R )                  | 4-R7-24          |
| TRACT                                      | SURFACE OWNER (S)  | TAX PARCEL       |
| 2  | MCCLURE WM H & MARG A  | 4-R4-07          |
| 3  | MCCLURE WM H & MARGARET A                                    | 4-R7-26.1        |
| 4  | LEFKAY SCOTT A & TRACY L                                     | 4-R8-2.3         |
| 5  | FELDNER CHARLENE M - TOD                                     | 4-R8-2.1         |
| 6  | CALDWELL SHANE J & CALDWELL SUZANNE M                        | 4-R7-24.1        |
| 7  | CALDWELL SUZANNE & SHANE                                     | 4-R7-24.2        |
| 8  | OLEJASZ JR JOSEPH R OLEJASZ JR SR & G (RT-OCC)               | 4-R8-2.2         |
| 9  | MCKEE JAMES F JR & EILEEN B                                  | 4-R8-77          |
| 10   | TUNNEL RIDGE LLC   | 4-R8-4.18        |
| 11   | BAKER STEVEN P (LE); STEVEN P BAKER ET AL                    | 4-R8-4           |
| 12   | BROWN CHAD & YEKATERINA                                      | 4-R8-4.17        |
| 13   | BROWN CHAD & YEKATERINA                                      | 4-R8-4.19        |
| 14   | KINNEER VERNON A JR & CARLA C                                | 2-CV1-7          |
| 15   | KINNEER VERNON A JR & CARLA C                                | 2-CV1-8          |
| 16   | BAKER VINCENT L  | 2-CV1-9          |
| 17   | BAKER VINCENT L  | 2-CV1-6          |
| 18   | TRACY JOHN A & MARY ANN E                                    | 2-CV4-21         |
| 19   | TRACY JOHN A & MA  | 2-CV4-21.3       |
| 20   | STANLEY GEORGE DAVID STANLEY SUSAN M                         | 2-CV4-8.1        |
| 21   | STANLEY GEORGE D & SUSAN M                                   | 2-CV4-14.1       |
| 22   | STANLEY GEORGE DAVID AND SUSAN                               | 2-CV4-14.2       |
| 23   | CRAFT JOSEPH W III FOUNDATION                                | 4-R8-63.2        |
| 24   | TUNNEL RIDGE LLC   | 2-CV4-15.2       |
| 25   | TUNNEL RIDGE LLC   | 4-R8-63          |
| 26   | TUNNEL RIDGE LLC   | 2-CV4-15         |
| 27   | KING CHARLES R JR & B M                                      | 2-CV4-15.1       |
| 28   | TUNNEL RIDGE LLC   | 4-R8-67          |
| 29   | STATE OF WEST VIRGINIA, DEPARTMENT OF TRANSPORTATION         | CHERRY HILL ROAD |
| 30   | MEREDITH DONALD R II AND J K                                 | 4-R8-69.3        |
| 31   | MEREDITH RICHARD T AND S F                                   | 4-R8-69          |
| 32   | FROME STEPHEN D & REBECCA T-LE FROME S & R IRREVOCABLE TRUST | 4-R8-69.2        |
| 33   | MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC        | 4-R8-52          |
| 34   | MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC        | 4-R11-11         |
| 35   | PENN HOLDING LIMITED LIABILITY COMPANY                       | 4-R11-6.3        |
| 36   | NEIS THOMAS  | 4-R11-6.2        |
| 37   | BROWN GEOFFREY C & ELIZABETH W                               | 4-R11K-4.1       |
| 38   | BROWN GEOFFREY C & ELIZABETH W                               | 4-R11K-4         |
| 39   | HOBBS ROLAND L   | 4-R11K-10        |
| 40   | GEORGES NANCY A  | 4-R11K-10.3      |
| 41   | MEAD ARMINA S  | 4-R11K-10.2      |
| 42   | GEORGES NANCY A  | 4-R11K-38.1      |
| 43   | WARD JEREMY D & KAUFMAN AMANDA J                             | 4-R11K-38        |
| 44   | GEORGES NANCY A  | 4-R11-6.6        |
| 45   | YURKO JENNIFER G & KARLE                                     | 4-R11P-4         |
| 46   | BLISS CHARLIE A SR BLISS MARY ELLEN                          | 4-R14-90.2       |
| 47   | JONES WILBUR S JR AND JEFFERSON JOYCE P                      | 4-R14-90.1       |
| 48   | JONES WILBUR S JR JEFFERSON JOYCE P                          | 4-R14-90         |

09/22/2023

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|            | WELL #:    | 10H      | 47-069-00339 | DRAWN BY: TMF        |
|            | DISTRICT:  | COUNTY:  | STATE:       | SCALE: N/A           |
|            | RICHLAND   | OHIO     | WV           | DRAWING NO: ACE-2598 |
|            |            |          |              | WELL LOCATION PLAT 6 |



SURVEYOR/ENGINEER: 1-304-933-3463  
 1700 ANMOORE RD,  
 BRIDGEPORT, WV 26330

| ADJOINING OWNERS TABLE |  |             |
|------------------------|--|-------------|
| TRACT                  | SURFACE OWNER(S)   | TAX PARCEL  |
| A                      | HEART 2 HEART VOLUNTEERS INC                                 | 4-R4-05     |
| B                      | BOYD ROBERT JEFFREY & CHERYL L                               | 4-R5-24     |
| C                      | OLEJASZ JOSEPH R JR  | 4-R5-34     |
| D                      | OLEJASZ JOSEPH R JR  | 4-R5-35     |
| E                      | KUCERA CARL J & SHARON L                                     | 4-R5-35.2   |
| F                      | PAVELICH-SWIGER SHERRI J PAVELICH JEFFREY M                  | 4-R5-35.1   |
| G                      | WEIGAND PAUL & REBECCA FAMILY TRUST                          | 4-R5-40.1   |
| H                      | SCHELL RICHARD A & N   | 4-R8-1.1    |
| I                      | HABERFIELD WAYNE K & D A                                     | 4-R8-1      |
| J                      | SCHUETZ EBBIE JOSEPH & JOY                                   | 4-R8-3      |
| K                      | MCKEE JAMES F JR & EILEEN B                                  | 4-R8-4.14   |
| L                      | MCKEE JAMES & EILEEN   | 4-R8-4.15   |
| M                      | MCKEE JAMES & EILEEN   | 4-R8-4.16   |
| N                      | TUNNEL RIDGE LLC   | 4-R8-3.2    |
| O                      | TUNNEL RIDGE LLC   | 4-R5-4.7    |
| P                      | CRAFT JOSEPH W III FOUNDATION                                | 4-R8-3.1    |
| Q                      | CRAFT JOSEPH W III FOUNDATION                                | 4-R8-5      |
| R                      | CRAFT JOSEPH W III FOUNDATION                                | 4-R8-4.13   |
| S                      | CRAFT JOSEPH W III FOUNDATION                                | 4-R8-51     |
| T                      | TUNNEL RIDGE LLC   | 4-R8-79     |
| U                      | SMITH W EVERETT & JOLINDA STEINER                            | 4-R8N-14    |
| V                      | KOEGLER BRUCE M & A L  | 4-R8N-1     |
| W                      | MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC        | 4-R8-53     |
| X                      | JONES ROBERT E MD INC  | 4-R11-16.3  |
| Y                      | CUCHTA B WILLIAM III & REBECCA                               | 4-R11-6.9   |
| Z                      | CUNNINGHAM H SCOTT & SALLY A                                 | 4-R11-6.10  |
| A1                     | BLOSSER SCOTT A AND LAURA R                                  | 4-R11-6.12  |
| B2                     | REISINGER JAMES J & BARBARA J                                | 4-R11-6.11  |
| C3                     | WURZBACHER JOHN J & ROXANNE B                                | 4-R11-6.8   |
| D4                     | SERENITY RD PERSONAL RESIDENCE TRUST-GEARY RICHARD C JR TTEE | 4-R11-6.13  |
| E5                     | GULLO GAYE R   | 4-R11K-24.3 |
| F6                     | FAMILY TRUST OF JOHN R & AGNES T ARSLAIN (TRUSTEES)          | 4-R11K-34   |
| G7                     | DEARTH JOHN EDW & P C  | 4-R11K-6    |
| H8                     | BRUHN JAMES B AND KAREN A                                    | 4-R11K-7    |
| I9                     | KHOUREY LOUIS H & C A  | 4-R11K-8    |
| J10                    | HOBBS ROLAND L   | 4-R11K-9    |
| K11                    | SPENCER THOMAS W & CATHERINE K                               | 4-R11K-19   |
| L12                    | SPENCER THOMAS W & CATHERINE K                               | 4-R11K-19.1 |
| M13                    | BUSH STEVEN & LAURA  | 4-R11K-14   |
| N14                    | BELANCIC ERIC J  | 4-R11K-15   |
| O15                    | MAXWELL WILLIAM E CARO VERA ANN                              | 4-R11K-10.4 |
| P16                    | MCCAMIC JEREMY C & L T                                       | 4-R11K-10.1 |
| Q17                    | MCCAMIC JEREMY C & L T                                       | 4-R11K-11   |
| R18                    | BORDAS LINDA M   | 4-R11K-12   |
| S19                    | BORDAS LINDA M   | 4-R11P-1    |
| T20                    | BORDAS LINDA M   | 4-R11P-1.1  |
| U21                    | FITZSIMMONS ROBERT J   | 4-R11P-3    |
| V22                    | CARPENTER DAVID & KATHERINE R                                | 4-R11-21.9  |
| W23                    | SISTERS OF ST JOSEPH OF WHEELING INC                         | 4-R11-21    |
| X24                    | CITY OF WHEELING   | 4-R14-15    |
| Y25                    | HARROLD PAMELA SUE C/O GC&P ANIMAL HOSPITAL INC              | 4-R14-6     |
| Z26                    | BAUER ROY D & GISELE M                                       | 4-R14-5     |

| ADJOINING OWNERS TABLE |   |            |
|------------------------|---|------------|
| TRACT                  | SURFACE OWNER(S)                                      | TAX PARCEL |
| A27                    | BAUER ROY D & GISELE                                  | 4-R14-4.4  |
| B28                    | BAUER ROY D & GISELE                                  | 4-R14-4    |
| C29                    | FUTEY JR PAUL B AND DEBRA L                           | 4-R14-4.3  |
| D30                    | SLIVCHENKO VADIM & OLENA                              | 4-R14-2.1  |
| E31                    | SLIVCHENKO VADIM & OLENA                              | 4-R14-2    |
| F32                    | HAND SCOTT A & CORRIE J                               | 4-R14-3.1  |
| G33                    | HAND SCOTT A & CORRIE J                               | 4-R14-3    |
| H34                    | JONES WILBUR S JR JEFFERSON JOYCE P                   | 4-R14-90.3 |
| I35                    | HAND SCOTT A & CORRIE J                               | 4-R11-2    |
| J36                    | MANNING JACOB A & ADRIANNE L                          | 4-R11-2.8  |
| K37                    | SHATS DANIEL & LISA                                   | 4-R11P-5.4 |
| L38                    | SHATS DANIEL & LISA                                   | 4-R11P-5.5 |
| M39                    | SIMMONS KIMBERLY A                                    | 4-R11P-5.2 |
| N40                    | GEBHARDT YURKO JENNIFER TODD                          | 4-R11P-5.8 |
| O41                    | BLOCH S STEPHENSON                                    | 4-R11P-5.7 |
| P42                    | WETZEL ROBERT & LAURA L                               | 4-R11K-3   |
| Q43                    | BISCHOF DEBORAH L & LEE                               | 4-R11K-2   |
| R44                    | TURAK JONATHAN E & R                                  | 4-R11K-1.1 |
| S45                    | TURAK JONATHAN E & ROSELYN                            | 4-R11K-1   |
| T46                    | KURTZ PENN L & J S                                    | 4-R11-6.1  |
| U47                    | KURTZ PENN L & JEAN S                                 | 4-R11-6.14 |
| V48                    | GOLDEN CHRISTOPHER SCOTT BRANDACE LYNN                | 4-R11-2.13 |
| W49                    | GOLDEN CHRISTOPHER SCOTT GOLDEN BRANDACE LYNN         | 4-R11-2.4  |
| X50                    | MARY ANN HESS REALTY LLC C/O HANNIG & ASSOCIATES PLLC | 4-R10-31   |
| Y51                    | MEREDITH DONALD R II AND JULIE                        | 4-R8-69.1  |
| Z52                    | DUYMICH JENNIFER L & DAVID                            | 4-R8-66    |
| A53                    | KARNELL WILLIAM H & JENNIFER                          | 4-R8-66.1  |
| B54                    | AUTEN GERALD R JR & GRACE A                           | 4-R8-65    |
| C55                    | JOHN JOSEPH J & KAREN M                               | 4-R8-65.2  |
| D56                    | RCK 2 GROUP LLC ATTN KAYLEEN FITZSIMMONS              | 4-R8-64    |
| E57                    | KIMPEL TODD E & JOYCE E                               | 2-CV4-16   |
| F58                    | KNUTH MARK A & J M                                    | 2-CV4-16.1 |
| G59                    | WELLS CAROLE C  | 2-CV4-17.1 |
| H60                    | CZAHOROSKI MELISSA DANIELLE                           | 2-CV4-17.3 |
| I61                    | MCKENZIE SEAN Z & KRISTI L                            | 2-CV4-14   |
| J62                    | GUZZI COREY A & BRITTANY N                            | 2-CV4-13.1 |
| K63                    | TUNNEL RIDGE LLC                                      | 2-CV4-12.1 |
| L64                    | TUNNEL RIDGE LLC                                      | 2-CV4-8    |
| M65                    | QUINN JOHN THOMAS                                     | 2-CV4-7    |
| N66                    | SHEARER PHILLIP G & CINDY M                           | 2-CV1-1    |
| O67                    | ROGERSON BENTON L SR & K S                            | 2-CV1-2    |
| P68                    | DANEHART CHARLES D & JO ANN                           | 2-CV1-3    |
| Q69                    | TOMAC ROBERT C JR                                     | 2-CV1-4    |
| R70                    | CLEGG R E & J L                                       | 2-CV1-5    |
| S71                    | CLEGG GARY T & M V                                    | 2-CV1-5.1  |
| T72                    | CLEGG GARY T & MARY W                                 | 2-CV1-5.2  |
| U73                    | BROWN HARCE M & JENNIFER J                            | 4-R8-4.1   |
| V74                    | FEDORKE M PATRICIA                                    | 4-R8-4.2   |
| W75                    | FACEMIRE JAMES G                                      | 4-R8-4.3   |
| X76                    | CLARK JOHN M & B C                                    | 4-R8-4.11  |
| Y77                    | MACKEY JOHN E & DIANNA L                              | 4-R8-4.4   |
| Z78                    | SMILA FRANK W JR & KELLY L                            | 4-R8-4.12  |
| A79                    | GRASKI DONNA M; GRASKI MICHAEL & GRASKI TIFFANY L     | 4-R8-4.6   |
| B80                    | HELDEFFER GEORGE W                                    | 4-R8-4.7   |
| C81                    | KUCERA LISA A   | 4-R8-4.8   |
| D82                    | CALDWELL SHANE AND SUZANNE                            | 4-R8-78    |
| E83                    | FEDORKE AARON P & TIMOTHY J                           | 2-CV4-3    |
| F84                    | CITY OF WHEELING                                      | 4-R7-18    |
| G85                    | EDGE ALICE MAE - TOD                                  | 4-R7-23    |
| H86                    | DONOHEW WILLIAM SCOTT & LAURA                         | 4-R4-2.4   |

09/22/2023

|            |            |          |              |                      |
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|            | WELL #:    | 10H      | 47-069-00339 | DRAWN BY: TMF        |
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|            | RICHLAND   | OHIO     | WV           | DRAWING NO: ACE-2598 |
|            |            |          |              | WELL LOCATION PLAT 7 |