

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 26 2022

WV Department of  
Environmental Protection

API 47 - 069 - 00337 County OHIO District TRIADELPHIA  
Quad WHEELING, WV Pad Name TIMMY MINCH-OHI-PAD1 Field/Pool Name PANHANDLE FIELD WET  
Farm name SWN PRODUCTION COMPANY, LLC Well Number TIMMY MINCH OHI 210H  
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 4,437,282.412 Easting 530,164.934  
Landing Point of Curve Northing 4,437,293.520 Easting 530,295.569  
Bottom Hole Northing 4,433,712.558 Easting 532,154.916

Elevation (ft) 1208.2' 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 4/7/2022 Date drilling commenced 6/21/2022 Date drilling ceased 7/5/2022  
Date completion activities began 8/8/2022 Date completion activities ceased 9/11/2022  
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 306' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 638' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 519' Cavern(s) encountered (Y/N) depths \_\_\_\_\_  
Is coal being mined in area (Y/N) N

**APPROVED**

Reviewed by:  
  
12-13-2022  
**12/16/2022**

API 47-069 - 00337 Farm name SWN PRODUCTION COMPANY, LLC Well number TIMMY MINCH OHI 210H

| 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      | 556    | NEW         | J-55/48#    | 451.5' / 431.1' | Y; 14 BBLS   |
| Coal                      | SEE SURFACE CSG |             |        |             |             |                 |  |
| Intermediate 1            | 12.25           | 9.625       | 1,906  | NEW         | K-55/36#    |                 | Y; 36 BBLS   |
| Intermediate 2            | 12.25           | 9.625       |        |             |             |                 |  |
| Intermediate 3            |                 |             |        |             |             |                 |  |
| Production                | 8.75/8.50       | 5.5         | 19,857 | NEW         | P-110/20#   |                 | N  |
| Tubing                    |                 | 2.875       | 6546   | NEW         | P-110/6.5#  |                 | N  |
| Packer type and depth set |                 |             |        |             |             |                 |  |

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

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| CEMENT DATA    | Class/Type of Cement | Number of Sacks  | Slurry wt (ppg) | Yield (ft <sup>3</sup> /sks) | Volume (ft <sup>3</sup> ) | WV Department of Environmental Protection |           |
|----------------|----------------------|------------------|-----------------|------------------------------|---------------------------|---|-----------|
|                |                      |                  |                 |                              |                           | Cement Top (MD)                           | WOC (hrs) |
| Conductor      | CLASS A              | GROUT TO SURFACE |                 |                              |                           | SURFACE                                   | 24        |
| Surface        | CLASS A              | 573              | 15.60           | 1.19                         | 681.87                    | SURFACE                                   | 8         |
| Coal           |                      |                  |                 |                              |                           |   |           |
| Intermediate 1 | CLASS A              | 706              | 15.60           | 1.19                         | 840.14                    | SURFACE                                   | 8         |
| Intermediate 2 |                      |                  |                 |                              |                           |   |           |
| Intermediate 3 |                      |                  |                 |                              |                           |   |           |
| Production     | CLASS A              | 3578             | 14.50           | 1.29                         | 4,615.62                  | 1,470'                                    | 24        |
| Tubing         |                      |                  |                 |                              |                           |   |           |

Drillers TD (ft) <sup>19,857'</sup> \_\_\_\_\_ Loggers TD (ft) <sup>19,857'</sup> \_\_\_\_\_  
 Deepest formation penetrated MARCELLUS \_\_\_\_\_ Plug back to (ft) <sup>19,764'</sup> \_\_\_\_\_  
 Plug back procedure N/A \_\_\_\_\_

Kick off depth (ft) <sup>5,255'</sup> TVD \_\_\_\_\_

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: 5 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 INTERMEDIATE: 26 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 PRODUCTION: 375 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 \_\_\_\_\_







Well Name: **TIMMY MINCH OHI 210H**

**47069003370000**

| LITHOLOGY/FORMATION | TOP DEPTH, MD (FT) | TOP DEPTH, TVD (FT) | BOTTOM DEPTH, MD (FT) | BOTTOM DEPTH, TVD (FT) | QUANTITY AND TYPE OF FLUID |
|---------------------|--------------------|---------------------|-----------------------|------------------------|----------------------------|
| Base of Fresh Water | 0.00               | 0.00                | 306.00                | 306.00                 |                            |
| Top of Salt Water   | 638.00             | 638.00              | NA                    | NA                     |                            |
| Pittsburgh Coal     | 471.00             | 471.00              | 475.00                | 475.00                 |                            |
| Pottsville (ss)     | 650.00             | 650.00              | 693.00                | 693.00                 |                            |
| Raven Cliff (ss)    | 1051.00            | 1051.00             | 1134.00               | 1134.00                |                            |
| Maxton (ss)         | 1381.00            | 1378.00             | 1508.00               | 1503.00                |                            |
| Big Injun (ss)      | 1546.00            | 1541.00             | 1898.00               | 1889.00                |                            |
| Berea (siltstone)   | 2106.00            | 2095.00             | 2144.00               | 2133.00                |                            |
| Rhinestreet (shale) | 5561.00            | 5514.00             | 5841.00               | 5775.00                |                            |
| Cashaqua (shale)    | 5841.00            | 5775.00             | 5903.00               | 5827.00                |                            |
| Middlesex (shale)   | 5903.00            | 5827.00             | 5996.00               | 5900.00                |                            |
| Burket (shale)      | 5996.00            | 5900.00             | 6019.00               | 5966.00                |                            |
| Tully (ls)          | 6019.00            | 5966.00             | 6091.00               | 5966.00                |                            |
| Mahantango (shale)  | 6091.00            | 5966.00             | 6259.00               | 6061.00                |                            |
| Marcellus (shale)   | 6259.00            | 6061.00             | NA                    | NA                     | GAS                        |

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**TIMMY MINCH OHI 210H  
ATTACHMENT 1  
PERF REPORT**

| STAGE NUM | Perf Date | Perf Bottom MD | Perf Top MD2 | # SHOTS PER STG |
|-----------|-----------|----------------|--------------|-----------------|
| 1         | 7/18/2022 | 19,764         | 19,672       | 36              |
| 2         | 8/8/2022  | 19,638         | 19,459       | 36              |
| 3         | 8/9/2022  | 19,426         | 19,248       | 36              |
| 4         | 8/10/2022 | 19,214         | 19,036       | 36              |
| 5         | 8/10/2022 | 19,003         | 18,824       | 36              |
| 6         | 8/11/2022 | 18,791         | 18,612       | 36              |
| 7         | 8/11/2022 | 18,579         | 18,400       | 36              |
| 8         | 8/12/2022 | 18,367         | 18,189       | 36              |
| 9         | 8/12/2022 | 18,155         | 17,977       | 60              |
| 10        | 8/13/2022 | 17,943         | 17,765       | 36              |
| 11        | 8/13/2022 | 17,732         | 17,553       | 36              |
| 12        | 8/14/2022 | 17,520         | 17,341       | 36              |
| 13        | 8/14/2022 | 17,308         | 17,129       | 36              |
| 14        | 8/15/2022 | 17,096         | 16,918       | 36              |
| 15        | 8/15/2022 | 16,884         | 16,706       | 36              |
| 16        | 8/16/2022 | 16,672         | 16,494       | 36              |
| 17        | 8/18/2022 | 16,461         | 16,282       | 36              |
| 18        | 8/19/2022 | 16,249         | 16,070       | 36              |
| 19        | 8/19/2022 | 16,037         | 15,858       | 36              |
| 20        | 8/20/2022 | 15,825         | 15,647       | 36              |
| 21        | 8/20/2022 | 15,613         | 15,435       | 36              |
| 22        | 8/20/2022 | 15,402         | 15,223       | 36              |
| 23        | 8/20/2022 | 15,190         | 15,011       | 36              |
| 24        | 8/21/2022 | 14,978         | 14,799       | 36              |
| 25        | 8/22/2022 | 14,766         | 14,588       | 36              |
| 26        | 8/22/2022 | 14,554         | 14,376       | 36              |
| 27        | 8/23/2022 | 14,342         | 14,164       | 36              |
| 28        | 8/23/2022 | 14,131         | 13,952       | 36              |
| 29        | 8/23/2022 | 13,919         | 13,740       | 36              |
| 30        | 8/24/2022 | 13,707         | 13,528       | 36              |
| 31        | 8/24/2022 | 13,495         | 13,317       | 36              |
| 32        | 8/24/2022 | 13,283         | 13,105       | 36              |
| 33        | 8/24/2022 | 13,071         | 12,893       | 36              |
| 34        | 8/25/2022 | 12,860         | 12,681       | 36              |
| 35        | 8/25/2022 | 12,648         | 12,469       | 36              |
| 36        | 8/25/2022 | 12,436         | 12,257       | 36              |
| 37        | 8/25/2022 | 12,224         | 12,046       | 36              |
| 38        | 8/26/2022 | 12,012         | 11,834       | 36              |
| 39        | 8/26/2022 | 11,800         | 11,622       | 36              |
| 40        | 8/26/2022 | 11,589         | 11,410       | 36              |
| 41        | 8/26/2022 | 11,377         | 11,198       | 36              |
| 42        | 8/27/2022 | 11,165         | 10,986       | 36              |
| 43        | 8/27/2022 | 10,953         | 10,775       | 36              |

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PERF REPORT**

| STAGE NUM | Perf Date | Perf Bottom MD | Perf Top MD2 | # SHOTS PER STG |
|-----------|-----------|----------------|--------------|-----------------|
| 44        | 8/27/2022 | 10,741         | 10,563       | 36              |
| 45        | 8/28/2022 | 10,530         | 10,351       | 36              |
| 46        | 8/28/2022 | 10,318         | 10,139       | 36              |
| 47        | 8/28/2022 | 10,106         | 9,927        | 36              |
| 48        | 8/29/2022 | 9,894          | 9,716        | 72              |
| 49        | 8/30/2022 | 9,682          | 9,504        | 36              |
| 50        | 8/30/2022 | 9,470          | 9,292        | 36              |
| 51        | 8/30/2022 | 9,259          | 9,080        | 36              |
| 52        | 8/30/2022 | 9,047          | 8,868        | 36              |
| 53        | 8/30/2022 | 8,883          | 8,656        | 36              |
| 54        | 8/31/2022 | 8,623          | 8,445        | 36              |
| 55        | 8/31/2022 | 8,411          | 8,233        | 36              |
| 56        | 8/31/2022 | 8,199          | 8,021        | 36              |
| 57        | 8/31/2022 | 7,988          | 7,809        | 36              |
| 58        | 9/1/2022  | 7,776          | 7,597        | 36              |
| 59        | 9/1/2022  | 7,564          | 7,385        | 36              |
| 60        | 9/1/2022  | 7,352          | 7,174        | 36              |
| 61        | 9/1/2022  | 7,140          | 6,962        | 36              |
| 62        | 9/2/2022  | 6,929          | 6,750        | 36              |
| 63        | 9/2/2022  | 6,717          | 6,538        | 36              |

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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         | 8/8/2022  | 80                  | 8,448         | 7,365         | 4,651      | 162,800                  | 6,205                | 0                       |
| 2         | 8/9/2022  | 83                  | 7,892         | 5,421         | 4,625      | 374,980                  | 9,641                | 0                       |
| 3         | 8/9/2022  | 67.4                | 6,440         | 5,548         | 4,365      | 373,300                  | 10,140               | 0                       |
| 4         | 8/10/2022 | 94                  | 8,473         | 5,367         | 4,652      | 380,775                  | 8,444                | 0                       |
| 5         | 8/10/2022 | 86.8                | 8,937         | 5,913         | 4,766      | 372,280                  | 8,581                | 0                       |
| 6         | 8/11/2022 | 90.7                | 8,974         | 6,025         | 4,517      | 380,530                  | 8,813                | 0                       |
| 7         | 8/12/2022 | 82.4                | 8,533         | 5,620         | 4,720      | 365,112                  | 8,369                | 0                       |
| 8         | 8/12/2022 | 93.4                | 7,880         | 6,223         | 4,563      | 366,640                  | 8,378                | 0                       |
| 9         | 8/12/2022 | 59.9                | 6,894         | 5,306         | 4,952      | 43,150                   | 6,997                | 0                       |
| 10        | 8/13/2022 | 94.2                | 8,057         | 5,523         | 4,578      | 367,600                  | 8,686                | 0                       |
| 11        | 8/14/2022 | 89.3                | 8,204         | 5,842         | 4,790      | 372,550                  | 8,413                | 0                       |
| 12        | 8/14/2022 | 94.3                | 8,199         | 6,272         | 4,765      | 372,550                  | 7,798                | 0                       |
| 13        | 8/15/2022 | 89.3                | 8,387         | 5,635         | 4,799      | 391,910                  | 7,828                | 0                       |
| 14        | 8/15/2022 | 92.2                | 7,798         | 6,213         | 4,612      | 377,630                  | 7,758                | 0                       |
| 15        | 8/16/2022 | 75.9                | 7,670         | 5,416         | 4,725      | 389,780                  | 8,666                | 0                       |
| 16        | 8/16/2022 | 15                  | 7,114         | 7,940         | 5,231      | 5,356                    | 6,841                | 0                       |
| 17        | 8/18/2022 | 90.3                | 7,958         | 5,307         | 5,506      | 381,850                  | 8,201                | 0                       |
| 18        | 8/19/2022 | 96                  | 8,423         | 4,834         | 4,654      | 375,080                  | 7,730                | 0                       |
| 19        | 8/19/2022 | 92.5                | 8,367         | 4,683         | 5,467      | 361,270                  | 7,596                | 0                       |
| 20        | 8/20/2022 | 95.7                | 8,283         | 5,945         | 4,765      | 367,400                  | 7,882                | 0                       |
| 21        | 8/20/2022 | 96                  | 8,470         | 5,214         | 4,654      | 369,150                  | 7,751                | 0                       |
| 22        | 8/20/2022 | 93.6                | 8,604         | 5,302         | 5,505      | 355,150                  | 7,528                | 0                       |
| 23        | 8/21/2022 | 96.5                | 7,865         | 5,134         | 4,565      | 345,130                  | 7,842                | 0                       |
| 24        | 8/22/2022 | 78.5                | 7,069         | 6,430         | 4,350      | 387,040                  | 8,795                | 0                       |
| 25        | 8/22/2022 | 83                  | 8,396         | 6,112         | 4,532      | 367,040                  | 7,670                | 0                       |
| 26        | 8/22/2022 | 90.3                | 8,219         | 5,993         | 4,803      | 374,770                  | 7,623                | 0                       |
| 27        | 8/23/2022 | 98.8                | 8,270         | 4,905         | 4,653      | 372,810                  | 7,552                | 0                       |
| 28        | 8/23/2022 | 98.2                | 8,199         | 6,280         | 4,679      | 373,050                  | 7,605                | 0                       |
| 29        | 8/23/2022 | 93.4                | 8,450         | 6,430         | 5,430      | 373,200                  | 7,380                | 0                       |
| 30        | 8/24/2022 | 93.6                | 8,466         | 6,190         | 5,480      | 372,948                  | 7,316                | 0                       |
| 31        | 8/24/2022 | 97.2                | 8,176         | 6,079         | 4,532      | 381,120                  | 7,697                | 0                       |
| 32        | 8/24/2022 | 93.4                | 8,475         | 6,190         | 5,690      | 388,540                  | 7,382                | 0                       |
| 33        | 8/25/2022 | 94.4                | 7,989         | 6,120         | 5,200      | 389,610                  | 7,606                | 0                       |
| 34        | 8/25/2022 | 98.9                | 8,116         | 6,115         | 4,861      | 383,830                  | 7,484                | 0                       |
| 35        | 8/25/2022 | 98.3                | 8,158         | 6,381         | 4,670      | 372,710                  | 7,515                | 0                       |
| 36        | 8/25/2022 | 93.3                | 8,268         | 5,965         | 5,172      | 353,100                  | 7,246                | 0                       |
| 37        | 8/25/2022 | 93.7                | 8,369         | 4,737         | 5,398      | 365,600                  | 7,186                | 0                       |
| 38        | 8/26/2022 | 97.7                | 8,010         | 5,511         | 4,670      | 370,670                  | 7,530                | 0                       |
| 39        | 8/26/2022 | 96.8                | 7,885         | 5,719         | 4,765      | 386,390                  | 7,430                | 0                       |
| 40        | 8/26/2022 | 94.9                | 8,066         | 5,213         | 5,315      | 403,780                  | 7,254                | 0                       |
| 41        | 8/27/2022 | 94.4                | 8,013         | 5,925         | 4,654      | 399,820                  | 7,353                | 0                       |
| 42        | 8/27/2022 | 95.2                | 7,552         | 4,940         | 4,690      | 385,240                  | 7,257                | 0                       |
| 43        | 8/27/2022 | 96.5                | 7,658         | 5,594         | 6,071      | 384,350                  | 7,333                | 0                       |
| 44        | 8/28/2022 | 83.9                | 7,109         | 5,740         | 5,508      | 396,550                  | 8,133                | 0                       |
| 45        | 8/28/2022 | 98.3                | 7,650         | 5,355         | 4,870      | 372,160                  | 7,227                | 0                       |
| 46        | 8/28/2022 | 98.3                | 7,751         | 4,675         | 4,873      | 385,040                  | 7,373                | 0                       |
| 47        | 8/28/2022 | 91.6                | 8,258         | 5,538         | 4,728      | 382,540                  | 7,899                | 0                       |
| 48        | 8/29/2022 | 78.7                | 6,230         | 5,409         | 5,440      | 357,540                  | 9,814                | 0                       |
| 49        | 8/30/2022 | 99.4                | 7,248         | 4,918         | 4,875      | 358,470                  | 7,017                | 0                       |
| 50        | 8/30/2022 | 98.3                | 7,364         | 5,826         | 4,560      | 350,080                  | 7,230                | 0                       |
| 51        | 8/30/2022 | 97.6                | 7,292         | 5,452         | 4,782      | 336,340                  | 7,074                | 0                       |
| 52        | 8/30/2022 | 96.9                | 7,248         | 5,764         | 4,969      | 358,470                  | 7,252                | 0                       |
| 53        | 8/31/2022 | 97.4                | 7,443         | 5,901         | 5,760      | 363,290                  | 7,276                | 0                       |



TIMMY MINCH OHI 210H

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 |
|-----------|-----------|---------------------|---------------|---------------|------------|--------------------------|----------------------|-------------------------|
| 54        | 8/31/2022 | 95.4                | 7,129         | 6,043         | 5,487      | 374,040                  | 7,573                | 0                       |
| 55        | 8/31/2022 | 92.3                | 7,373         | 5,865         | 4,497      | 369,640                  | 6,955                | 0                       |
| 56        | 8/31/2022 | 96                  | 7,206         | 6,120         | 4,523      | 371,490                  | 6,903                | 0                       |
| 57        | 9/1/2022  | 96                  | 7,215         | 5,938         | 4,528      | 380,260                  | 6,885                | 0                       |
| 58        | 9/1/2022  | 95.7                | 7,093         | 5,872         | 5,361      | 344,480                  | 7,330                | 0                       |
| 59        | 9/1/2022  | 95.1                | 7,026         | 6,213         | 4,218      | 343,830                  | 6,992                | 0                       |
| 60        | 9/1/2022  | 96                  | 7,064         | 6,275         | 4,552      | 350,480                  | 6,896                | 0                       |
| 61        | 9/1/2022  | 95                  | 6,932         | 6,059         | 4,658      | 355,170                  | 6,939                | 0                       |
| 62        | 9/2/2022  | 95.2                | 6,858         | 6,126         | 4,623      | 352,820                  | 7,022                | 0                       |
| 63        | 9/2/2022  | 95.2                | 6,853         | 5,924         | 4,375      | 380,000                  | 7,711                | 0                       |

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                |                     |
|--------------------------------|---------------------|
| Job Start Date:                | 8/8/2022            |
| Job End Date:                  | 9/2/2022            |
| State:                         | West Virginia       |
| County:                        | Ohio                |
| API Number:                    | 47-069-00337-00-00  |
| Operator Name:                 | Southwestern Energy |
| Well Name and Number:          | TIMMY MINCH OHI 210 |
| Latitude:                      | 40.08527780         |
| Longitude:                     | -80.64617400        |
| Datum:                         | NAD83               |
| Federal Well:                  | NO                  |
| Indian Well:                   | NO                  |
| True Vertical Depth:           | 6,218               |
| Total Base Water Volume (gal): | 20,259,576          |
| Total Base Non Water Volume:   | 0                   |

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## 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  | 87.89790   | Density = 8.345 |
| Ingredients | Listed Above | Listed Above |             |  |  |  |                 |
|             |              |              | Water       | 7732-18-5                                | 100.00000  | 0.30104  |                 |

|  |                   |                     |                            |              |           |          |  |
|--|-------------------|---------------------|----------------------------|--------------|-----------|----------|--|
|  |                   |                     | Water                      | 7732-18-5    | 85.00000  | 0.30104  |  |
|  |                   |                     | Water                      | 7732-18-5    | 45.00000  | 0.30104  |  |
| Tolicide 4Frac   | SWN Well Services | Biocide             |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| Ferriplex 80   | SWN Well Services | Iron Control        |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| HCL  | SWN Well Services | Solvent             |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| Plexaid 655NM  | SWN Well Services | Scale Inhibitor     |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| FSTI-CI-02   | SWN Well Services | Corrosion Inhibitor |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| Plexslick 930  | SWN Well Services | Friction Reducer    |                            |              |           |          |  |
|  |                   |                     |                            | Listed Below |           |          |  |
| Sand   | SWN Well Services | Proppant            |                            |              |           |          |  |
|  |                   |                     |                            | 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 | 11.70835 |  |
|  |                   |                     | Hydrochloric Acid          | 7647-01-0    | 15.00000  | 0.04189  |  |

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|  |  |  |  |            |           |         |  |
|--|--|--|--|------------|-----------|---------|--|
|  |  |  | Tetrakis(Hydroxymethyl) Phosphonium Sulfate                      | 55566-30-8 | 45.00000  | 0.00589 |  |
|  |  |  | Sodium Erythorbate   | 6381-77-7  | 100.00000 | 0.00149 |  |
|  |  |  | Quaternary ammonium compounds                                    | 68424-85-1 | 7.50000   | 0.00098 |  |
|  |  |  | Ethanol  | 64-17-5    | 2.50000   | 0.00033 |  |
|  |  |  | Ethylene glycol  | 107-21-1   | 40.00000  | 0.00017 |  |
|  |  |  | Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- | 9016-45-9  | 10.00000  | 0.00004 |  |
|  |  |  | N,N-Dimethylformamide  | 68-12-2    | 10.00000  | 0.00004 |  |
|  |  |  | Cinnamaldehyde   | 104-55-2   | 10.00000  | 0.00004 |  |
|  |  |  | 1-Decanol  | 112-30-1   | 5.00000   | 0.00002 |  |
|  |  |  | Triethyl phosphate   | 78-40-0    | 5.00000   | 0.00002 |  |
|  |  |  | 1-Octanol  | 111-87-5   | 5.00000   | 0.00002 |  |
|  |  |  | benzyl chloridequaternized                                       | 72480-70-7 | 5.00000   | 0.00002 |  |
|  |  |  | Isopropyl alcohol  | 67-63-0    | 5.00000   | 0.00002 |  |
|  |  |  | 2-Butoxyethanol  | 111-76-2   | 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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WV Department of  
Environmental Protection



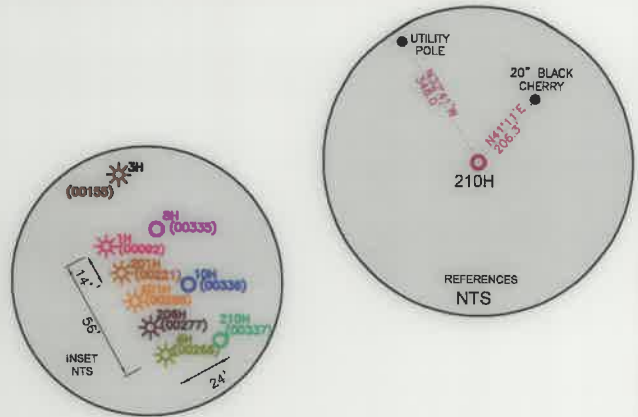
**JACKSON SURVEYING  
INC.**

2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-5851

Latitude: 40°07'30" SURFACE HOLE 5923'  
Latitude: 40°05'00" BOTTOM HOLE 11,102'

|  |  |
|--|--|
| <b>SURFACE HOLE LOCATION (SHL):</b>  | <b>SURFACE HOLE LOCATION (SHL):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,282.264<br>EASTING: 530,164.289 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,282.412<br>EASTING: 530,164.934 |
| <b>LANDING POINT LOCATION (LPL):</b>   | <b>LANDING POINT LOCATION (LPL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,283.721<br>EASTING: 530,297.718 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,293.520<br>EASTING: 530,295.569 |
| <b>AZIMUTH POINT LOCATION-1 (AZL1):</b>  | <b>AZIMUTH POINT LOCATION-1 (AZL1):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,435,415.454<br>EASTING: 531,119.851 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,435,419.594<br>EASTING: 531,115.391 |
| <b>AZIMUTH POINT LOCATION-2 (AZL2):</b>  | <b>AZIMUTH POINT LOCATION-2 (AZL2):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,435,382.085<br>EASTING: 531,135.383 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,435,369.103<br>EASTING: 531,137.599 |
| <b>AZIMUTH POINT LOCATION-3 (AZL3):</b>  | <b>AZIMUTH POINT LOCATION-3 (AZL3):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,434,200.321<br>EASTING: 531,716.083 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,434,203.701<br>EASTING: 531,720.012 |
| <b>AZIMUTH POINT LOCATION-4 (AZL4):</b>  | <b>AZIMUTH POINT LOCATION-4 (AZL4):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,433,941.780<br>EASTING: 531,909.735 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,433,933.877<br>EASTING: 531,914.980 |
| <b>BOTTOM HOLE LOCATION (BHL):</b>   | <b>BOTTOM HOLE LOCATION (BHL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,433,715.380<br>EASTING: 532,156.810 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,433,712.558<br>EASTING: 532,154.916 |

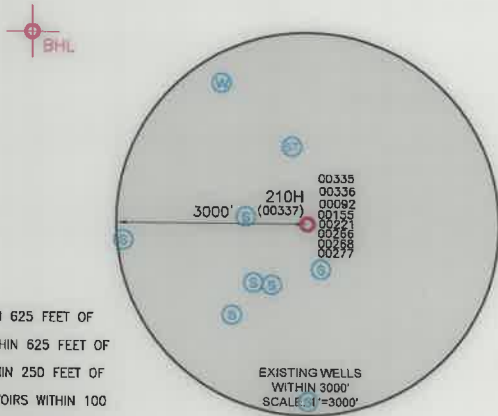
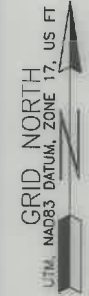
|  |  |
|--|--|
| <b>SURFACE HOLE LOCATION (SHL):</b>  | <b>SURFACE HOLE LOCATION (SHL):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,282.264<br>EASTING: 530,164.289 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,282.412<br>EASTING: 530,164.934 |
| <b>LANDING POINT LOCATION (LPL):</b>   | <b>LANDING POINT LOCATION (LPL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,283.721<br>EASTING: 530,297.718 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,293.520<br>EASTING: 530,295.569 |
| <b>AZIMUTH POINT LOCATION-1 (AZL1):</b>  | <b>AZIMUTH POINT LOCATION-1 (AZL1):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,435,415.454<br>EASTING: 531,119.851 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,435,419.594<br>EASTING: 531,115.391 |
| <b>AZIMUTH POINT LOCATION-2 (AZL2):</b>  | <b>AZIMUTH POINT LOCATION-2 (AZL2):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,435,382.085<br>EASTING: 531,135.383 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,435,369.103<br>EASTING: 531,137.599 |
| <b>AZIMUTH POINT LOCATION-3 (AZL3):</b>  | <b>AZIMUTH POINT LOCATION-3 (AZL3):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,434,200.321<br>EASTING: 531,716.083 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,434,203.701<br>EASTING: 531,720.012 |
| <b>AZIMUTH POINT LOCATION-4 (AZL4):</b>  | <b>AZIMUTH POINT LOCATION-4 (AZL4):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,433,941.780<br>EASTING: 531,909.735 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,433,933.877<br>EASTING: 531,914.980 |
| <b>BOTTOM HOLE LOCATION (BHL):</b>   | <b>BOTTOM HOLE LOCATION (BHL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,433,715.380<br>EASTING: 532,156.810 | UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,433,712.558<br>EASTING: 532,154.916 |



| LINE | BEARING       | DISTANCE | DESCRIPTION     | MONUMENT       |
|------|---------------|----------|-----------------|----------------|
| L1   | N 10°57'22" E | 1426.62' | SHL TO LANDMARK | FD. 5/8" REBAR |
| L2   | N 95°07'47" E | 1183.26' | SHL TO LANDMARK | FD. 5/8" REBAR |
| L6   | S 47°18'41" E | 1070.94' | AZL4 TO BHL     |                |

| LINE | BEARING       | DISTANCE | CURVE LENGTH | DESCRIPTION  |
|------|---------------|----------|--------------|--------------|
| L3   | N 85°08'25" E | 430.14'  | 1303.14'     | SHL TO LP    |
| L4   | S 23°44'31" E | 180.97'  | 180.97'      | AZL1 TO AZL2 |
| L5   | S 35°51'03" E | 1092.17' | 1096.90'     | AZL3 TO AZL4 |



**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. 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.

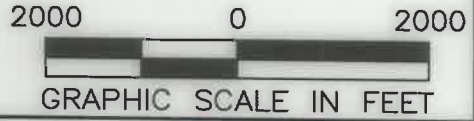
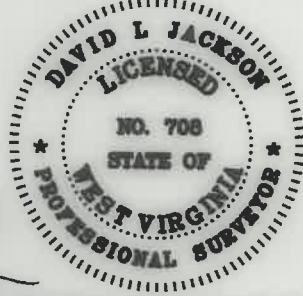
**NOTES ON SURVEY**

1. 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. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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. 708

*David L Jackson*



COMPANY: **SWN** Production Company, LLC

(+) DENOTES LOCATION OF WELL ON 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)

TIMMY MINCH OHI  
OPERATOR'S WELL #: 210H  
API WELL #: 47 069 00337  
STATE COUNTY PERMIT

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

WATERSHED: BROWNS RUN OF PETERS RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1208.2'

DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: WHEELING, WV

SURFACE OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

OIL & GAS ROYALTY OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

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

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) ASDRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,287' 10' 16' 20' 20'

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY  
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200  
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

|                                 |                                       |                     |            |                    |
|---------------------------------|---------------------------------------|---------------------|------------|--------------------|
| <b>LEGEND:</b>                  | ○ PROPOSED SURFACE HOLE / BOTTOM HOLE | — SURVEYED BOUNDARY | REVISIONS: | DATE: 09-19-2022   |
| ☼ EXISTING / PRODUCING WELLHEAD | — DRILLING UNIT                       | — LEASE BOUNDARY    |            |                    |
| LPL* LANDING POINT LOCATION     | — ASDRILLED PATH                      | — PROPOSED PATH     |            |                    |
| ⊕ EXISTING WATER WELL           |                                       |                     |            | DRAWN BY: N. MANO  |
| ⊙ EXISTING SPRING               |                                       |                     |            | SCALE: 1" = 2000'  |
|                                 |                                       |                     |            | DRAWING NO:        |
|                                 |                                       |                     |            | WELL LOCATION PLAT |



**JACKSON SURVEYING  
INC.**

2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-5851



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. 708

*David L Jackson*

|            |                                       |                                   |                      |
|------------|---------------------------------------|-----------------------------------|----------------------|
| REVISIONS: | COMPANY:                              | 12/16/2022                        |                      |
|            | <b>SWN</b><br>Production Company, LLC | <b>SWN</b><br>Production Company™ |                      |
|            | OPERATOR'S                            | TIMMY MINCH OHI                   | DATE: 09-19-2022     |
|            | WELL #:                               | 210H                              | DRAWN BY: N. MANO    |
|            | DISTRICT:                             | TRIADELPHIA                       | SCALE: N/A           |
|            | COUNTY:                               | OHIO                              | DRAWING NO:          |
|            | STATE:                                | WV                                | WELL LOCATION PLAT 2 |

**JACKSON SURVEYING  
INC.**

2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-5851

| WELL BORE TRACTS |  |             |
|------------------|--|-------------|
| TRACT            | SURFACE OWNER (S) / ROYALTY OWNER (R)                          | TAX PARCEL  |
| 1                | MINCH TIMMY B & AMY L (S/R)                                    | 6-T2-18     |
| 2                | POCKL RONALD J (S)   | 6-T2-20.1   |
| 3                | WOJCHOWSKI MORGAN A (S)  | 6-T2-20     |
| 4                | HATCHER EDWARD A SR (S)  | 6-T2-21.4   |
| 5                | HATCHER EDWARD A (S)   | 6-T2-21     |
| 6                | DICKERSON CYNTHIA ANN ET AL (S)                                | 6-T2-22     |
| 7                | SAPORITO MICHAEL A & RAE L (S)                                 | 6-T7-136    |
| 8                | POWELL JAMES E JR & MARY A-LE POWELL J; POWELL M; BRAMAN M (S) | 6-T7-137    |
| 9                | PAPADIMITRIOU KATHERINE M (S)                                  | 6-T7-145    |
| 10               | LUCKY FARMS LLC (S)  | 6-T7-163    |
| 11               | KENT ROGER L JR & MELINDA J (S)                                | 6-T7-163.15 |
| 12               | KENT ROGER L JR & MELINDA J (S)                                | 6-T7-163.18 |
| 13               | FULLERTON TODD (S)   | 6-T7-163.16 |
| 14               | NEIDHARDT ROBT T O'LEARY KATHLEEN (S)                          | 6-T7-163.3  |
| 15               | NEIDHARDT ROBERT & KATHLEEN (S)                                | 6-T7-163.10 |
| 16               | BRANNARE STEFAN L & BRANNARE ELIZABETH L (S)                   | 6-T7-163.9  |
| 17               | STOUT CHAD M & LEAH M (S)                                      | 6-T7-163.8  |
| 18               | BLISS CHARLIE A SR & MARY E (S)                                | 6-T7-164    |
| 19               | EDGE EDWARD M & CHRISTINE B (S)                                | 6-T7-165    |
| 20               | BRINKMEIER WILLIAM JAY (S)                                     | 6-T7-165.1  |
| 21               | BRINKMEIER LOUIS JR (S)  | 6-T7-175.1  |
| 22               | BRINKMEIER WILLIAM J (S)                                       | 6-T7-177    |
| 23               | TOWN OF TRIDELPHIA (S)   | 6-T7-176    |
| 24               | TRENTON ROBERT C & S G (S)                                     | 6-T7-177.1  |
| 25               | 470 LAND COMPANY LLC (S)                                       | 7-TW4-35    |
| 26               | WV DEPARTMENT OF TRANSPORTATION (S)                            | US ROUTE 40 |
| 27               | ALLIETTA KERA L (S)  | 7-TW4-62    |
| 28               | DANEHART CHARLES D JR (S)                                      | 7-TW4-61    |
| 29               | KNOLLINGER KATHYRN M (S)                                       | 7-TW8-75    |
| 30               | MIDTOWN MOBILE HOMES INC TEMPLIN TIM T & PATRICIA A (S)        | 6-TW4-126   |
| 31               | PARSONS JAMES (S)  | 6-T7-182    |

DETAIL "A"





**JACKSON SURVEYING  
INC.**

2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-5851

| ADJOINING OWNERS TABLE |   |             |
|------------------------|---|-------------|
| TRACT                  | SURFACE OWNER   | TAX PARCEL  |
| A                      | MINCH TIMMY B & AMY L                                       | 4-R17-58.1  |
| B                      | MINCH ROBERT WILLIAM JR MINCH BARBARA JEAN                  | 4-R17-57.2  |
| C                      | MINCH ROBERT WILLIAM JR MINCH HERBERT PAUL                  | 4-R17-57    |
| D                      | NUTTING G OGDEN TRUST                                       | 4-R17-57.1  |
| E                      | MEMORI HOME & GARDEN LLC                                    | 4-R17H-1    |
| F                      | HALL EULA BERNICE   | 4-R18-3     |
| G                      | POCKL RONALD J  | 6-T2-20.1   |
| H                      | WOJCHOWSKI MORGAN A   | 6-T2-20     |
| I                      | HATCHER HOWARD W JR & LJ                                    | 6-T2-21.6   |
| J                      | COVEY ON RISE, LLC  | 6-T2-21.5   |
| K                      | DAILER JAMES M & MARILYN D                                  | 6-T2-21.7   |
| L                      | COURY KRISTIN   | 6-T2-21.3   |
| M                      | NEUMAN MICHAEL C & COCHRAN SARAH                            | 6-T2-21.1   |
| N                      | NEUMAN MICHAEL C & COCHRAN SARAH                            | 6-T2-25     |
| O                      | COURY KRISTIN   | 6-T2-21.2   |
| P                      | LAUDERMILT GARY E & M A                                     | 6-T2-26.1   |
| Q                      | LAUDERMILT MARY A & G E                                     | 6-T2-26     |
| R                      | CROFT SAMUEL E & ROSE M TRUST CROFT SAMUEL E & ROSE M; TEES | 6-T2-24     |
| S                      | CROFT SAMUEL & ROSE   | 6-T2-24.2   |
| T                      | JONES LAMBERT   | 6-T2-24.1   |
| U                      | CROFT REVOCABLE TRUST                                       | 6-T2-139    |
| V                      | DANEHART ARTHUR W & P R (LIFE) ENGLAND CYNTHIA A ET AL      | 6-T7-141    |
| W                      | DANEHART ARTHUR W & P R (LIFE) ENGLAND CYNTHIA A ET AL      | 6-T7-140    |
| X                      | LAUDERMILT MARY ANN & GARY E SR                             | 6-T7-142    |
| Y                      | FIGARETTI KATHERINE M & ANTHONY F                           | 6-T7-143    |
| Z                      | FIGARETTI KATHERINE M ANTHONY F                             | 6-T7-143.1  |
| A2                     | COREY MICHAEL & TIERRA                                      | 6-T7-158    |
| B2                     | HEARN LYLE & KIMBERLIE                                      | 6-T7-173    |
| C2                     | LUCKY FARMS LLC   | 6-T7-163    |
| D2                     | HANSON AUGUST J & LISA M                                    | 6-T7-163.20 |
| E2                     | GALBREATH ROBERT W & DEBRA J                                | 6-T7-163.11 |
| F2                     | GRIFFIN DANIEL L & SARA C                                   | 6-T7-163.5  |
| G2                     | MILLER GARY P & J A   | 6-T7-163.4  |
| H2                     | BROSKI STEPHEN J  | 6-T7-163.1  |
| I2                     | FIORILLI MICHAEL A & C L                                    | 6-T7-163.2  |
| J2                     | TUCKER ROBERT M & REBECCA E                                 | 6-T7-163.12 |
| K2                     | GAUDINO GREGORY A & ANNETTE M                               | 6-T7-163.13 |
| L2                     | KHALIL BUSAINA  | 6-T7-163.7  |
| M2                     | KHALIL BUSAINA  | 6-T7-163.6  |
| N2                     | SIMMS JAMES   | 6-T7-163.17 |
| O2                     | GEORGE GREGORY P JR   | 6-T7-163.21 |
| P2                     | BOYD CECELIA  | 6-T7-172    |
| Q2                     | ABUNDANT LIFE BAPTIST CHURCH ET AL                          | 6-T7-172.12 |
| R2                     | ANDERSON CARLAS E & T D                                     | 6-T7-172.2  |
| S2                     | BLISS CHARLIE A SR & MARY E                                 | 6-T7-164.1  |
| T2                     | ABUNDANT LIFE BAPTIST CHURCH ET AL                          | 6-T7-172.14 |
| U2                     | BRINKMEIER LOUIS G JR & J A                                 | 6-T7-175    |
| V2                     | CLARK LINDA L   | 7-TW3-1     |
| W2                     | BRINKMEIER WILLIAM J  | 6-T7-175.2  |
| X2                     | TRENTON ROBERT C & S G                                      | 6-T7-186    |
| Y2                     | BONACCI RENTALS LLC   | 7-TW4-39    |
| Z2                     | TRENTON ROBERT C & SYLVIA G                                 | 7-TW4-38    |
| A3                     | TRENTON ROBERT C AND SYLVIA G                               | 7-TW4-37    |
| B3                     | 470 LAND COMPANY LLC  | 7-TW4-37.1  |
| C3                     | 470 LAND COMPANY LLC  | 7-TW4-36    |
| D3                     | HALL JAMES E JR & TERRY E                                   | 7-TW4-60    |
| E3                     | MARLIN DOUG & LEXANNE                                       | 7-TW4-94    |
| F3                     | BONACCI RENTALS LLC   | 7-TW4-95    |

| ADJOINING OWNERS TABLE |   |             |
|------------------------|---|-------------|
| TRACT                  | SURFACE OWNER   | TAX PARCEL  |
| G3                     | BONACCI RENTALS LLC   | 7-TW4-56.1  |
| H3                     | COOPER WILLIAM C  | 7-TW4-96    |
| I3                     | WCC INC   | 7-TW4-97    |
| J3                     | ROBINSON JOYCE  | 6-T8-43.2   |
| K3                     | ROBINSON AUGUST FRANKLIN                                    | 6-T8-43     |
| L3                     | OHIO COUNTY COMMISSION                                      | 6-T12-53    |
| M3                     | MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) | 7-TW4-129   |
| N3                     | TEMPLIN TIM T   | 7-TW4-126.1 |
| O3                     | MIDTOWN MOBILE HOMES INC                                    | 7-TW4-93    |
| P3                     | MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) | 7-TW4-127   |
| Q3                     | MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) | 7-TW4-128   |
| R3                     | MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) | 7-TW4-123   |
| S3                     | MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) | 7-TW4-125   |
| T3                     | MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) | 7-TW4-122   |
| U3                     | MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) | 7-TW4-133   |
| V3                     | STARKEY OPHIE E & R S                                       | 7-TW4-124   |
| W3                     | MIDTOWN MOBILE HOMES INC (1/2) TEMPLIN TIM & PATRICIA (1/2) | 7-TW4-121   |
| X3                     | BLEIFUS TIRE SERVICE INC                                    | 7-TW4-92    |
| Y3                     | ALLIETTA THOMAS J   | 7-TW4-63    |
| Z3                     | 470 LAND COMPANY LLC  | 7-TW4-34    |
| A4                     | 470 LAND COMPANY LLC  | 7-TW4-33    |
| B4                     | 470 LAND COMPANY LLC  | 7-TW4-32    |
| C4                     | TRENTON ROBERT C & S G                                      | 7-TW4-31    |
| D4                     | TOWN OF TRIADELPHIA   | 7-TW4-30    |
| E4                     | TRENTON ROBERT C  | 6-T7-184    |
| F4                     | TRENTON ROBT C & SYLVIA                                     | 6-T7-184.1  |
| G4                     | TRENTON ROBERT C  | 6-T7-184.3  |
| H4                     | TOWN OF TRIADELPHIA   | 7-TW4-24    |
| I4                     | BRINKMEIER WILLIAM J  | 6-T7-177    |
| J4                     | TOWN OF TRIADELPHIA   | 7-TW4-23.1  |
| K4                     | OHIO VALLEY IND & BUS DEV CORP                              | 7-TW4-8     |
| L4                     | OHIO VALLEY IND & BUS DEV CORP                              | 6-T7-166.1  |
| M4                     | LUCKY FARMS KENNEL LLC                                      | 6-T7-163.22 |
| N4                     | GEORGE GREGORY J & JENNIFER S                               | 6-T7-163.19 |
| O4                     | MIDDLE CREEK GARAGE INC                                     | 6-T7-166    |
| P4                     | HUTCHINSON AMY JO   | 7-TW1-1.1   |
| Q4                     | KNOLLINGER WOODROW J JR REV TRUST, ET AL                    | 7-TW1-3.2   |
| R4                     | MIDDLE CREEK GARAGE INC                                     | 7-TW1-9     |
| S4                     | LUCKY FARMS LLC   | 6-T12-5     |
| T4                     | OCH DANIEL F  | 6-T7-156    |
| U4                     | FITZPATRICK CINDY L THOMAS W                                | 6-T7-153    |
| V4                     | HULS TERESA GELLNER   | 6-T7-152    |
| W4                     | RICKER WILLIAM R AND KATHY L                                | 6-T7-150    |
| X4                     | CRISWELL JOHN T   | 6-T7-150.1  |
| Y4                     | CRISWELL JOHN T   | 6-T7-148.1  |
| Z4                     | WALTER GARY R & SUSAN L                                     | 6-T7-148    |
| A5                     | MOORE STEVEN A & LISA K                                     | 6-T7-148.2  |
| B5                     | WENZEL REGIS G & J R  | 6-T7G-4     |
| C5                     | HEATH JAMES L   | 6-T7G-3     |
| D5                     | HARRIS DONALD N & J A                                       | 6-T7-147.1  |
| E5                     | HARRIS DONALD JEFFERY                                       | 6-T7-147    |
| F5                     | SCHMID DAVID J & E T  | 6-T7-146    |
| G5                     | DAVIS PROPERTY HOLDINGS LLC                                 | 6-T7-137.1  |
| H5                     | WARD CHRISTIE L   | 6-T7C-1     |
| I5                     | POWELL JAMES E JR & MARY A-LE POWELL J; POWELL M; BRAMAN M  | 6-T7-180    |
| J5                     | STRADA JEFFREY M & LINDA F                                  | 6-T7C-11    |
| K5                     | STRADA JEFFREY M & LINDA F                                  | 6-T7C-11.1  |
| L5                     | BAUER HOLLY K & PAUL M                                      | 6-T7-112.1  |
| M5                     | FRITTER RALPH LEE II FRITTER MELISSA EDITH                  | 6-T7-111    |
| N5                     | ORUM M D 6/9 INT, W B ORUM 1/9 K D ORUM 1/9 & J E ORUM 1/9  | 6-T7-135.1  |
| O5                     | ORUM WILLIAM A & CYNTHIA                                    | 6-T7-178    |
| P5                     | WHEELING PARK COMMISSION                                    | 6-T7-95     |
| Q5                     | DANEHART LUANN AND ARTHUR W JR                              | 6-T2-16.2   |
| R5                     | VILLANOVA DONALD G AND BECKY J                              | 6-T2-16     |
| S5                     | VILLANOVA DONALD G AND BECKY J                              | 6-T2-15.2   |
| T5                     | FRANKE RODD A & LISA R                                      | 6-T2-15.3   |
| U5                     | MONFRADI CHARLES AND DOLORES                                | 4-R17-58    |
| V5                     | ORUM WILLIAM A & CYNTHIA E                                  | 6-T2-19.1   |
| W5                     | JUNIPER LODGE INC   | 6-T2-19     |
| X5                     | MINCH TIMMY B & AMY L                                       | 4-R17-63    |
| Y5                     | MINCH DANNY AND GINA  | 4-R17-61    |
| Z5                     | CALVERT GROVE ANDREW  | 4-R17-62    |

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN**  
Production Company™

12/16/2022

OPERATOR'S: TIMMY MINCH OHI  
WELL #: 210H

API #: 47-069-00337

DATE: 09-19-2022

DISTRICT: TRIADELPHIA

COUNTY: OHIO

STATE: WV

DRAWN BY: N. MANO

SCALE: N/A

DRAWING NO: WELL LOCATION PLAT 4