

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

API 47 - 009 - 00307 County BROOKE District CROSS CREEK
Quad STUEBENVILLE EAST, WV Pad Name OV ROYALTY TRUST LLC BRK PAD Field/Pool Name PANHANDLE FIELD WET
Farm name THE GENE CHARLES VALENTINE TRUST DATE 11/26/86 Well Number OV ROYALTY TRUST LLC BRK 405H
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 4,459,545.949 Easting 535,347.549
Landing Point of Curve Northing 4,458,894.293 Easting 536,356.324
Bottom Hole Northing 4,463,236.677 Easting 534,934.189

Elevation (ft) 1180.5 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 5/22/2020 Date drilling commenced 12/18/2020 Date drilling ceased 1/13/2021
Date completion activities began 3/01/2021 Date completion activities ceased 3/24/2021
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 396 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 512 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 221 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

RECEIVED
Office of Oil and Gas
JUN 10 2021
Reviewed by:
B. S.
08/27/2021

API 47-009 - 00307 Farm name THE GENE CHARLES VALENTINE TRUST DATE 11/26/86 Well number OV ROYALTY TRUST LLC BRK 405H

| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/N) * Provide details below* |
|---------------------------|-------------|-------------|--------|-------------|-------------|-----------------|--|
| Conductor | 24 | 20 | 126 | NEW | J-55/94# | | N |
| Surface | 17.5 | 13.375 | 451 | NEW | J-55/54.50# | 155.1, 113.2 | N |
| Coal | SEE SURFACE | | | | | | |
| Intermediate 1 | 12.25 | 9.625 | 1,579 | NEW | J-55/36# | | Y, 37 BBLS |
| Intermediate 2 | 12.25 | 9.625 | | | | | |
| Intermediate 3 | | | | | | | |
| Production | 8.75/8.50 | 5.5 | 23,337 | NEW | P-110/20# | | Y, 90 BBLS |
| Tubing | | 2.375 | 8,121 | NEW | P-110/6.5# | | N |
| Packer type and depth set | | | | | | | |

Comment Details _____

| CEMENT DATA | Class/Type of Cement | Number of Sacks | Slurry wt (ppg) | Yield (ft ³ /sks) | Volume (ft ³) | Cement Top (MD) | WOC (hrs) |
|----------------|----------------------|------------------|-----------------|------------------------------|---------------------------|-----------------|-----------|
| Conductor | CLASS A | GROUT TO SURFACE | | | | SURFACE | 24 |
| Surface | CLASS A | 510 | 15.60 | 1.19 | 606.9 | SURFACE | 8 |
| Coal | SEE SURFACE | | | | | | |
| Intermediate 1 | CLASS A | 621 | 15.60 | 1.18 | 732.78 | SURFACE | 8 |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | CLASS A | 4,634 | 15.60 | 1.19 | 5,514.46 | SURFACE | 24 |
| Tubing | | | | | | | |

Drillers TD (ft) 23,337 Loggers TD (ft) 23,337
 Deepest formation penetrated _____ Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6,735'

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: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 INTERMEDIATE: 24 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 PRODUCTION: 181 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

RECEIVED
Office of Oil and Gas

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

JUN 10 2021

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____
 WV Department of Environmental Protection

08/27/2021

API 47-009-00307 Farm name THE GENE CHARLES VALENTINE TRUST DATE 11/26/86 Well number OV ROYALTY TRUST LLC BRK 405H

| <u>PRODUCING FORMATION(S)</u> | <u>DEPTHS</u> | | |
|-------------------------------|---------------|------------|-------------------------|
| <u>MARCELLUS</u> | <u>5,771'</u> | <u>TVD</u> | <u>7,966'</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 2045 psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas 4,349 mcfpd Oil 1,190 bpd NGL _____ bpd Water 1,306 bpd GAS MEASURED BY Estimated Orifice Pilot

| <u>LITHOLOGY/ FORMATION</u> | <u>TOP</u> | | <u>BOTTOM</u> | | <u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u> |
|---------------------------------|---------------------------------|----------------------------|---------------------------|---------------------------|--|
| | <u>DEPTH IN FT NAME TVD</u> | <u>DEPTH IN FT TVD</u> | <u>DEPTH IN FT MD</u> | <u>DEPTH IN FT MD</u> | |
| | <u>0</u> | | <u>0</u> | | |
| | <u>SEE</u> | <u>ATTACHMENT</u> | <u>3</u> | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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 1080 US-33 City WESTON State WV Zip 26452

Stimulating Company SWN DRILLING COMPANY
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

RECEIVED
Office of Oil and Gas
JUN 10 2021

Please insert additional pages as applicable.

Completed by BOBBY WILLIS Telephone 832-796-2884
Signature [Signature] Title SENIOR REGULATORY ANALYST Date 6/9/2021 WV Department of Environmental Protection

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

08/27/2021

Hydraulic Fracturing Fluid Product Component Information Disclosure

| | |
|--------------------------------|------------------------------|
| Job Start Date: | 3/1/2021 |
| Job End Date: | 3/17/2021 |
| State: | West Virginia |
| County: | Brooke |
| API Number: | 47-009-00307-00-00 |
| Operator Name: | Southwestern Energy |
| Well Name and Number: | OV ROYALTY TRUST LLC BRK 405 |
| Latitude: | 40.28565600 |
| Longitude: | -80.58416100 |
| Datum: | NAD83 |
| Federal Well: | NO |
| Indian Well: | NO |
| True Vertical Depth: | 5,742 |
| Total Base Water Volume (gal): | 28,884,864 |
| 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 | 90.17978 | Density = 8.345 |
| Ingredients | Listed Above | Listed Above | | | | | |
| | | | Water | 7732-18-5 | 85.00000 | 0.22185 | |

RECEIVED
 Office of Oil and Gas
 WV Department of
 Environmental Protection
 JUN 10 2021

| | | | | | | | |
|-----------------|-------------------|---------------------|--|--------------|--|--|--|
| Plexaid 655WG | SWN Well Services | Scale Inhibitor | | | | | |
| | | | | Listed Below | | | |
| Econo-CI200 | SWN Well Services | Corrosion Inhibitor | | | | | |
| | | | | Listed Below | | | |
| SWN FRW-11LC | SWN Well Services | Friction Reducer | | | | | |
| | | | | Listed Below | | | |
| Sand | SWN Well Services | Proppant | | | | | |
| | | | | Listed Below | | | |
| HCL | SWN Well Services | Solvent | | | | | |
| | | | | Listed Below | | | |
| Tolicide PS 50A | SWN Well Services | Biocide | | | | | |
| | | | | Listed Below | | | |
| Ecopol-FEAC | SWN Well Services | Iron Control | | | | | |
| | | | | 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 | 9.53554 | |
| | | | Hydrochloric Acid | 7647-01-0 | 15.00000 | 0.02804 | |
| | | | Petroleum Distillates, Hydrotreated | 64742-47-8 | 25.00000 | 0.01958 | |
| | | | Tetrakis | 55566-30-8 | 55.00000 | 0.00661 | |
| | | | Glycerin | 56-81-5 | 50.00000 | 0.00307 | |

WV Department of Environmental Protection
 Office of Oil and Gas
 JUN 10 2021
 RECEIVED

| | | | | | | | |
|--|--|--|---------------------------------|-------------|----------|---------|--|
| | | | Ammonium Chloride | 12125-02-9 | 2.00000 | 0.00157 | |
| | | | Oleic Acid Diethanolamide | 93-83-4 | 1.50000 | 0.00118 | |
| | | | Alcohols, C12-1, ethoxylated | 68551-12-2 | 1.50000 | 0.00118 | |
| | | | Diethylenetriamine penta | 15827-60-8 | 10.00000 | 0.00061 | |
| | | | Acetic Acid | 64-19-7 | 37.50000 | 0.00037 | |
| | | | Methanol | 67-56-1 | 80.00000 | 0.00023 | |
| | | | Citric Acid | 77-92-9 | 22.50000 | 0.00022 | |
| | | | Acrylic acid terpolymer | 397256-50-7 | 1.00000 | 0.00012 | |
| | | | Oxyalkylated fatty acid | 68951-67-7 | 9.67400 | 0.00003 | |
| | | | Fatty acids | 61790-12-3 | 5.02700 | 0.00001 | |
| | | | Modified thiourea polymer | 68527-49-1 | 4.74600 | 0.00001 | |
| | | | Potassium acetate | 127-08-2 | 0.02200 | 0.00000 | |
| | | | Formaldehyde | 50-00-0 | 0.00400 | 0.00000 | |

* 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)

WV Department of
 Environmental Protection

JUN 10 2011

RECEIVED
 Office of Operations

OV ROYALTY TRUST LLC BRK 405H
ATTACHMENT 1
PERF REPORT

| STAGE NUM | Perf Date | Perf Bottom MD | Perf Top MD2 | # SHOTS PER STG |
|-----------|-----------|----------------|--------------|-----------------|
| 1 | 2/22/2021 | 23,125 | 22,946 | 36 |
| 2 | 3/2/2021 | 22,912 | 22,733 | 36 |
| 3 | 3/2/2021 | 22,700 | 22,521 | 36 |
| 4 | 3/2/2021 | 22,487 | 22,308 | 36 |
| 5 | 3/3/2021 | 22,274 | 22,095 | 36 |
| 6 | 3/3/2021 | 22,062 | 21,883 | 36 |
| 7 | 3/3/2021 | 21,845 | 21,670 | 36 |
| 8 | 3/4/2021 | 21,637 | 21,459 | 36 |
| 9 | 3/4/2021 | 21,424 | 21,245 | 36 |
| 10 | 3/4/2021 | 21,211 | 21,032 | 36 |
| 11 | 3/4/2021 | 20,999 | 20,819 | 36 |
| 12 | 3/5/2021 | 20,786 | 20,607 | 36 |
| 13 | 3/5/2021 | 20,573 | 20,394 | 36 |
| 14 | 3/5/2021 | 20,361 | 20,181 | 36 |
| 15 | 3/5/2021 | 20,148 | 19,969 | 36 |
| 16 | 3/6/2021 | 19,935 | 19,756 | 36 |
| 17 | 3/6/2021 | 19,723 | 19,544 | 36 |
| 18 | 3/6/2021 | 19,510 | 19,331 | 36 |
| 19 | 3/6/2021 | 19,297 | 19,118 | 36 |
| 20 | 3/7/2021 | 19,085 | 18,906 | 36 |
| 21 | 3/7/2021 | 18,872 | 18,693 | 36 |
| 22 | 3/7/2021 | 18,660 | 18,480 | 36 |
| 23 | 3/7/2021 | 18,447 | 18,268 | 36 |
| 24 | 3/7/2021 | 18,230 | 18,055 | 36 |
| 25 | 3/8/2021 | 18,022 | 17,842 | 36 |
| 26 | 3/8/2021 | 17,809 | 17,630 | 36 |
| 27 | 3/8/2021 | 17,596 | 17,417 | 36 |
| 28 | 3/8/2021 | 17,384 | 17,205 | 36 |
| 29 | 3/9/2021 | 17,171 | 16,994 | 36 |
| 30 | 3/9/2021 | 16,958 | 16,779 | 36 |
| 31 | 3/9/2021 | 16,746 | 16,567 | 36 |
| 32 | 3/9/2021 | 16,533 | 16,354 | 36 |
| 33 | 3/9/2021 | 16,321 | 16,141 | 36 |
| 34 | 3/10/2021 | 16,108 | 15,929 | 36 |
| 35 | 3/10/2021 | 15,892 | 15,713 | 36 |
| 36 | 3/10/2021 | 15,683 | 15,503 | 36 |
| 37 | 3/10/2021 | 15,470 | 15,291 | 36 |
| 38 | 3/10/2021 | 15,257 | 15,082 | 36 |
| 39 | 3/11/2021 | 15,045 | 14,869 | 36 |
| 40 | 3/11/2021 | 14,832 | 14,653 | 36 |
| 41 | 3/11/2021 | 14,619 | 14,440 | 36 |
| 42 | 3/11/2021 | 14,407 | 14,230 | 36 |
| 43 | 3/11/2021 | 14,194 | 14,013 | 36 |
| 44 | 3/12/2021 | 13,985 | 13,802 | 36 |
| 45 | 3/12/2021 | 13,769 | 13,590 | 36 |
| 46 | 3/12/2021 | 13,556 | 13,379 | 36 |
| 47 | 3/12/2021 | 13,344 | 13,200 | 30 |
| 48 | 3/12/2021 | 13,166 | 12,952 | 42 |
| 49 | 3/13/2021 | 12,918 | 12,739 | 36 |
| 50 | 3/13/2021 | 12,706 | 12,529 | 36 |
| 51 | 3/13/2021 | 12,493 | 12,318 | 36 |
| 52 | 3/13/2021 | 12,280 | 12,101 | 36 |
| 53 | 3/13/2021 | 12,068 | 11,889 | 36 |
| 54 | 3/13/2021 | 11,855 | 11,676 | 36 |
| 55 | 3/14/2021 | 11,642 | 11,466 | 36 |
| 56 | 3/14/2021 | 11,430 | 11,249 | 36 |
| 57 | 3/14/2021 | 11,217 | 11,038 | 36 |
| 58 | 3/14/2021 | 11,005 | 10,825 | 36 |
| 59 | 3/14/2021 | 10,792 | 10,613 | 36 |
| 60 | 3/14/2021 | 10,579 | 10,400 | 36 |
| 61 | 3/15/2021 | 10,367 | 10,183 | 36 |
| 62 | 3/15/2021 | 10,154 | 9,979 | 36 |
| 63 | 3/15/2021 | 9,941 | 9,760 | 30 |
| 64 | 3/15/2021 | 9,729 | 9,546 | 36 |
| 65 | 3/15/2021 | 9,516 | 9,337 | 36 |
| 66 | 3/16/2021 | 9,300 | 9,124 | 36 |
| 67 | 3/16/2021 | 9,087 | 8,912 | 36 |
| 68 | 3/16/2021 | 8,878 | 8,699 | 36 |
| 69 | 3/16/2021 | 8,665 | 8,486 | 36 |
| 70 | 3/16/2021 | 8,453 | 8,274 | 36 |
| 71 | 3/17/2021 | 8,240 | 8,061 | 36 |

RECEIVED
Office of Oil and Gas

JUN 10 2021

WV Department of
Environmental Protection

08/27/2021

OV ROYALTY TRUST LLC BRK 405H

ATTACHMENT 2

STIM REPORT

| STAGE NUM | Stim Date | Ave Pump Rate (BPM) | Ave Treatment | Max Breakdown | ISIP (PSI) | Amount of Proppant | Amount of water bbls | Amount of nitrogen/oth |
|-----------|-----------|---------------------|---------------|---------------|------------|--------------------|----------------------|------------------------|
| 1 | 3/1/2021 | 75.2 | 8,305 | 4,529 | 4,283 | 356,320 | 10,669 | 0 |
| 2 | 3/2/2021 | 90.6 | 8,326 | 4,302 | 4,198 | 357,860 | 11,267 | 0 |
| 3 | 3/2/2021 | 77.92 | 8,559 | 5,285 | 3,565 | 358,240 | 11,400 | 0 |
| 4 | 3/2/2021 | 87.11 | 8,088 | 4,300 | 4,256 | 359,440 | 10,579 | 0 |
| 5 | 3/3/2021 | 84.56 | 7,970 | 4,051 | 4,116 | 361,870 | 11,011 | 0 |
| 6 | 3/3/2021 | 82.56 | 8,227 | 5,051 | 4,559 | 359,820 | 10,167 | 0 |
| 7 | 3/3/2021 | 91.92 | 7,954 | 4,827 | 4,448 | 360,880 | 11,020 | 0 |
| 8 | 3/4/2021 | 89.67 | 8,175 | 4,853 | 5,044 | 358,860 | 9,963 | 0 |
| 9 | 3/4/2021 | 90.44 | 8,127 | 4,012 | 4,714 | 316,480 | 9,245 | 0 |
| 10 | 3/4/2021 | 87.56 | 8,031 | 4,347 | 4,527 | 359,220 | 9,897 | 0 |
| 11 | 3/4/2021 | 93 | 8,139 | 3,942 | 4,873 | 362,320 | 10,433 | 0 |
| 12 | 3/5/2021 | 100 | 7,876 | 4,952 | 4,904 | 356,960 | 9,936 | 0 |
| 13 | 3/5/2021 | 93.22 | 7,974 | 5,395 | 5,048 | 356,020 | 9,980 | 0 |
| 14 | 3/5/2021 | 94 | 8,014 | 3,836 | 4,741 | 356,940 | 10,063 | 0 |
| 15 | 3/5/2021 | 100 | 7,816 | 6,153 | 4,503 | 353,290 | 9,896 | 0 |
| 16 | 3/6/2021 | 100 | 7,978 | 5,018 | 4,680 | 356,640 | 10,459 | 0 |
| 17 | 3/6/2021 | 91.56 | 7,528 | 3,987 | 4,140 | 358,900 | 11,479 | 0 |
| 18 | 3/6/2021 | 93.89 | 7,927 | 5,002 | 4,740 | 356,320 | 9,856 | 0 |
| 19 | 3/6/2021 | 99.56 | 8,125 | 5,401 | 4,722 | 362,280 | 10,094 | 0 |
| 20 | 3/7/2021 | 99.56 | 8,166 | 4,864 | 4,739 | 356,080 | 9,847 | 0 |
| 21 | 3/7/2021 | 94 | 7,960 | 4,015 | 4,785 | 359,680 | 9,758 | 0 |
| 22 | 3/7/2021 | 93.67 | 7,958 | 5,416 | 4,268 | 357,460 | 9,966 | 0 |
| 23 | 3/7/2021 | 94 | 7,797 | 4,283 | 4,672 | 359,200 | 11,237 | 0 |
| 24 | 3/7/2021 | 99.33 | 7,785 | 4,350 | 4,667 | 356,860 | 9,793 | 0 |
| 25 | 3/8/2021 | 94.78 | 7,660 | 5,245 | 4,670 | 355,760 | 9,791 | 0 |
| 26 | 3/8/2021 | 94.56 | 7,402 | 5,103 | 4,341 | 363,600 | 10,797 | 0 |
| 27 | 3/8/2021 | 100 | 7,796 | 5,827 | 4,509 | 351,700 | 9,829 | 0 |
| 28 | 3/8/2021 | 99.44 | 7,986 | 5,617 | 4,874 | 353,620 | 9,571 | 0 |
| 29 | 3/9/2021 | 99.78 | 7,725 | 5,642 | 4,949 | 356,060 | 9,690 | 0 |
| 30 | 3/9/2021 | 93.89 | 7,390 | 5,390 | 4,938 | 360,460 | 9,753 | 0 |
| 31 | 3/9/2021 | 94.11 | 7,776 | 5,417 | 4,815 | 358,620 | 9,463 | 0 |
| 32 | 3/9/2021 | 98.78 | 7,951 | 5,876 | 4,477 | 357,520 | 9,486 | 0 |
| 33 | 3/9/2021 | 99.22 | 7,870 | 5,765 | 4,635 | 357,700 | 9,520 | 0 |
| 34 | 3/10/2021 | 100 | 7,737 | 5,204 | 4,710 | 352,700 | 9,423 | 0 |
| 35 | 3/10/2021 | 95.44 | 7,439 | 3,816 | 4,652 | 362,100 | 9,388 | 0 |
| 36 | 3/10/2021 | 95.22 | 7,614 | 4,738 | 4,975 | 361,660 | 9,421 | 0 |
| 37 | 3/10/2021 | 95.33 | 7,672 | 5,341 | 4,729 | 360,180 | 9,520 | 0 |
| 38 | 3/10/2021 | 99.44 | 7,856 | 5,966 | 4,603 | 358,020 | 9,253 | 0 |
| 39 | 3/11/2021 | 99.33 | 7,942 | 6,122 | 4,603 | 356,000 | 9,551 | 0 |
| 40 | 3/11/2021 | 95.89 | 7,688 | 4,133 | 4,627 | 360,820 | 9,457 | 0 |
| 41 | 3/11/2021 | 95.67 | 7,228 | 5,160 | 4,518 | 363,080 | 9,330 | 0 |
| 42 | 3/11/2021 | 100 | 7,388 | 5,861 | 4,537 | 361,300 | 9,433 | 0 |
| 43 | 3/11/2021 | 99.22 | 7,562 | 5,543 | 4,114 | 361,520 | 9,413 | 0 |
| 44 | 3/12/2021 | 100 | 7,499 | 5,662 | 4,667 | 357,040 | 9,715 | 0 |
| 45 | 3/12/2021 | 96.56 | 7,298 | 5,424 | 4,482 | 358,240 | 9,203 | 0 |
| 46 | 3/12/2021 | 96.56 | 7,321 | 5,102 | 4,139 | 367,600 | 9,309 | 0 |
| 47 | 3/12/2021 | 94.11 | 7,476 | 6,042 | 4,593 | 367,840 | 9,449 | 0 |
| 48 | 3/12/2021 | 98.44 | 7,726 | 5,735 | 4,275 | 358,380 | 9,345 | 0 |
| 49 | 3/13/2021 | 77.22 | 8,038 | 4,415 | 4,090 | 359,120 | 9,561 | 0 |
| 50 | 3/13/2021 | 95.89 | 7,168 | 4,006 | 4,846 | 363,480 | 9,169 | 0 |
| 51 | 3/13/2021 | 94.89 | 7,345 | 5,822 | 4,536 | 364,460 | 9,212 | 0 |
| 52 | 3/13/2021 | 94.56 | 7,273 | 4,315 | 4,536 | 365,120 | 9,238 | 0 |
| 53 | 3/13/2021 | 99.22 | 7,450 | 6,167 | 4,902 | 355,940 | 9,168 | 0 |
| 54 | 3/13/2021 | 98.67 | 7,381 | 6,258 | 4,484 | 357,480 | 8,951 | 0 |
| 55 | 3/14/2021 | 98.33 | 7,518 | 6,247 | 4,863 | 359,360 | 9,157 | 0 |
| 56 | 3/14/2021 | 95.67 | 7,274 | 6,104 | 4,253 | 360,920 | 9,315 | 0 |
| 57 | 3/14/2021 | 96.78 | 7,136 | 4,222 | 4,635 | 356,140 | 9,233 | 0 |
| 58 | 3/14/2021 | 96.22 | 7,186 | 5,475 | 4,532 | 362,200 | 9,207 | 0 |
| 59 | 3/14/2021 | 99.78 | 7,070 | 4,088 | 5,001 | 355,220 | 9,197 | 0 |
| 60 | 3/15/2021 | 99.78 | 7,274 | 5,418 | 4,726 | 360,900 | 9,230 | 0 |
| 61 | 3/15/2021 | 97.78 | 7,086 | 4,985 | 5,012 | 361,640 | 9,009 | 0 |
| 62 | 3/15/2021 | 97.44 | 7,082 | 5,446 | 4,549 | 363,020 | 9,029 | 0 |
| 63 | 3/15/2021 | 96.22 | 7,231 | 3,955 | 4,693 | 366,180 | 8,957 | 0 |
| 64 | 3/15/2021 | 99.78 | 6,832 | 3,820 | 5,069 | 363,100 | 9,255 | 0 |
| 65 | 3/15/2021 | 100 | 7,009 | 4,838 | 4,831 | 365,200 | 9,129 | 0 |
| 66 | 3/16/2021 | 100 | 6,552 | 4,128 | 4,753 | 365,240 | 9,346 | 0 |
| 67 | 3/16/2021 | 97.89 | 6,643 | 4,601 | 4,836 | 366,980 | 9,284 | 0 |
| 68 | 3/16/2021 | 97.78 | 6,434 | 3,971 | 4,931 | 360,820 | 9,008 | 0 |
| 69 | 3/16/2021 | 100 | 6,697 | 5,190 | 4,897 | 356,680 | 9,134 | 0 |
| 70 | 3/16/2021 | 100 | 6,677 | 5,407 | 5,028 | 357,320 | 9,261 | 0 |
| 71 | 3/17/2021 | 100 | 6,613 | 5,210 | 4,186 | 361,840 | 9,892 | 0 |

RECEIVED
Office of Oil and Gas
JUN 10 2021
WV Department of
Environmental Protection

08/27/2021



Well Name:

OV ROYALTY TRUST LLC BRK 405H

47009003070000

| 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 | 396.00 | 396.00 | |
| Top of Salt Water | 512.00 | 512.00 | NA | NA | |
| Pittsburgh Coal | 221.00 | 221.00 | 227.00 | 227.00 | |
| Pottsville (ss) | 306.00 | 306.00 | 380.00 | 380.00 | |
| Raven Cliff (ss) | 752.00 | 752.00 | 891.00 | 891.00 | |
| Big Injun (ss) | 1354.00 | 1354.00 | 1488.00 | 1488.00 | |
| Berea (siltstone) | 1836.00 | 1795.00 | 1874.00 | 1831.00 | |
| Rhinestreet (shale) | 7155.00 | 5261.00 | 7467.00 | 5503.00 | |
| Cashaqua (shale) | 7467.00 | 5503.00 | 7573.00 | 5577.00 | |
| Middlesex (shale) | 7573.00 | 5577.00 | 7634.00 | 5615.00 | |
| Burket (shale) | 7634.00 | 5615.00 | 7659.00 | 5630.00 | |
| Tully (ls) | 7659.00 | 5630.00 | 7757.00 | 5686.00 | |
| Mahantango (shale) | 7757.00 | 5686.00 | 7966.00 | 5771.00 | |
| Marcellus (shale) | 7966.00 | 5771.00 | NA | NA | GAS |

RECEIVED
 Office of Oil and Gas
 WV Department of
 Environmental Protection
 JUN 10 2021

Latitude: 40°17'30" N

SURFACE HOLE 231'

Latitude: 40°20'00" N BOTTOM HOLE

1,530'

JACKSON SURVEYING INC.

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

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,459,545.744
EASTING: 535,347.423

LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,458,882.562
EASTING: 535,357.934

AZIMUTH POINT LOCATION 1 (AZL1):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,722.335
EASTING: 535,283.762

AZIMUTH POINT LOCATION 2 (AZL2):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,837.574
EASTING: 535,249.045

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,463,237.630
EASTING: 534,930.654

Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains data for L1, L2, L3, L4.

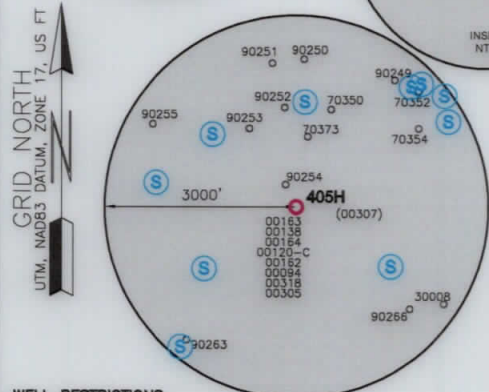
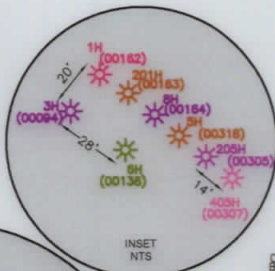
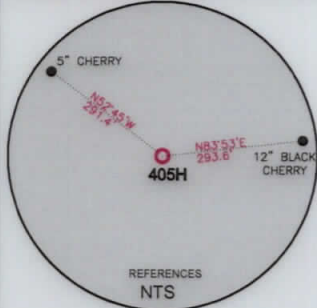
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,459,545.949
EASTING: 535,347.549

LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,458,894.293
EASTING: 536,356.324

AZIMUTH POINT LOCATION 1 (AZL1):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,715.850
EASTING: 535,284.179

AZIMUTH POINT LOCATION 2 (AZL2):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,849.417
EASTING: 535,245.198

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,463,236.677
EASTING: 534,934.189



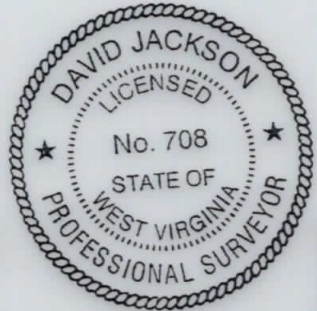
SHL 5,250'
BOTTOM HOLE 2,190'
SURFACE HOLE 2,190'
Longitude: 80°35'00" W

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. NO 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.
4. 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.



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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

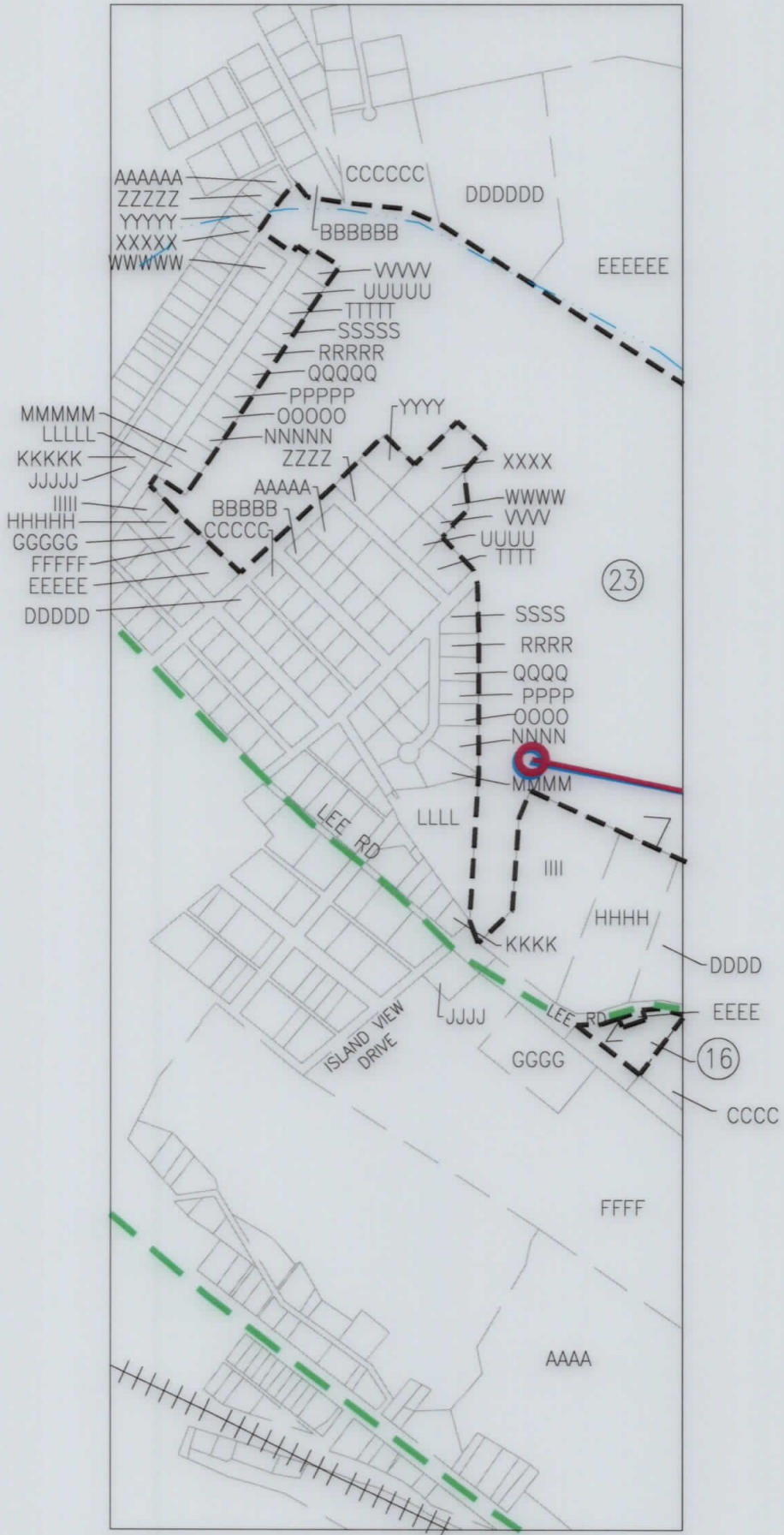
OV ROYALTY TRUST LLC BRK
OPERATOR'S WELL #: 405H
API WELL #: 47 009 00307
STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: PAINTERS RUN OF BUFFALO CREEK (HUC-10) ELEVATION: 1180.5'
DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STUEBENVILLE EAST, WV
SURFACE OWNER: THE GENE CHARLES VALENTINE TRUST DATED 11/26/86 ACREAGE: ±494.38
OIL & GAS ROYALTY OWNER: THE GENE CHARLES VALENTINE TRUST DATED 11/26/86 ACREAGE: ±464.38
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: 3,627' IVD 23,484' TMD

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

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, ASDRILLED PATH, PROPOSED PATH, AZL, AZIMUTH POINT LOCATION
REVISIONS: DATE: 04-30-2021
DRAWN BY: N. MANO
SCALE: 1" = 3000'
DRAWING NO:
WELL LOCATION PLAT

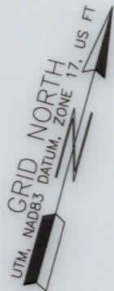
JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851



DETAIL "A"

08/27/2021

| | | | | | |
|-------------|-------------------------------------|---------|----------------------|--|-------------------|
| REVISIONS: | COMPANY: | | | | |
| | | | | | |
| | OPERATOR'S OV ROYALTY TRUST LLC BRK | | API #: | | DATE: 04-30-2021 |
| | WELL #: | | 47-009-00307 | | DRAWN BY: N. MANO |
| | DISTRICT: | COUNTY: | STATE: | | SCALE: N/A |
| CROSS CREEK | BROOKE | WV | DRAWING NO: | | |
| | | | WELL LOCATION PLAT 2 | | |



DETAIL "B"

08/27/2021



| | | | |
|------------|-------------------------------------|--------------|----------------------|
| REVISIONS: | COMPANY: | | |
| | OPERATOR'S OV ROYALTY TRUST LLC BRK | API #: | DATE: 04-30-2021 |
| | WELL #: | 47-009-00307 | DRAWN BY: N. MANO |
| | DISTRICT: | COUNTY: | STATE: |
| | CROSS CREEK | BROOKE | WV |
| | | | SCALE: N/A |
| | | | DRAWING NO: |
| | | | WELL LOCATION PLAT 3 |

**JACKSON SURVEYING
INC.**
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

| WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS | | |
|--|--|-------------|
| TRACT | SURFACE OWNER (S) / ROYALTY OWNER (R) | TAX PARCEL |
| 1 | THE GENE CHARLES VALENTINE TRUST DATED 11/26/86 (S/R) | 4-CC22-41 |
| TRACT | SURFACE OWNER | TAX PARCEL |
| 2 | SCHIAPPA AND COMPANY INC. (S) | 4-CC28-02 |
| 3 | WILLIAM R. AFTANAS & MARGARET L. AFTANAS (S) | 4-CC23-236 |
| 4 | MCCOMBS FAMILY TRUST 4/3/19 (S) | 4-CC23-238 |
| 5 | MCCOMBS FAMILY TRUST (S) | 4-CC23-239 |
| 6 | JAMES W. FERGUSON (S) | 4-CC23-243 |
| 7 | JAMES W. LUNSFORD (S) | 4-CC23-245 |
| 8 | JAMES LUNSFORD (S) | 04-CC23-203 |
| 9 | DONNA KATHRYN HALL (S) | 4-CC23-229 |
| 10 | CHARLES KIRCHNER & JUDITH KIRCHNER ALLEMAN, ET AL (S) | 4-CC23-230 |
| 11 | FLOYD EUGENE TAYLOR & RHONDA C. TAYLOR (S) | 4-CC23-5 |
| 12 | FLOYD EUGENE TAYLOR & RHONDA C. TAYLOR (S) | 4-CC23-6 |
| 13 | FLOYD E. TAYLOR SR. & RHONDA C. TAYLOR (SURV)(S) | 4-CC23-4 |
| 14 | JAMES DODD, JEANNE MCGILL, & ROBIN GEORGE (S) | 4-CC19-13 |
| 15 | DANIEL MCGOWAN & MARJORIE G. MCGOWAN (S) | 4-CC19-6 |
| 16 | CAMPBELL SHELDON PALIZZI (S) | 4-CC19-25 |
| 17 | TRAVIS JAMES MCALEER & KAREN A. PIEHS (S) | 4-CC19-26 |
| 18 | RICHARD E. RYAN & CAROLYN G. RYAN (S) | 4-CC19-27 |
| 19 | BOARD OF EDUCATION (S) | 4-CC18-33 |
| 20 | NORFOLK & WESTERN RAILWAY CO. (S) | 4-C19K-18 |
| 21 | BOARD OF EDUCATION (S) | 4-CC19-38 |
| 22 | BOFFO FAMILY LIMITED PARTNERSHIP (S) | 4-CC18-32 |
| 23 | BOFFO FAMILY LIMITED PARTNERSHIP (S) | 4-CC18-7 |

| ADJOINING OWNERS TABLE | | | ADJOINING OWNERS TABLE | | |
|------------------------|--|-------------|------------------------|--|--------------|
| TRACT | SURFACE OWNER | TAX PARCEL | TRACT | SURFACE OWNER | TAX PARCEL |
| A | MIKE RYNAWEC & SHIRLEY MAE RYNAWEC | 03-B28A-04 | AAA | JAMES DODD, ROBIN GEORGE, & JEANNE MCGILL | 04-CC18-53 |
| B | ROBERT R. FONNER & MICHELLE FONNER | 04-CC28-01 | BBB | JAMES DODD, ROBIN GEORGE, & JEANNE MCGILL | 04-CC18-52 |
| C | JOHN W. & NANCY TRAUBERT | 04-CC23-234 | CCC | JAMES D. BUCHWACH | 04-CC18-50 |
| D | PAUL LISH & PATRICIA ANN LISH | 04-CC22-50 | DDD | JAMES D. BUCHWACH | 04-CC18-51 |
| E | OV ROYALTY TRUST LLC | 04-CC22-49 | EEE | JAMES D. BUCHWACH | 04-CC18-43 |
| F | RONALD CONAWAY, DONALD CONAWAY & PATRICIA CONAWAY | 04-CC22-47 | FFF | JOHN P. HOSLER & GERALDINE HOSLER | 04-CC18-42 |
| G | SAMUEL J. & MELANIE A. DONINI | 04-CC22-45 | GGG | JASON CARBASHO | 04-CC18-54 |
| H | LOUIS M. & TINA L. MCGOWAN | 04-CC22-44 | HHH | MONONGAHELA POWER CO. | 04-CC19-12 |
| I | TINA L. MCGOWAN | 04-CC22-43 | III | BOARD OF EDUCATION | 04-CC19-11 |
| J | MICHAEL E. FRIEND | 04-CC22-42 | JJJ | PHYLLIS MARKER | 04-CC18-41 |
| K | JOHN C. BOBER III & JENNIFER R. BOBER | 07-W22L-18 | KKK | JEAN SHIRLEY DOUBLES | 04-CC18-44 |
| L | UNKNOWN | 07-W22L-17 | LLL | ROBIN L. HIMMERLICK (LE ELLA MAE HAYMAN) | 04-CC18-45 |
| M | RICHARD L. FRYER | 07-W22L-11 | MMM | GARY HENTHORN | 04-CC18-46 |
| N | CHRISTINE L. ICE | 07-W22L-8 | NNN | ROBIN L. HIMMERLICK (LE ELLA MAE HAYMAN) | 04-CC18-47 |
| O | CHRISTINE L. ICE | 07-W22L-9 | OOO | JAMES DODD, ROBIN GEORGE, & JEANNE MCGILL | 04-CC18-48 |
| P | CHRISTINE L. ICE | 07-W22L-10 | PPP | JAMES DODD, ROBIN GEORGE, & JEANNE MCGILL | 04-CC18-49 |
| Q | LARRY N. CLEMONS & SANDRA K. CLEMONS | 07-W22L-4 | QQQ | THOMAS M. BOYD, RICHARD A. BOYD, DAVID S. BOYD, TRUSTEES IN TRUST OF THOMAS J. BOYD | 04-CC18-57 |
| R | UNKNOWN | 07-W22L-5 | RRR | BOARD OF EDUCATION | 04-CC18-34 |
| S | WILLIAM RIGGS | 04-C22G-82 | SSS | BOARD OF EDUCATION | 04-CC18-35 |
| T | ROBERT J. ZAMPINI | 04-C22G-81 | TTT | BOARD OF EDUCATION | 04-CC18-37 |
| U | ROBERT J. ZAMPINI | 04-C22G-80 | UUU | NORFOLK & WESTERN RAILWAY CO. | 04-C19K-18 |
| V | T.H. CALDWELL HEIRS | 04-C22G-79 | VVV | BOARD OF EDUCATION | 04-CC18-31 |
| W | JACKIE RAY COLLEY, ROBERTA G. COLLEY | 04-C22G-64 | WWW | NORFOLK & WESTERN RAILWAY CO. | 04-CC18-28 |
| X | JACKIE COLLEY, ROBERTA G. COLLEY | 04-C22G-63 | XXX | PITTSBURGH & WVA RAILWAY CO. | 04-CC18-27 |
| Y | FRANKLIN FRAGALE | 07-W22G-7 | YYY | PITTSBURGH & WVA RAILWAY CO. | 04-CC18-21 |
| Z | JOHN WHITE, ROBERT WHITE, SHARON FREY, LE KATHRYN WHITE, RALPH WHITE, JEFFERY WHITE | 07-W22G-5 | ZZZ | BELLAIRE HARBOR SERVICES LLC (LE REBECCA JOHNSON) | 04-CC18-20 |
| AA | JOHN WHITE, ROBERT WHITE, SHARON FREY, LE KATHRYN WHITE, RALPH WHITE, JEFFERY WHITE | 04-C22G-8 | AAAA | ILONA POGGI | 04-CC18-14 |
| BB | DAVID R. ROTHWELL & WYNONNA ROTHWELL | 04-C22G-19 | BBBB | BOFFO FAMILY LIMITED PARTNERSHIP | 04-CC18-5 |
| CC | DAVID ROGER ROTHWELL, C/O JOHN BASSETT | 04-C22G-20 | CCCC | JAC-FRED WV LLC A NORTH CAROLINA LLC | 04-CC18-6 |
| DD | JUDITH L. FOWLER | 04-C22G-31 | DDDD | LG - OHI FOLLANSBEE, LLC | 04-CC18-9 |
| EE | VIRGINIA PRICE | 04-C22G-33 | EEEE | LG - OHI FOLLANSBEE, LLC | 04-CC18-8 |
| FF | GEORGE ENNIS | 04-C22G-44 | FFFF | BISHOP OF CATHOLIC DIOCESE WHEELING/CHARLESTON | 04-CC18-2 |
| GG | GEORGE F. ENNIS | 04-C22G-45 | GGGG | CITY OF FOLLANSBEE | 04-CC18-4 |
| HH | EARL W. MILLER JR. | 04-C22G-46 | HHHH | LG - OHI FOLLANSBEE, LLC | 04-CC18-10 |
| II | MARK KOSCEVIC | 04-C22G-32 | IIII | JAC-FRED WV LLC A NORTH CAROLINA LLC | 04-CC18-11 |
| JJ | TERRY L. SMITH & LORA J. SMITH | 04-C22C-122 | JJJJ | COLUMBIA GAS | 04-CC18-3 |
| KK | FRANK CARUSO & LISA C. CARUSO | 04-C22G-60 | KKKK | KENT ORBAN | 04-CC18-12 |
| LL | CHARLES R. BOGGS | 04-C22G-57 | LLLL | BURL R. WILLIAMS JR. | 04-C14S-218 |
| MM | CHARLES ISINGHOOD SR. | 04-CC22-32 | MMMM | MICHAEL EICHNER & LINDA S. EICHNER | 04-C14S-74 |
| NN | JIMMIE D. GEORGE & ROBIN J. GEORGE | 04-CC22-31 | NNNN | MICHAEL EICHNER & LINDA S. EICHNER | 04-C14S-75 |
| OO | DALE E. ADAMS & MARY K. ADAMS | 04-CC22-30 | OOOO | CARL FREDERICK BOFFO | 04-C14S-76 |
| PP | STEVEN P. DIPASQUALE & MARCY DIPASQUALE | 04-CC22-26 | PPPP | TERRY L. FRANKENFIELD & CHERYL L. FRANKENFIELD | 04-C14S-77 |
| QQ | DONALD C. TAYLOR JR. & JOAN WILLIAMS ET AL | 04-CC22-20 | QQQQ | STEPHEN PRITCHARD & BARBARA PRITCHARD | 04-C14S-78 |
| RR | ERIN R. SNODGRASS | 04-CC22-21 | RRRR | DAVID W. BARNHART & PAMELA A. BARNHART | 04-C14S-79 |
| SS | RON MICHAUX ET AL (LC JASON & DEANNA GALLOWAY) | 04-CC22-22 | SSSS | RAYMOND H. MCCOY JR. & CYNTHIA S. MCCOY | 04-C14S-80 |
| TT | CAROLYN F. FREEMAN | 04-CC22-25 | TTTT | RICHARD C. DEARTH & STACEY A. DEARTH | 04-C14S-81.1 |
| UU | CAROLYN F. FREEMAN & LAWRENCE FREEMAN | 04-CC23-232 | UUUU | BRIAN BEATTY | 04-C14S-81.2 |
| VV | DORIS J. KIRCHNER | 04-CC23-231 | VVVV | BRIAN L. BEATTY | 04-C14S-219 |
| WW | SHAWN CALDWELL | 04-CC23-3 | WWWW | BRIAN L. BEATTY | 04-C14S-226 |
| XX | JAMES HARWELL DODD JR. | 04-CC23-1 | XXXX | CHRISTOPHER O. RAY & KAREN L. RAY | 04-C14S-225 |
| YY | JAMES HARWELL DODD & LYNN I. DODD | 04-CC22-24 | YYYY | MARK BARBETTA & DAWN BARBETTA | 04-C14S-222 |
| ZZ | DONNA MARIE PRICE | 04-CC22-23 | ZZZZ | MARK BARBETTA & DAWN BARBETTA | 04-C14S-81.4 |

08/27/2021

| | | | |
|------------|-------------------------------------|---|----------------------|
| REVISIONS: | COMPANY: |   | |
| | OPERATOR'S OV ROYALTY TRUST LLC BRK | API #: | DATE: 04-30-2021 |
| | WELL #: | 47-009-00307 | DRAWN BY: N. MANO |
| | DISTRICT: | CROSS CREEK | SCALE: N/A |
| | COUNTY: | BROOKE | DRAWING NO: |
| | STATE: | WV | WELL LOCATION PLAT 4 |

**JACKSON SURVEYING
INC.**

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

| ADJOINING OWNERS TABLE | | | ADJOINING OWNERS TABLE | | |
|------------------------|--|---------------|------------------------|--|--------------|
| TRACT | SURFACE OWNER | TAX PARCEL | TRACT | SURFACE OWNER | TAX PARCEL |
| AAAA | MICHAEL P. ROSKANDICH & KELLY J. ROKSANDICH | 04-C14S-81.3 | DDDDDD | KENNETH J. ULRICH & MICHAELYN ULRICH | 04-CC19-41 |
| BBBB | GARY L. WILLIAMS & SHARON J. WILLIAMS | 04-C14S-84 | EEEEEE | KENNETH J. ULRICH & MICHAELYN ULRICH | 04-CC19-40 |
| CCCC | AARON BURCH | 04-C14S-97 | FFFFFF | GEORGE PAULL PFISTER III | 04-CC19-39 |
| DDDD | BONNIE S. SHAWN | 04-C14S-98 | GGGGGG | BROOKE COUNTY COMMISSION | 04-CC19-193 |
| EEEE | CARL FREDERICK BOFFO | 04-C14S-128 | HHHHHH | BOARD OF EDUCATION | 04-CC19-38.1 |
| FFFF | JAC-FRED WV LLC A NORTH CAROLINA LLC | 04-C14S-129 | IIIIII | JAMES BURNS, RANDY COLLINS | 04-CC19-14 |
| GGGG | JAC-FRED WV LLC A NORTH CAROLINA LLC | 04-C14S-130 | JJJJJJ | CLARENCE T. BLACK & TAMMY L. BLACK | 04-CC19-36 |
| HHHH | JAC-FRED WV LLC A NORTH CAROLINA LLC | 04-C14S-131 | KKKKKK | JEFFERY SCOTT YOUNG, MELANIE DAWN MAXWELL | 04-CC19-35 |
| IIII | LAURA M. FRIEND | 04-C14S-132 | LLLLLL | RANDY & LINDA LOUISE KOWALCZYK | 04-CC19-34 |
| JJJJ | ERNEST C. FRIEND, JR. & ROSALIND FRIEND | 04-C14S-153 | MMMMMM | RANDY & LINDA LOUISE KOWALCZYK | 04-CC19-33 |
| KKKK | JAMES R. BINGEL SR. | 04-C14S-152 | NNNNNN | RANDY & LINDA LOUISE KOWALCZYK | 04-CC19-32 |
| LLLL | RAY L. ADAMS & LISA M. ADAMS | 04-C14S-133 | OOOOOO | TERRY R. JOHNSON & BETH ANN JOHNSON | 04-CC19-28 |
| MMMM | RONALD C. PENROD & JUDITH A. PENROD | 04-C14S-134 | PPPPPP | RANDY LEE KOWALCZYK & LINDA LOUISE KOWALCZYK | 04-CC19-29 |
| NNNN | CHAS & AURORA LOPEZ | 04-C14S-135 | QQQQQQ | CAMPBELL SHELDON PALIZZI | 04-CC19-24 |
| OOOO | SHIRLEY M. KIRTLEY | 04-C14S-136 | RRRRRR | CAMPBELL SHELDON PALIZZI | 04-CC19-23 |
| PPPP | MEGAN E. PINTUS | 04-C14S-137 | SSSSSS | FRANKLIN M. AFTANAS JR. & DEBRA D. AFTANAS | 04-CC19-22 |
| QQQQ | TIFFANY WILLIAMS | 04-C14S-138 | TTTTTT | FRANKLIN M. AFTANAS JR. & DEBRA D. AFTANAS | 04-CC19-20 |
| RRRR | BRIAN L. SMITH & DAWN E. SMITH | 04-C14S-139 | UUUUUU | MARTIN J. BARTZ JR. | 04-CC19-18 |
| SSSS | JOHN M. KUZMA & PATRICIA A. KUZMA | 04-C14S-140 | VVVVVV | DENNIS K. YOST DBA KEITH YOST EXCAVATING | 04-CC19-5 |
| TTTT | ELMER SANDRETH JR. & REBECCA SANDRETH | 04-C14S-141 | WWWWWW | ROGER L. JONES & JULIA ANN JONES | 04-CC19-2 |
| UUUU | THOMAS E. BOREMAN & SHARON BOREMAN | 04-C14S-142 | XXXXXXXX | CHARLES A. HOGGARD | 04-CC19-7 |
| VVVV | THOMAS E. BOREMAN & SHARON BOREMAN | 04-C14S-223 | YYYYYY | FRANK E. SMITH & DORTHA JEAN SMITH, JEFF E. SMITH ET AL | 04-CC19-9 |
| WWWW | GARY W. POWELL | 04-C14S-143 | ZZZZZZ | FRANK E. SMITH & DORTHA JEAN SMITH, JEFF E. SMITH ET AL | 04-CC19-10 |
| XXXX | HAROLD WAUGH & SHIRLEY WAUGH | 04-C14S-174 | AAAAAAA | FRANK E. SMITH & DORTHA JEAN SMITH, JEFF E. SMITH ET AL | 04-CC19-8 |
| YYYY | HAROLD WAUGH & SHIRLEY WAUGH | 04-C14S-175 | BBBBBBB | DANIEL E. MCGOWAN & MARJORIE G. MCGOWAN | 04-CC23-12 |
| ZZZZ | HAROLD WAUGH & SHIRLEY WAUGH | 04-C14S-176 | CCCCCCC | DONALD R. HALL & BEVERLY J. HALL | 04-CC23-9 |
| AAAAA | CITY OF FOLLANSBEE | 04-C14S-177 | DDDDDDD | DONALD R. HALL & BEVERLY J. HALL | 04-CC23-8 |
| BBBBB | TERESA CIONINI | 04-C15N-58 | EEEEEEE | DONALD R. HALL & BEVERLY J. HALL | 04-CC23-7 |
| CCCCC | NORMA B. TRAUBERT, ET AL | 04-C15N-77 | FFFFFFF | ROBERT EVAN MOZINGO, HERBERT MOZINGO, JEFFERY MOZINGO, CHRISTINE STEIN | 04-CC23-11 |
| DDDDD | SHERI A. STIFT | 04-C15N-87 | GGGGGGG | HENRY CUNNINGHAM | 04-CC23-225 |
| EEEEE | DEAN RICHARDSON & SHARON RICHARDSON | 04-C19A-10 | HHHHHHH | KIM E. & ARCHIE L. DOLL | 04-CC23-226 |
| FFFFFF | ANGELA FORD | 04-C19A-106 | IIIIIIII | ROD E. PATTISON & CYNTHIA A. PATTISON | 04-CC23-227 |
| GGGGG | WILLIAM D. SECRIST JR. | 04-C19A-116.1 | JJJJJJJ | RANDALL P. DOLL & KIMBERLY JO DOLL | 04-CC23-204 |
| HHHHH | RICK SNYDER & ESTHER SNYDER | 04-C19A-117 | KKKKKKK | LARRY J. GRAY & BARBARA S. GRAY | 04-CC23-228 |
| IIIII | VERA HUNT BOFFO | 04-C19A-137 | LLLLLLL | ARTHUR J. FRIEND (LE NORMA JEAN FRIEND) | 04-CC23-202 |
| JJJJJ | JADE M. WEEKS & CHRISTOPHER D. WEEKS | 04-C19A-138 | MMMMMMM | HUBERT S. RIGGS & WANDA JO RIGGS | 04-CC23-201 |
| KKKKK | BARBARA GEARY | 04-C19A-146 | NNNNNNN | WILLIAM M. DURBIN | 04-CC23-172 |
| LLLLL | JAMES H. JONES JR., KEVI JONES, DIANNA L. CORDER JONES | 04-C19E-4 | OOOOOOO | KEITH M. MOORE & CHRISTOL A. MOORE | 04-CC23-171 |
| MMMMM | CHRISTINE A. BEARD ROSNOVICH & GEORGE B. ROSNOVICH | 04-C19E-5 | PPPPPPP | JAMES LUNFORD | 4-CC23-51.17 |
| NNNNN | DARRELL HENLINE & DONNA HENLINE | 04-C19E-6 | QQQQQQQ | MICHAEL P. SICURELLA | 04-CC23-249 |
| OOOOO | REBECCA S. BELL, THOMAS C. BELL | 04-C19E-7 | RRRRRRR | GARY W. BYERS & KIMBERLY JO BYERS | 04-CC23-244 |
| PPPPP | REBECCA S. BELL, THOMAS C. BELL | 04-C19E-9 | SSSSSSS | JOYCE S. WILSON | 04-CC23-242 |
| QQQQQ | DONALD P. MCABEE, DENA D. MCABEE | 04-C19E-10 | TTTTTTT | LOIS ELLEN DAUGHERTY | 04-CC23-241 |
| RRRRR | JEFFERY LOUIS FODOR & DREMA DAWN FODOR | 04-C19E-12 | UUUUUUU | JAMES W. FERGUSON | 04-CC23-240 |
| SSSSS | JOSHUA A. HOOKER, JOSEPH C. HOOKER, LE BETH HOOKER | 04-C19E-14 | VVVVVVV | GERALD NARIGON II & PENNIE A. NARIGON | 03-B23P-05 |
| TTTTT | RALPH W. ROWLAND & WILDA K. ROWLAND | 04-C19E-17 | WWWWWWW | BETTY LOU HARRIS | 03-B23P-04 |
| UUUUU | VIRGINIA L. HADDON | 04-C19E-19 | XXXXXXXX | JAMES L. STOCK & JOYCE RENEE STOCK | 03-B23P-03 |
| VVVVV | DONALD K. NORCROSS, LAURA R. NORCROSS BARNES | 04-C19E-24 | YYYYYYY | NAZARENE CHURCH | 04-CC23-237 |
| WWWWW | JACKIE L. FRITZ & KEVIN M. FRITZ | 04-C19E-27 | ZZZZZZZ | ROBERT C. NELSON & JANET NELSON | 03-B23P-02 |
| XXXXX | ROBERT & BRIANA M. HINKLE (JTWS) | 04-C19E-29.1 | AAAAAAA | GEORGE W. SHEPARD JR. & MARGARET SHEPHERD | 03-B23P-01 |
| YYYYY | CHARLES PAUL ULRICH | 04-CC19-88 | BBBBBBB | BRENDA KERR | 03-B28A-41 |
| ZZZZZ | MARY ANN COX | 04-CC19-48 | CCCCCCC | WILLIAM R. AFTANAS & MARGARET AFTANAS | 04-CC28-05 |
| AAAAA | JOHN R. CARE & DORIS JUNE CARE | 04-CC19-46 | DDDDDDD | WILLIAM R. AFTANAS & MARGARET AFTANAS | 04-CC28-03 |
| BBBBB | CHARLES M. ULRICH | 04-CC19-43 | | | |
| CCCCC | CHARLES M. ULRICH | 04-CC19-42 | | | |

08/27/2021

| | | | |
|------------|-----------------------|---|----------------------|
| REVISIONS: | COMPANY: |   | |
| | | OPERATOR'S OV ROYALTY TRUST LLC BRK | API #: |
| | | WELL #: 405H | 47-009-00307 |
| | DISTRICT: CROSS CREEK | COUNTY: BROOKE | STATE: WV |
| | | | DATE: 04-30-2021 |
| | | | DRAWN BY: N. MANO |
| | | | SCALE: N/A |
| | | | DRAWING NO: |
| | | | WELL LOCATION PLAT 5 |