

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

API 47-091-01367 County Taylor District Flemington
Quad Rosemont Pad Name Johnson TFP 40 Field/Pool Name _____
Farm name Renee Johnson Well Number Johnson TFP 40 201
Operator (as registered with the OOG) Arsenal Resources
Address 6031 Wallace Rd Ext, Ste 101 City Wexford State PA Zip 15090

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4345792.14 Easting 571690.56
Landing Point of Curve Northing 4345467.27 Easting 571086.68
Bottom Hole Northing 4340608.17 Easting 572861.04

Elevation (ft) 1332.5 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)
Synthetic Oil Based

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Date permit issued 04/22/2022 Date drilling commenced 7/13/2022 Date drilling ceased 1/16/2023
Date completion activities began 1/27/2023 Date completion activities ceased 7/5/2023
Verbal plugging (Y/N) N Date permission granted NA Granted by NA

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft none reported Open mine(s) (Y/N) depths N
Salt water depth(s) ft none reported Void(s) encountered (Y/N) depths N
Coal depth(s) ft none reported Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
MDK
10/18/2023

API 47-091 - 01367 Farm name Renee Johnson Well number Johnson TFP 40 201

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	30"	24"	120'	New	94	NA	Y
Surface	17 1/2"	13 3/8"	728' GL	New	54.5	NA	Y
Coal	NA	NA	NA	NA	NA	NA	N
Intermediate 1	12 1/4"	9 5/8"	2,108' GL	New	40.0	NA	Y
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	8 1/2"	5 1/2"	25,429' GL	New	20.0	NA	Y
Tubing	NA	NA	NA	NA	NA	NA	NA
Packer type and depth set		NA					

Comment Details Cement to surface on Conductor, Surface, and Intermediate. Top of production cement at 975'(GL)ft.

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	A	260	15.60	1.30	338	Surface	8+
Surface	A	707	15.60	1.19	841.3	Surface	8+
Coal	NA	NA	NA	NA	NA	NA	NA
Intermediate 1	A	730	15.60	1.19	868.7	Surface	8+
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	A	995/3605	14.0/14.5	1.38/1.22	1,373.1/4398.1	975' (GL)	8+
Tubing	NA	NA	NA	NA	NA	NA	NA

Drillers TD (ft) 25,494'(GL) Loggers TD (ft) NA

Deepest formation penetrated Marcellus Plug back to (ft) 2,826

Plug back procedure Cut and pulled free 5.5" casing at 4,000' as cement locked up inside casing. Plugged back to 2,826' and re-drilled lateral with modified permit and cemented above per above.

Plug Class A - 460 sacks, 17.5 ppg, .0944 yield and 434.2 ft³ with TOC at 2,800' with 1,200' cement plug

Kick off depth (ft) 7,596'(GL)

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 24"- No centralizers, 13 3/8" & 9 5/8"- one bow spring centralizer on every other joint, 5 1/2" - one semi rigid centralizer on every joint from TD of well to end of curve. Then every other joint to KOP. Every third joint from KOP to 2,000'; there will be no centralizers from 2,000' to surface

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS Stages and perforations

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS NA

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED NA

API 47- 091 - 01367 Farm name Renee Johnson Well number Johnson TFP 40 201

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus Shale</u>	<u>7726 - 7882</u> TVD	<u>8510 - 25,408</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 11488 mcfpd Oil 0 bpd NGL 0 bpd Water 691 bpd
GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
Sand/Silt/Coal	0	4831	0	4958	Sandstone, Siltstone, Coal, Shale
Elk Siltstone	4831	4851	4958	4981	Siltstone
Sand/Silt/Shale	4851	7413	4981	7859	Sandstone, Siltstone, Shale
Burket	7413	7435	7859	7890	Shale
Tully	7435	7485	7890	7962	Limestone
Mahantango	7485	7653	7962	8265	Shale
Marcellus	7653	7710	8265	8445	Shale
Lower Marcellus	7710	-	8445	25,494	Shale

Please insert additional pages as applicable.

Drilling Contractor Patterson
Address 10713 West Sam Houston Parkway N., Suite 800 City Houston State TX Zip 77064

Logging Company NA
Address _____ City _____ State _____ Zip _____

Cementing Company Halliburton
Address 4999 E Pointe Dr City Zanesville State OH Zip 43701

Stimulating Company Stingray - Mammoth Energy Services INC
Address 14201 Caliber Drive Suite 300 City Oklahoma City State OK Zip 73134

Please insert additional pages as applicable.

Completed by Arsenal Resources Telephone 724-940-1100
Signature [Signature] Title Director of Geology & Dev Planning Date 7/27/2023

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

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WV 35 FORM COMPLETIONS INFORMATION

Well Header

Well Name Johnson TFP 40 201	API/UWI 4709101367	Lease	Pad Name Johnson TFP40	Operator Arsenal Resources	Well Type Development	Well Subtype Multi
Orig KB Elev (ft) 1,364.79	Water Depth (ft)	Well License Date 3/19/2019	Spud Date 9/13/2022	Rig Release Date 1/16/2023		
County Taylor	District Flemington	Division Development	Division Code			
Lat/Long Datum NAD 83	Latitude (°) 39° 12' 33.311" N	Longitude (°) 80° 9' 16.16" W	UTM Easting (m)	UTM Northing (m)		

Jobs

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 1/19/2023	End Date
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Perforations

Date	Top (ftKB)	Btm (ftKB)	Entered Shot Total	Zone
4/22/2023	8,510.0	8,672.0	40	
4/21/2023	8,710.0	8,872.0	40	
4/21/2023	8,910.0	9,072.0	40	
4/21/2023	9,110.0	9,272.0	40	
4/21/2023	9,310.0	9,472.0	40	
4/20/2023	9,510.0	9,672.0	40	
4/20/2023	9,710.0	9,866.0	40	
4/20/2023	9,910.0	10,072.0	40	
4/19/2023	10,110.0	10,272.0	40	
4/19/2023	10,310.0	10,472.0	40	
4/19/2023	10,512.0	10,672.0	40	
4/19/2023	10,710.0	10,874.0	40	
4/18/2023	10,910.0	11,072.0	40	
4/18/2023	11,110.0	11,272.0	40	
4/18/2023	11,310.0	11,472.0	40	
4/18/2023	11,510.0	11,672.0	40	
4/18/2023	11,710.0	11,872.0	40	
4/18/2023	11,910.0	12,074.0	40	
4/17/2023	12,110.0	12,272.0	40	
4/17/2023	12,310.0	12,472.0	40	
4/17/2023	12,510.0	12,672.0	40	
4/17/2023	12,710.0	12,872.0	40	
4/17/2023	12,910.0	13,072.0	40	
4/16/2023	13,110.0	13,272.0	40	
4/16/2023	13,310.0	13,472.0	40	
4/16/2023	13,510.0	13,672.0	40	
4/16/2023	13,710.0	13,870.0	40	
4/15/2023	13,910.0	14,072.0	40	
4/15/2023	14,110.0	14,272.0	40	
4/15/2023	14,310.0	14,466.0	40	
4/15/2023	14,510.0	14,670.0	40	
4/15/2023	14,710.0	14,868.0	40	
4/14/2023	14,910.0	15,072.0	40	
4/14/2023	15,110.0	15,272.0	40	
4/14/2023	15,310.0	15,472.0	40	
4/14/2023	15,510.0	15,672.0	40	
4/13/2023	15,710.0	15,872.0	40	
4/13/2023	15,910.0	16,072.0	40	

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WR 35 FORM COMPLETIONS INFORMATION

Perforations

Date	Top (ftKB)	Btm (ftKB)	Entered Shot Total	Zone
4/11/2023	17,510.0	17,672.0	40	
4/11/2023	17,712.0	17,872.0	40	
4/11/2023	17,910.0	18,072.0	40	
4/11/2023	18,110.0	18,272.0	40	
4/11/2023	18,310.0	18,472.0	40	
4/10/2023	18,511.0	18,672.0	40	
4/10/2023	18,710.0	18,872.0	40	
4/10/2023	18,910.0	19,072.0	40	
4/10/2023	19,110.0	19,272.0	40	
4/9/2023	19,310.0	19,472.0	40	
4/9/2023	19,510.0	19,672.0	40	
4/9/2023	19,710.0	19,872.0	40	
4/9/2023	19,910.0	20,072.0	40	
4/8/2023	20,110.0	20,272.0	40	
4/8/2023	20,310.0	20,472.0	40	
4/8/2023	20,510.0	20,672.0	40	
4/8/2023	20,710.0	20,872.0	40	
4/8/2023	20,910.0	21,072.0	40	
4/7/2023	21,110.0	21,272.0	40	
4/7/2023	21,310.0	21,472.0	40	
4/7/2023	21,510.0	21,672.0	40	
4/7/2023	21,710.0	21,872.0	40	
4/6/2023	21,910.0	22,072.0	40	
4/6/2023	22,110.0	22,272.0	40	
4/6/2023	22,310.0	22,472.0	40	
4/6/2023	22,512.0	22,672.0	40	
4/5/2023	22,710.0	22,872.0	40	
4/5/2023	22,910.0	23,072.0	40	
4/5/2023	23,110.0	23,272.0	40	
4/5/2023	23,310.0	23,472.0	40	
4/4/2023	23,510.0	23,672.0	40	
4/4/2023	23,710.0	23,872.0	40	
4/4/2023	23,910.0	24,072.0	40	
4/3/2023	24,110.0	24,272.0	40	
4/3/2023	24,310.0	24,472.0	40	
4/3/2023	24,510.0	24,672.0	40	
4/2/2023	24,710.0	24,872.0	40	
4/2/2023	24,910.0	25,072.0	40	
4/1/2023	25,110.0	25,272.0	40	
1/27/2023	25,310.0	25,408.0	30	

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Stimulations Summary

Start Date 4/1/2023	R Treat Avg (bbl/min)	P Treat Avg (psi)	Proppant Total (lb) 42,275,550.0	Volume Clean Total (bbl) 786,162.00	Frac Gradient Average (psi/ft) 1.10
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Stimulation Intervals

Interval Number	Start Date	Slurry Rate Avg (bbl/min)	P Treat Avg (psi)	P Breakdown (psi)	ISIP (psi)	Proppant Total OR (lb)	Vol Clean Total (bbl)
1	4/1/2023	80.8	10,551.0	10,451.0	5,310.0		7,496.00
2	4/2/2023	84	9,616.0	6,976.0	4,890.0		9,910.00
3	4/2/2023	85.2	9,445.0	6,813.0	5,009.0		9,882.00
4	4/2/2023	85.6	9,317.0	7,703.0	5,384.0		9,459.00



WYR 35 FORM COMPLETIONS INFORMATION

Stimulation Intervals

Interval Number	Start Date	Slurry Rate Avg (bbl/min)	P Treat Avg (psi)	P Breakdown (psi)	ISIP (psi)	Proppant Total OR (lb)	Vol Clean Total (bbl)
10	4/5/2023	84.5	9,458.0	7,769.0	5,460.0		9,436.00
11	4/5/2023	86.7	9,723.0	7,688.0	5,650.0		9,491.00
12	4/5/2023	83.2	9,892.0	7,184.0	5,850.0		9,493.00
13	4/5/2023	85.6	9,565.0	6,295.0	5,462.0		9,545.00
14	4/5/2023	84.9	9,349.0	7,624.0	6,005.0		9,433.00
15	4/6/2023	83.1	9,676.0	7,565.0	5,810.0		9,361.00
16	4/6/2023	84.4	10,004.0	7,774.0	5,810.0		9,350.00
17	4/6/2023	83.2	9,814.0	7,169.0	5,913.0		9,346.00
18	4/6/2023	82.5	9,253.0	5,956.0	6,343.0		9,758.00
19	4/7/2023	84.9	9,863.0	6,236.0	5,550.0		9,359.00
20	4/7/2023	85.7	9,755.0	7,416.0	5,610.0		9,279.00
21	4/7/2023	85.2	9,624.0	7,244.0	5,894.0		9,256.00
22	4/7/2023	84.8	9,640.0	7,365.0	6,137.0		9,339.00
23	4/8/2023	80.2	9,282.0	7,412.0	5,310.0		9,324.00
24	4/8/2023	85.2	9,630.0	5,828.0	5,310.0		9,354.00
25	4/8/2023	83.9	9,465.0	5,647.0	5,490.0		9,250.00
26	4/8/2023	86.5	9,846.0	7,256.0	5,671.0		9,333.00
27	4/9/2023	84.8	9,783.0	7,573.0	5,636.0		9,455.00
28	4/9/2023	86.6	9,595.0	8,143.0	5,410.0		9,271.00
29	4/9/2023	84.7	9,480.0	7,296.0	5,450.0		9,227.00
30	4/9/2023	83.5	9,478.0	7,359.0	5,810.0		9,355.00
31	4/10/2023	83.9	9,739.0	7,603.0	5,650.0		9,285.00
32	4/10/2023	85.4	9,845.0	7,772.0	5,410.0		9,210.00
33	4/10/2023	84.9	9,577.0	7,564.0	5,250.0		9,274.00
34	4/10/2023	84.3	9,562.0	7,386.0	5,999.0		9,233.00
35	4/10/2023	83.7	9,546.0	7,783.0	5,943.0		9,267.00
36	4/11/2023	83.7	9,276.0	7,292.0	5,596.0		9,254.00
37	4/11/2023	86.1	9,276.0	6,759.0	5,120.0		9,169.00
38	4/11/2023	85.9	9,481.0	6,829.0	5,320.0		9,183.00
39	4/11/2023	82.9	9,140.0	7,229.0	5,541.0		9,248.00
40	4/12/2023	85.5	9,049.0	7,194.0	5,740.0		9,320.00
41	4/12/2023	84.2	9,151.0	7,582.0	5,781.0		9,227.00
42	4/12/2023	84.3	9,042.0	6,281.0	5,024.0		9,183.00
43	4/12/2023	83.5	8,901.0	6,507.0	6,040.0		9,393.00
44	4/12/2023	85.1	9,059.0	7,507.0	5,723.0		9,331.00
45	4/13/2023	84.2	8,884.0	7,302.0	5,408.0		9,315.00
46	4/13/2023	88.3	9,126.0	7,157.0	5,212.0		9,168.00
47	4/13/2023	87.2	8,788.0	7,092.0	5,713.0		9,185.00
48	4/13/2023	88.3	8,466.0	6,090.0	6,326.0		9,445.00
49	4/13/2023	86.4	8,625.0	7,088.0	5,569.0		9,207.00
50	4/14/2023	88.5	8,523.0	6,258.0	5,009.0		9,477.00
51	4/14/2023	87.4	8,745.0	6,865.0	4,983.0		9,181.00
52	4/14/2023	86.3	8,719.0	7,014.0	6,747.0		9,217.00
53	4/15/2023	87.5	8,934.0	6,824.0	5,305.0		9,233.00
54	4/15/2023	88.6	8,538.0	6,900.0	4,816.0		9,487.00
55	4/15/2023	84.9	8,498.0	6,805.0	5,390.0		9,148.00
56	4/15/2023	87.2	9,051.0	7,877.0	6,519.0		9,154.00
57	4/15/2023	86.7	8,874.0	8,362.0	5,862.0		9,188.00
58	4/16/2023	83.1	8,674.0	8,254.0	5,973.0		9,158.00
59	4/16/2023	87.6	8,551.0	7,528.0	5,925.0		9,093.00
60	4/16/2023	87.5	8,316.0	7,028.0	4,771.0		9,126.00
61	4/16/2023	88.9	8,561.0	7,334.0	6,539.0		9,159.00
62	4/16/2023	87.8	8,540.0	7,011.0	5,689.0		9,163.00
63	4/17/2023	85.8	8,402.0	6,783.0	6,530.0		9,170.00

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WR 35 FORM COMPLETIONS INFORMATION

Stimulation Intervals

Interval Number	Start Date	Slurry Rate Avg (bbl/min)	P Treat Avg (psi)	P Breakdown (psi)	ISIP (psi)	Proppant Total OR (lb)	Vol Clean Total (bbl)
65	4/17/2023	88.6	8,271.0	7,067.0	4,728.0		9,112.00
66	4/17/2023	87.9	8,233.0	6,320.0	6,021.0		9,093.00
67	4/17/2023	86.4	8,441.0	7,623.0	5,562.0		9,158.00
68	4/18/2023	84.8	8,235.0	7,361.0	5,757.0		9,190.00
69	4/18/2023	88.4	8,215.0	7,531.0	4,819.0		9,101.00
70	4/18/2023	87.9	8,235.0	6,578.0	5,591.0		9,032.00
71	4/18/2023	88.6	8,062.0	6,754.0	5,591.0		9,051.00
72	4/18/2023	87.7	8,461.0	7,755.0	5,530.0		9,126.00
73	4/18/2023	86.3	7,789.0	7,408.0	6,528.0		9,156.00
74	4/19/2023	88.7	7,553.0	6,541.0	4,862.0		9,087.00
75	4/19/2023	88.1	7,615.0	6,418.0	5,263.0		9,082.00
76	4/19/2023	86.8	7,628.0	7,333.0	5,890.0		9,066.00
77	4/20/2023	88.2	7,644.0	7,476.0	5,108.0		9,077.00
78	4/20/2023	86	7,561.0	6,491.0	5,103.0		9,036.00
79	4/20/2023	86.9	7,441.0	7,016.0	6,114.0		9,091.00
80	4/20/2023	87.7	7,468.0	6,709.0	5,310.0		9,208.00
81	4/21/2023	84.6	7,752.0	7,154.0	4,875.0		8,967.00
82	4/21/2023	85.7	8,145.0	7,177.0	4,235.0		8,994.00
83	4/21/2023	85.6	7,589.0	7,041.0	4,780.0		9,019.00
84	4/21/2023	84.4	7,219.0	6,415.0	4,890.0		9,059.00
85	4/22/2023	83.1	7,048.0	7,376.0	4,912.0		8,907.00

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**State of West Virginia
Department of Environmental Protection
Office of Oil and Gas**

Well Operator's Report of
Initial Gas-Oil Ratio

Well Operator <u>Arsenal Resources LLC</u>	Designated Agent <u>Eric Morris</u>
Address <u>6031 Wallace Road Ext. Suite 101</u>	Address <u>633 West Main Street</u>
<u>Wexford, PA 15090</u>	<u>Bridgeport WV 26330</u>

Geological Target Formation: Marcellus Depth 7653 feet
Perforation Interval 8510- 25408 feet

Guidelines for testing:

1. A minimum of gas vented or flared.
2. A 24 hour pre-flow into pipelines or tanks.
3. Uniform producing rate during the 24 hour test per test period.
4. Measurement standards as for Form WR-39, "Report of Annual Production" (see 35CSR4-15)
5. Separate Form WR-36 for each producing formation in a multiple completion.

TEST DATA

Start of Test Date 7/4/23	Time 6:00 AM	End of Test Date 7/5/23	Time 6:00 AM	Duration of Test 24 Hrs
Tubing Pressure NA	Casing Pressure 2292	Separator Pressure 300	Separator Temperature 75	
Oil Production During Test BBLs	Gas Production During Test MCF	Water Production During Test BBLs -Salinity		
Oil Gravity API	Producing Method (flowing, pumping, gas lift etc.) Flowing			

GAS PRODUCTION

Measurement Method Flange Tap <input checked="" type="checkbox"/> Pipe Tap <input type="checkbox"/> L-10 <input type="checkbox"/>		Positive Choke <input type="checkbox"/>
		Positive flow prover <input checked="" type="checkbox"/>
Orifice diameter	Pipe Diameter (inside)	Nominal Choke Size inches 36/64"
Differential Pressure range	Max. Static pressure range	Prover and Orifice diameter - inches 4.062" run with 2.75" orifice
Differential 202" H2O	Static 300 PSI	
Gas Gravity (Air = 1.0) Measured	Flowing Temperature 75	Gas Temperature 115
Estimated		
24 Hour Coefficient	24 Hour coefficient pressure PSIA	

TEST RESULTS

Daily Oil 0	Daily Water 691 BBLs	Daily Gas 11488 MCF	Gas-Oil Ratio NA
-----------------------	--------------------------------	-------------------------------	----------------------------

Arsenal Resources LLC

BY [Signature] Well Operator

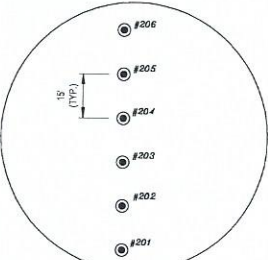
ITS: Director of Geology & Dev Planning

RECEIVED
Office of Oil and Gas
AUG 04 2023
WV Department of
Environmental Protection

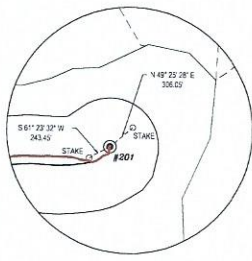
SURFACE HOLE SURVEYED 39° 17' 30" (NAD27)
 BOTTOM HOLE SURVEYED 39° 15' 00" (NAD27)

8,896' AD 822'
 8,552'

Latitude: (NAD27)



REFERENCES TO PROPOSED HORIZONTAL WELL SURFACE LOCATIONS NTS



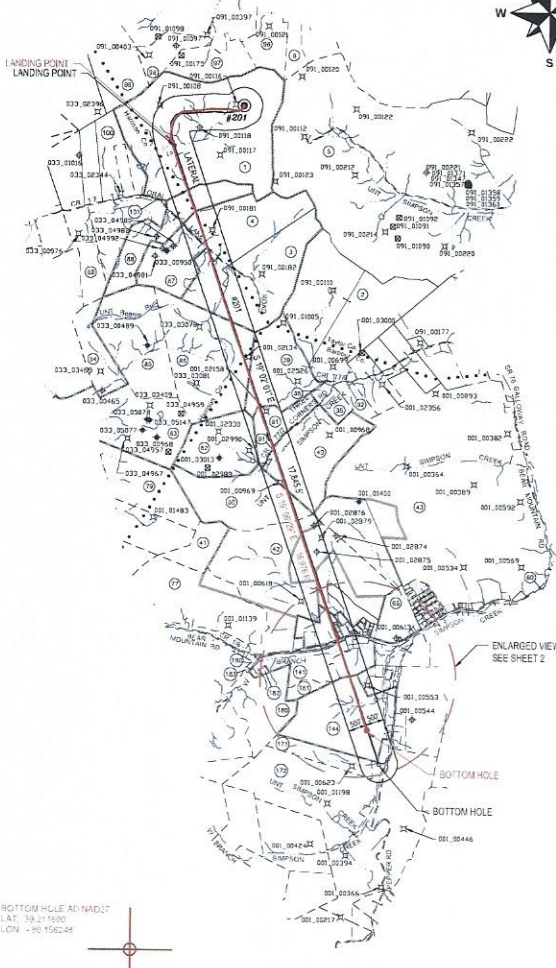
REFERENCES TIES (NTS)

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- STREAM
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- SUFFER
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- EXISTING WELL HEAD (Plugged)
- EXISTING WELL HEAD (Abandoned)
- EXISTING WELL HEAD (Never Drilled)
- EXISTING WELL HEAD (Future Drill)
- LANDING POINT/BOTTOM HOLE
- SURFACE OWNER



[NAD83-WVN] US SURVEY FT.	
TOP HOLE	N) 276971.693 E) 1779051.687
LANDING POINT	N) 275842.930 E) 1777052.42
BOTTOM HOLE	N) 258974.110 E) 1782954.120
[NAD83-LAT/LONG] DECIMAL	
TOP HOLE	N) 39.258499 E) -80.169059
LANDING POINT	N) 39.255364 E) -80.175801
BOTTOM HOLE	N) 39.211694 E) -80.154815
[UTM, NAD83] METER	
TOP HOLE	N) 4345792.135 E) 571690.56
LANDING POINT	N) 4345438.229 E) 571112.107
BOTTOM HOLE	N) 4340228.624 E) 572970.639

Longitude: (NAD27)

RECEIVED
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 AUG 04 2023
 WV Department of Environmental Protection

FILE#: 22078-001
 SHEET#: 1 of 3
 SCALE: 1" = 4000'
 TICK SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: WV-RTN CORS STATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *Jason H. Littler* 3/14/23
 P.S. #2139 Jason H. Littler P.S.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WWDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: MARCH 14, 2023
 OPERATOR'S WELL #: JOHNSON TFP-40 # 201
 API WELL #: 47 091 1367
 STATE COUNTY PERMIT

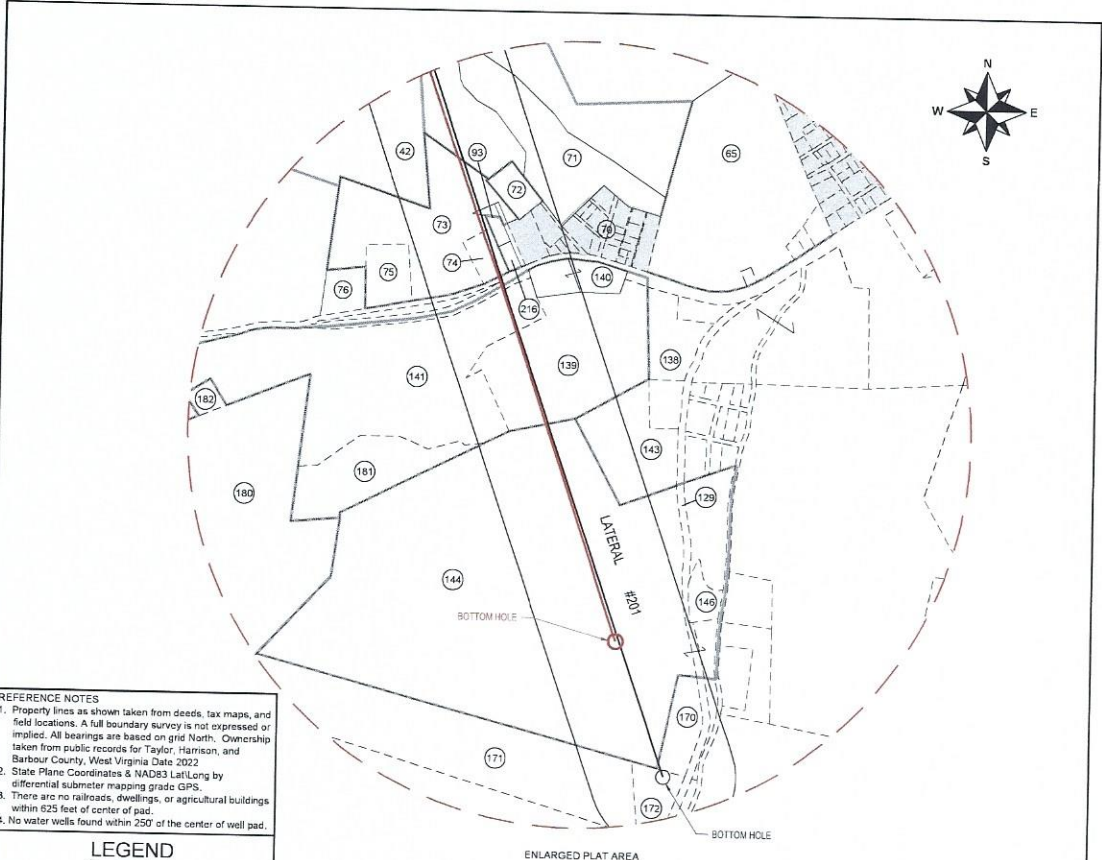
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 Gas Liquid Injection Storage Shallow
 WATERSHED: SIMPSON CREEK
 COUNTY / DISTRICT: TAYLOR CO. FLEMINGTON DISTRICT
 SURFACE OWNER: RENEE JOHNSON
 OIL & GAS ROYALTY OWNER: SEE WW-6A1

ELEVATION: 1,332.5
 QUADRANGLE: ROSEMONT, WV
 ACREAGE: 284 ±
 ACREAGE: 284 ±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE SPECIFY:

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 7,882' TMD: 25,494'
 WELL OPERATOR: ARSENAL RESOURCES DESIGNATED AGENT: NATHAN SKEEN
 ADDRESS: 6031 WALLACE ROAD EXTENSION # 300 ADDRESS: 633 MAIN STREET
 CITY: WEXFORD STATE: PA ZIP: 15090 CITY: BRIDGEPORT STATE: WV ZIP: 26330

BOTTOM HOLE SURVEYED 80° 07' 30" (NAD27)
 SURFACE HOLE SURVEYED 80° 10' 00" (NAD27)



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	STREAM
	EXISTING ROAD
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	SURFACE OWNER

AS-DRILLED PLAT

RECEIVED
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AUG 04 2023
WV Department of
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FILE#: 22078-001
SHEET#: 2 of 3
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TICK SCALE: 1" = 2000'
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OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: MARCH 14, 2023
OPERATOR'S WELL #: JOHNSON TFP-40 # 201
API WELL #: 47 091 1367
STATE COUNTY PERMIT

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 Gas Liquid Injection Storage Shallow
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COUNTY / DISTRICT: TAYLOR CO. FLEMINGTON DISTRICT
SURFACE OWNER: RENEE JOHNSON
OIL & GAS ROYALTY OWNER: SEE WV-6A1

ELEVATION: 1,332.5
QUADRANGLE: ROSEMONT, WV
ACREAGE: 284 ±
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WELL OPERATOR: ARSENAL RESOURCES DESIGNATED AGENT: NATHAN SKEEN
ADDRESS: 6031 WALLACE ROAD EXTENSION # 300 ADDRESS: 633 MAIN STREET
CITY: WEXFORD STATE: PA ZIP: 15090 CITY: BRIDGEPORT STATE: WV ZIP: 26330

SURFACE PARCEL OWNER INFORMATION			ADJOINER PARCEL OWNER INFORMATION				
ID#	DEP#	PARCEL NUMBER	OWNER NAME	ID#	DEP#	PARCEL NUMBER	OWNER NAME
1	033	17-15-031-0027-0000	JOHNSON RENEE	2	001	01-09-0009-0002-0000	STEWART FARM LLC
38	033	17-15-035-1-0010-0000	JOHNSON RENEE	5	091	46-04-0011-0001-0000	CFS FARMS LIMITED LIABILITY CO
4	033	17-15-035-1-0012-0000	GCSTREAM LLC	6	091	46-04-0008-0022-0000	GRIPPIN JAMES S & ELAINE M & SURV
3	033	17-15-035-1-0013-0000	GCSTREAM LLC	92			RIGHT-OF-WAY
86	033	17-15-035-1-0023-0000	GCSTREAM LLC	35	001	01-09-0009-0020-0000	COUNTY ROUTE 778 BARBOUR CORNER
39	001	01-09-0009-0019-0000	STEWART FARM LLC	38	001	01-09-0009-0003-0000	STEWART FARM LLC
81	001	01-09-0009-0001-0000	STEWART FARM LLC	41	001	01-09-0009-0012-0001	POLINO ENTERPRISES INC
40	001	01-09-0009-0020-0000	SEESE ROBERT & BRENDA HWS	43	001	01-09-0009-0022-0000	WOLFE LARRY, ROBERT WOLFE & STANLEY WOLFE ET UXES, HWS
80	001	01-09-0010-0002-0000	SMITH JO ANN V & GARY M BROWN JR (WS)	60			RIGHT-OF-WAY
42	001	01-09-0011-0001-0000	POLINO ENTERPRISES INC	60	001	01-09-0012-0027-0000	WOLFE LARRY MICHAEL
73	001	01-09-0012-0042-0000	FOSTER ERIC M & TRACI D WS	70	001	PLAN OF LOTS	BROWNTON PLAN OF LOTS
93	001	01-09-012C-0003-0000	ARBAUGH RITA	71	001	01-09-0012-0051-0000	CHARLTON-FRYER AMANDA S & TIMOTHY R CHARLTON L/E
74	001	01-09-012C-0002-0000	FOSTER ERIC M & TRACI D WS	72	001	01-09-0012-0080-0000	SCHIMANSKY STEVEN & DEBRA HWS
141	001	01-09-0012-0040-0000	ZBOSNIK DENNIS ALBIN	75	001	01-09-0012-0043-0000	TRADER PAULL
139	001	01-09-0012-0039-0000	ZBOSNIK DENNIS ALBIN	76	001	01-09-0012-0041-0000	TRADER PAUL & LORETTA WRS
144	001	01-09-0012-0048-0001	MCCORD LLOYD JR & SANDRA	77	001	01-09-0011-0001-0002	BECKWITH LUMBER CO INC
				79	033	17-15-035-1-0031-0000	GCSTREAM LLC
				82	001	01-09-0019-0001-0000	SMITH JO ANN V & GARY M BROWN JR (WS)
				83	033	17-15-035-1-0021-0000	GCSTREAM LLC
				84	033	17-15-035-1-0022-0000	GCSTREAM LLC
				85	033	17-15-035-1-0024-0000	GCSTREAM LLC
				87	033	17-15-035-1-0011-0000	GCSTREAM LLC
				89	033	17-15-035-1-0007-0000	WARDER ORAN LEE & JANICE L
				96	091	46-04-0008-0021-0000	MILLARD CARLYLE G
				97	091	46-04-0007-0027-0000	CEQUEL III COMMUNICATIONS
				98	091	46-04-0007-0009-0000	CEQUEL III COMMUNICATIONS
				99	091	46-04-0007-0008-0000	FRUM CLINTON A (HEIRS)
				100	033	17-15-035-1-0009-0000	JOHNSON RENEE
				129	001	01-09-0022-0004-0000	MARPLE JAMES D & GENA F DOWELL WS
				138	001	01-09-0012-0035-0000	TR PENTECOSTAL CHURCH OF GOD C/O EDWARD L BARKLEY SR
				140	001	01-09-0012-0040-0001	ZBOSNIK DENNIS KEITH
				143	001	01-09-0012-0037-0000	LIPSCOMB ANNA G MCCORD
				170	001	01-09-0012-0048-0000	HURST DELORES
				171	001	01-09-0012-0049-0000	SHAHAN OKEY C
				172	001	01-09-0012-0049-0000	MARPLE JAMES D & GENA F DOWELL WS
				180	001	01-09-0011-0006-0000	BEAR MOUNTAIN COAL CO KEYBANK N.A.-TRUST REAL ESTATE
				181	001	01-09-0012-0045-0000	LYONS MORGAN HILDA S REV DECLARATION TRST 6-30-98 ET AL
				182	001	01-09-0012-0044-0000	ZBOSNIK DENNIS ALBIN
				183	001	01-09-012D-0003-0000	KENNEDY DEBBIE J
				216	001	01-09-012C-0001-0000	LEHMAN DIANA LYNN

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	EXISTING WELL HEAD (Future Drill)
	LANDING POINT/BOTTOM HOLE
	SURFACE OWNER

RECEIVED
Office of Oil and Gas
AUG 04 2023
WV Department of
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AS-DRILLED PLAT

FILE#: 22078-001
SHEET#: 3 of 3
SCALE: 1" = 4000'
TICK SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: WV-RTN CORS STATION

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Signed: Jason H. Littler 3/14/23
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WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: MARCH 14, 2023
JOHNSON TFP-40
OPERATOR'S WELL #: # 201
API WELL #: 47 091 1367
STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: SIMPSON CREEK
COUNTY / DISTRICT: TAYLOR CO. FLEMINGTON DISTRICT
SURFACE OWNER: RENEE JOHNSON
OIL & GAS ROYALTY OWNER: SEE WV-6A1

ELEVATION: 1,332.5
QUADRANGLE: ROSEMONT, WV
ACREAGE: 284 ±
ACREAGE: 284 ±

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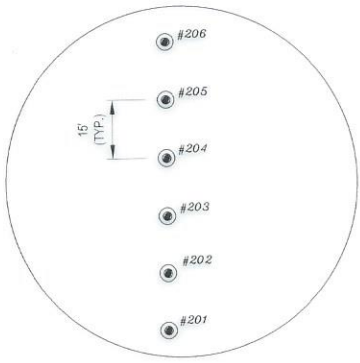
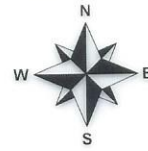
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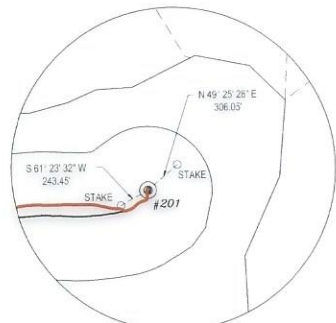
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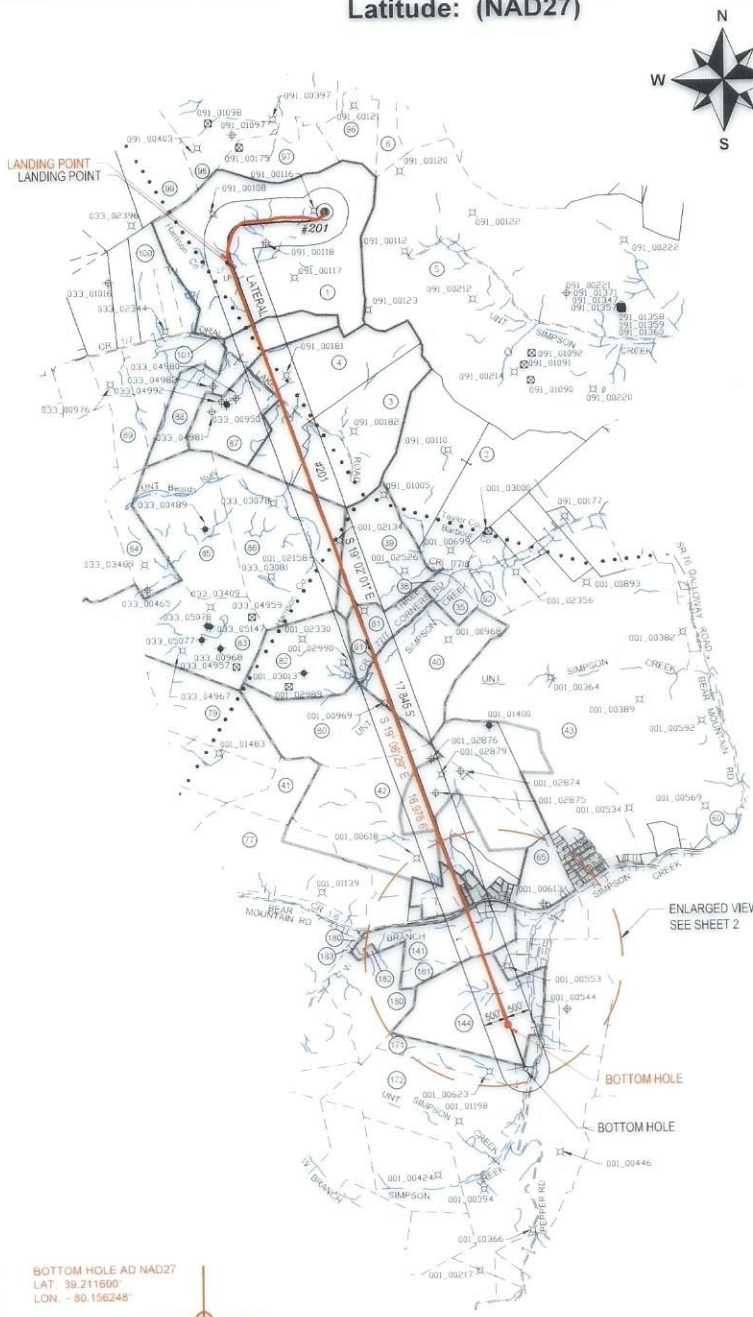
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- LANDING POINT/BOTTOM HOLE
- SURFACE OWNER



BOTTOM HOLE AD NAD27
 LAT. 39.211600°
 LON. -80.156248°

BOTTOM HOLE NAD27
 LAT. 39.209072°
 LON. -80.155009°

AS-DRILLED PLAT

SURFACE HOLE NAD27
 LAT. 39.258407°
 LON. -80.169253°

SURFACE HOLE NAD27
 LAT. 39.258407°
 LON. -80.169253°

Longitude: (NAD27)

14.812' 13.868' AD 12.108'

BOTTOM HOLE SURVEYED 80° 07' 30" (NAD27)
 SURFACE HOLE SURVEYED 80° 10' 00" (NAD27)

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 SHEET#: 1 of 3
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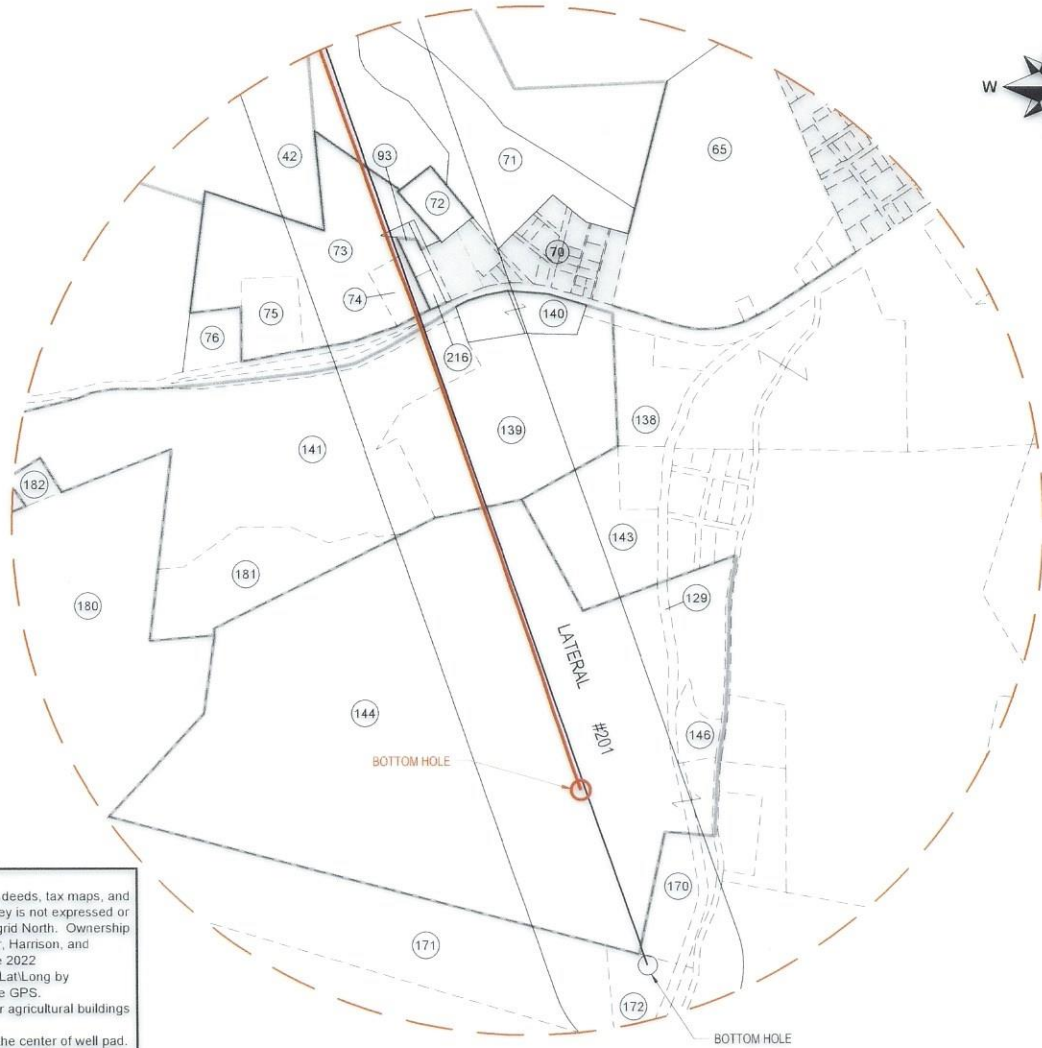
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 ADDRESS: 6031 WALLACE ROAD EXTENSION # 300
 CITY: WEXFORD STATE: PA ZIP: 15090
 DESIGNATED AGENT: NATHAN SKEEN
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ENLARGED PLAT AREA

AS-DRILLED PLAT

FILE#: 22078-001
 SHEET#: 2 of 3
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39	001	01-09-0009-0001-0000	STEWART FARM LLC
81	001	01-09-0009-0019-0000	STEWART FARM LLC
40	001	01-09-0009-0020-0000	SEESE ROBERT & BRENDA HWS
80	001	01-09-0010-0002-0000	SMITH JO ANN V & GARY M BROWN JR (WS)
42	001	01-09-0011-0001-0000	POLINO ENTERPRISES INC
73	001	01-09-0012-0042-0000	FOSTER ERIC M & TRACI D WS
93	001	01-09-012C-0003-0000	ARBAUGH RITA
74	001	01-09-012C-0002-0000	FOSTER ERIC M & TRACI D WS
141	001	01-09-0012-0040-0000	ZBOSNIK DENNIS ALBIN
139	001	01-09-0012-0039-0000	ZBOSNIK DENNIS ALBIN
144	001	01-09-0012-0045-0001	MCCORD LLOYD JR & SANDRA

ID#	DEP#	PARCEL NUMBER	OWNER NAME
2	001	01-09-0009-0002-0000	STEWART FARM LLC
5	091	46-04-0011-0001-0000	CFS FARMS LIMITED LIABILITY CO
6	091	46-04-0008-0022-0000	GRIPPIN JAMES S & ELAINE M & SURV
92		RIGHT-OF-WAY	COUNTY ROUTE 77/8 BARBOUR CORNER
35	001	01-09-0009-0020-0001	SMALLWOOD RUSSELL & ANGELA WRS
38	001	01-09-0009-0003-0000	STEWART FARM LLC
41	001	01-09-0009-0012-0001	POLINO ENTERPRISES INC
43	001	01-09-0009-0023-0000	WOLFE LARRY, ROBERT WOLFE & STANLEY WOLFE ET UXES, HWS
60		RIGHT-OF-WAY	COUNTY ROUTE 1/6 BEAR MOUNTAIN ROAD
65	001	01-09-0012-0027-0000	WOLFE LARRY MICHAEL
70	001	PLAN OF LOTS	BROWNTON PLAN OF LOTS
71	001	01-09-0012-0061-0000	CHARLTON-FRYER AMANDA S & TIMOTHY R CHARLTON L/E
72	001	01-09-0012-0060-0000	SCHIMANSKY STEVEN & DEBRA HWS
75	001	01-09-0012-0043-0000	TRADER PAUL L
76	001	01-09-0012-0041-0000	TRADER PAUL & LORETTA WRS
77	001	01-09-0011-0001-0002	BECKWITH LUMBER CO INC
79	033	17-15-0351-0031-0000	GCSTREAM LLC
82	001	01-09-0010-0001-0000	SMITH JO ANN V & GARY M BROWN JR (WS)
83	033	17-15-0351-0021-0000	GCSTREAM LLC
84	033	17-15-0351-0022-0000	GCSTREAM LLC
85	033	17-15-0351-0024-0000	GCSTREAM LLC
87	033	17-15-0351-0011-0000	GCSTREAM LLC
89	033	17-15-0351-0007-0000	WARDER ORAN LEE & JANICE L
96	091	46-04-0008-0021-0000	MILLARD CARLYLE G
97	091	46-04-0007-0027-0000	CEQUEL III COMMUNICATIONS
98	091	46-04-0007-0009-0000	CEQUEL III COMMUNICATIONS
99	091	46-04-0007-0008-0000	FRUM CLINTON A (HEIRS)
100	033	17-15-0351-0009-0000	JOHNSON RENEE
129	001	01-09-0022-0004-0000	MARPLE JAMES D & GENA F DOWELL WS
138	001	01-09-0012-0035-0000	TR PENTECOSTAL CHURCH OF GOD C/O EDWARD L BARKLEY SR
140	001	01-09-0012-0040-0001	ZBOSNIK DENNIS KEITH
143	001	01-09-0012-0037-0000	LIPSCOMB ANNA G MCCORD
170	001	01-09-0012-0048-0000	HURST DELORES
171	001	01-09-0012-0046-0000	SHAHAN OKEY C
172	001	01-09-0022-0001-0000	MARPLE JAMES D & GENA F DOWELL WS
180	001	01-09-0011-0006-0000	BEAR MOUNTAIN COAL CO KEYBANK N.A.-TRUST REAL ESTATE
181	001	01-09-0012-0045-0000	LYONS MORGAN H&HILDA S REV DECLARATION TRST 6-30-98 ET AL
182	001	01-09-0012-0044-0000	ZBOSNIK DENNIS ALBIN
183	001	01-09-012D-0031-0000	KENNEDY DEBBIE J
216	001	01-09-012C-0001-0000	LEHMAN DIANA LYNN

REFERENCE NOTES
 1. Property lines as shown taken from deeds, tax maps, and field locations. A full boundary survey is not expressed or implied. All bearings are based on grid North. Ownership taken from public records for Taylor, Harrison, and Barbour County, West Virginia Date 2022
 2. State Plane Coordinates & NAD83 Lat/Long by differential submeter mapping grade GPS.
 3. There are no railroads, dwellings, or agricultural buildings within 625 feet of center of pad.
 4. No water wells found within 250' of the center of well pad.

LEGEND

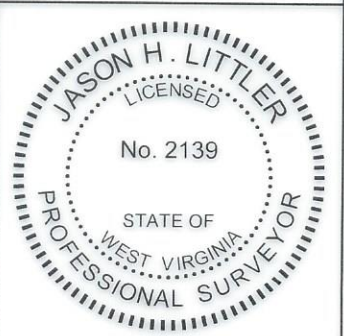
	AS-DRILLED WELL LATERAL
	PROPOSED WELL LATERAL
	PROPOSED WELL TIE LINE
	STREAM
	EXISTING ROAD
	BUFFER
	PROPERTY LINE
	MINERAL TRACT BOUNDARY
	COUNTY BOUNDARY LINE
	PROPOSED WELL HEAD
	EXISTING WELL HEAD (Active)
	EXISTING WELL HEAD (Plugged)
	EXISTING WELL HEAD (Abandoned)
	EXISTING WELL HEAD (Never Drilled)
	EXISTING WELL HEAD (Future Drill)
	LANDING POINT/BOTTOM HOLE
	SURFACE OWNER

AS-DRILLED PLAT

FILE#: 22078-001
 SHEET#: 3 of 3
 SCALE: 1" = 4000'
 TICK SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: WV-RTN CORS STATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed:
 P.S. #2139: Jason H. Littler P.S.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: SIMPSON CREEK
 COUNTY / DISTRICT: TAYLOR CO. FLEMINGTON DISTRICT
 SURFACE OWNER: RENEE JOHNSON
 OIL & GAS ROYALTY OWNER: SEE WW-6A1



DATE: MARCH 14, 2023
 JOHNSON TFP-40
 OPERATOR'S WELL #: # 201
 API WELL #: 47 091 1367
 STATE COUNTY PERMIT
 ELEVATION: 1,332.5
 QUADRANGLE: ROSEMONT, WV
 ACREAGE: 284 ±
 ACREAGE: 284 ±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE SPECIFY: _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 7,882' TMD: 25,494'

WELL OPERATOR: ARSENALE RESOURCES DESIGNATED AGENT: NATHAN SKEEN
 ADDRESS: 6031 WALLACE ROAD EXTENSION # 300 ADDRESS: 633 MAIN STREET
 CITY: WEXFORD STATE: PA ZIP: 15090 CITY: BRIDGEPORT STATE: WV ZIP: 26330