

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

API 47-091-01368 County Taylor District Flemington  
Quad Rosemont Pad Name Johnson TFP 40 Field/Pool Name \_\_\_\_\_  
Farm name Renee Johnson Well Number Johnson TFP 40 203  
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 4345801.28 Easting 571690.4  
Landing Point of Curve Northing 4345676.96 Easting 571702.96  
Bottom Hole Northing 4339670.5 Easting 573899.26

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 11/10/2022  
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  
10/15/2023

API 47-091 - 01368

Farm name Renee Johnson

Well number Johnson TFP 40 203

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"	726' 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"	29,059' 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 489'(GL)ft.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	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	715	15.60	1.19	850.9	Surface	8+
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	A	1088/4818	14.0/14.5	1.29/1.15	1,403.52/5540.7	489' (GL)	8+
Tubing	NA	NA	NA	NA	NA	NA	NA

Drillers TD (ft) 29,094'(GL)

Loggers TD (ft) NA

Deepest formation penetrated Marcellus

Plug back to (ft) NA

Plug back procedure NA

Kick off depth (ft) 6,967'(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

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WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS NA

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



API 47- 091 - 01368 Farm name Renee Johnson Well number Johnson TFP 40 203

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus Shale</u>	<u>7769 - 7854</u> TVD	<u>8088 - 15,050</u> MD
<u>Marcellus Shale</u>	<u>7698 - 7906</u>	<u>15,464 - 28,992</u>

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 12116 mcfpd Oil 0 bpd NGL 0 bpd Water 846 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 <sub>2</sub> S, ETC)
Sand/Silt/Coal	0	4858	0	4867	Sandstone, Siltstone, Coal, Shale
Elk Siltstone	4858	4878	4867	4888	Siltstone
Sand/Silt/Shale	4878	7460	4888	7498	Sandstone, Siltstone, Shale
Burket	7460	7486	7498	7531	Shale
Tully	7486	7536	7531	7602	Limestone
Mahantango	7536	7696	7602	7886	Shale
Marcellus	7696	7769	7886	8107	Shale
Lower Marcellus	7769	7863	8107	15070	Shale
Onondaga	7863	7865	15070	15445	Limestone
Lower Marcellus	7865	-	15445	29,094	Shale

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Environmental Protection

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



# WR 35 FORM COMPLETIONS INFORMATION

## Well Header

Well Name Johnson TFP 40 203	API/UWI 4709101368	Lease	Pad Name Johnson TFP 40	Operator Arsenal Resources	Well Type Development	Well Subtype
Orig KB Elev (ft) 1,359.00	Water Depth (ft)	Well License Date	Spud Date 10/13/2022	Rig Release Date 11/10/2022		
County TAYLOR	District	Division	Division Code			
Lat/Long Datum	Latitude (°) 39° 15' 30.892" N	Longitude (°) 80° 10' 8.616" 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
3/29/2023	8,088.0	8,244.0	40	
3/29/2023	8,288.0	8,448.0	40	
3/28/2023	8,488.0	8,644.0	40	
3/27/2023	8,688.0	8,850.0	40	
3/27/2023	8,888.0	9,050.0	40	
3/27/2023	9,088.0	9,250.0	40	
3/26/2023	9,288.0	9,448.0	40	
3/26/2023	9,488.0	9,650.0	40	
3/26/2023	9,688.0	9,847.0	40	
3/25/2023	9,888.0	10,050.0	40	
3/25/2023	10,088.0	10,250.0	40	
3/25/2023	10,288.0	10,450.0	40	
3/24/2023	10,492.0	10,650.0	40	
3/24/2023	10,688.0	10,850.0	40	
3/22/2023	10,888.0	11,050.0	40	
3/22/2023	11,088.0	11,250.0	40	
3/21/2023	11,288.0	11,452.0	40	
3/21/2023	11,492.0	11,650.0	40	
3/21/2023	11,688.0	11,852.0	40	
3/20/2023	11,885.0	12,050.0	40	
3/19/2023	12,088.0	12,250.0	40	
3/19/2023	12,292.0	12,450.0	40	
3/19/2023	12,488.0	12,652.0	40	
3/18/2023	12,686.0	12,850.0	40	
3/18/2023	12,888.0	13,052.0	40	
3/18/2023	13,086.0	13,250.0	40	
3/17/2023	13,288.0	13,448.0	40	
3/17/2023	13,488.0	13,650.0	40	
3/17/2023	13,688.0	13,850.0	40	
3/16/2023	13,888.0	14,050.0	40	
3/15/2023	14,088.0	14,250.0	40	
3/15/2023	14,288.0	14,450.0	40	
3/14/2023	14,488.0	14,650.0	40	
3/14/2023	14,688.0	14,850.0	40	
3/14/2023	14,888.0	15,050.0	40	
3/13/2023	15,464.0	15,630.0	40	
3/13/2023	15,669.0	15,835.0	40	
3/13/2023	15,874.0	16,036.0	40	



# WV 35 FORM COMPLETIONS INFORMATION

## Perforations

Date	Top (ftKB)	Btm (ftKB)	Entered Shot Total	Zone
3/10/2023	17,496.0	17,656.0	40	
3/9/2023	17,694.0	17,856.0	40	
3/9/2023	17,896.0	18,050.0	40	
3/9/2023	18,094.0	18,256.0	40	
3/8/2023	18,294.0	18,456.0	40	
3/8/2023	18,494.0	18,656.0	40	
3/8/2023	18,694.0	18,856.0	40	
3/7/2023	18,894.0	19,056.0	40	
3/7/2023	19,094.0	19,256.0	40	
3/6/2023	19,294.0	19,456.0	40	
3/6/2023	19,497.0	19,656.0	40	
3/6/2023	19,694.0	19,856.0	40	
3/4/2023	19,896.0	20,056.0	40	
3/3/2023	20,094.0	20,256.0	40	
3/3/2023	20,292.0	20,456.0	40	
3/3/2023	20,494.0	20,652.0	40	
3/2/2023	20,694.0	20,856.0	40	
3/2/2023	20,894.0	21,056.0	40	
3/1/2023	21,094.0	21,256.0	40	
3/1/2023	21,294.0	21,454.0	40	
2/28/2023	21,494.0	21,656.0	40	
2/28/2023	21,694.0	21,852.0	40	
2/27/2023	21,894.0	22,052.0	40	
2/27/2023	22,094.0	22,256.0	40	
2/27/2023	22,294.0	22,456.0	40	
2/26/2023	22,494.0	22,656.0	40	
2/26/2023	22,694.0	22,856.0	40	
2/25/2023	22,894.0	23,056.0	40	RECEIVED
2/25/2023	23,094.0	23,256.0	40	Office of Oil and Gas
2/24/2023	23,294.0	23,456.0	40	
2/23/2023	23,494.0	23,656.0	40	AUG 04 2023
2/23/2023	23,694.0	23,856.0	40	
2/23/2023	23,894.0	24,056.0	40	
2/22/2023	24,094.0	24,256.0	40	WV Department of
2/22/2023	24,292.0	24,456.0	40	Environmental Protection
2/22/2023	24,494.0	24,656.0	40	
2/22/2023	24,692.0	24,856.0	40	
2/21/2023	24,894.0	25,054.0	40	
2/21/2023	25,094.0	25,252.0	40	
2/20/2023	25,294.0	25,458.0	40	
2/20/2023	25,494.0	25,656.0	40	
2/20/2023	25,694.0	25,856.0	40	
2/20/2023	25,894.0	26,056.0	40	
2/20/2023	26,094.0	26,256.0	40	
2/19/2023	26,294.0	26,456.0	40	
2/19/2023	26,494.0	26,656.0	40	
2/19/2023	26,694.0	26,856.0	40	
2/18/2023	26,894.0	27,056.0	40	
2/18/2023	27,094.0	27,256.0	40	
2/18/2023	27,294.0	27,455.0	40	
2/17/2023	27,494.0	27,656.0	40	
2/17/2023	27,694.0	27,854.0	40	
2/17/2023	27,894.0	28,056.0	40	
2/16/2023	28,094.0	28,256.0	40	



# WR 35 FORM COMPLETIONS INFORMATION

## Perforations

Date	Top (ftKB)	Btm (ftKB)	Entered Shot Total	Zone
2/16/2023	28,494.0	28,656.0	40	
2/14/2023	28,694.0	28,856.0	40	
1/27/2023	28,894.0	28,992.0	30	

## Stimulations Summary

Start Date 2/14/2023	R Treat Avg (bbl/min)	P Treat Avg (psi)	Proppant Total (lb) 51,282,397.0	Volume Clean Total (bbl) 970,960.00	Frac Gradient Average (psi/ft) 1.09
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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	2/14/2023	87.7	10,321.0	11,268.0	4,810.0		7,435.00
2	2/15/2023	84.1	9,899.0	7,881.0	4,693.0		10,036.00
3	2/16/2023	85.3	9,921.0	6,502.0	5,250.0		10,007.00
4	2/16/2023	79.6	9,510.0	6,831.0	5,305.0		11,674.00
5	2/17/2023	83.9	9,670.0	6,340.0	5,585.0		9,919.00
6	2/17/2023	85.4	9,668.0	6,259.0	5,590.0		9,962.00
7	2/17/2023	82.8	9,479.0	6,413.0	5,639.0		10,001.00
8	2/18/2023	87.2	9,437.0	6,157.0	5,752.0		9,939.00
9	2/18/2023	86.1	9,261.0	6,147.0	5,670.0		9,992.00
10	2/18/2023	85.6	9,330.0	6,417.0	5,570.0		10,077.00
11	2/18/2023	83.2	9,034.0	5,680.0	5,558.0		10,016.00
12	2/19/2023	87.2	9,226.0	6,112.0	5,510.0		9,821.00
13	2/19/2023	84.9	9,072.0	5,787.0	5,250.0		9,982.00
14	2/19/2023	84.7	9,112.0	5,819.0	5,532.0		9,803.00
15	2/20/2023	81.5	9,188.0	6,394.0	4,620.0		9,815.00
16	2/20/2023	86.4	9,240.0	7,185.0	4,850.0		9,943.00
17	2/20/2023	86	9,271.0	6,968.0	4,984.0		9,688.00
18	2/20/2023	86.6	9,536.0	6,255.0	5,321.0		9,781.00
19	2/21/2023	86.5	10,039.0	7,687.0	5,415.0		9,653.00
20	2/21/2023	85.7	9,508.0	6,782.0	5,075.0		9,841.00
21	2/21/2023	84.8	9,213.0	6,141.0	5,772.0		9,760.00
22	2/21/2023	84.8	9,213.0	6,141.0	5,772.0		9,760.00
23	2/22/2023	85.1	9,236.0	6,531.0	5,310.0		10,068.00
24	2/22/2023	84.5	8,983.0	6,661.0	5,193.0		9,406.00
25	2/22/2023	88.4	9,263.0	6,083.0	5,307.0		9,827.00
26	2/23/2023	85.3	8,938.0	5,527.0	5,025.0		9,604.00
27	2/23/2023	85.5	9,252.0	6,323.0	5,010.0		9,475.00
28	2/23/2023	85.4	8,985.0	5,767.0	5,487.0		9,864.00
29	2/24/2023	84.3	9,143.0	5,965.0	5,356.0		9,815.00
30	2/25/2023	84.3	9,557.0	6,025.0	5,425.0		9,272.00
31	2/25/2023	85.6	9,271.0	6,941.0	5,358.0		9,757.00
32	2/26/2023	84.2	9,406.0	7,533.0	5,450.0		9,359.00
33	2/26/2023	85.3	9,720.0	7,412.0	5,597.0		10,727.00
34	2/27/2023	85.5	9,610.0	7,142.0	5,910.0		9,313.00
35	2/27/2023	84.4	9,662.0	7,203.0	6,015.0		9,321.00
36	2/28/2023	85.1	9,731.0	7,630.0	5,780.0		9,520.00
37	2/28/2023	84.6	10,099.0	7,676.0	5,759.0		9,235.00
38	3/1/2023	82.1	9,884.0	7,918.0	6,710.0		9,674.00
39	3/1/2023	86	9,747.0	7,053.0	5,391.0		9,685.00
40	3/2/2023	82.6	9,300.0	7,607.0	6,194.0		9,683.00
41	3/2/2023	82.1	9,535.0	8,415.0	5,826.0		9,339.00



# 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)
47	3/6/2023	87.2	8,775.0	6,768.0	5,874.0		9,550.00
48	3/6/2023	84.9	8,726.0	6,897.0	5,479.0		9,293.00
49	3/6/2023	83.9	8,627.0	7,463.0	6,688.0		9,531.00
50	3/7/2023	86.6	8,630.0	6,578.0	5,095.0		9,298.00
51	3/7/2023	87.1	9,108.0	5,735.0	5,429.0		9,472.00
52	3/8/2023	85.4	9,135.0	6,009.0	5,840.0		9,284.00
53	3/8/2023	83.8	8,995.0	6,007.0	4,920.0		9,282.00
54	3/9/2023	87.4	9,167.0	7,006.0	4,993.0		9,435.00
55	3/9/2023	84.9	8,672.0	6,113.0	6,155.0		9,177.00
56	3/9/2023	85.4	8,639.0	7,335.0	5,540.0		9,156.00
57	3/9/2023	85.5	8,872.0	8,133.0	5,610.0		9,427.00
58	3/10/2023	84.7	8,862.0	5,979.0	4,905.0		9,207.00
59	3/10/2023	87.6	9,195.0	7,314.0	4,910.0		9,450.00
60	3/11/2023	85.4	9,238.0	7,319.0	4,990.0		9,199.00
61	3/11/2023	85	9,114.0	6,380.0	5,564.0		9,202.00
62	3/11/2023	87	9,358.0	6,943.0	5,975.0		9,343.00
63	3/12/2023	87.3	9,070.0	7,401.0	5,608.0		9,123.00
64	3/12/2023	85.9	8,853.0	6,099.0	5,510.0		9,165.00
65	3/12/2023	87.3	9,130.0	7,129.0	5,760.0		9,936.00
66	3/13/2023	85.7	8,839.0	6,002.0	5,948.0		9,049.00
67	3/13/2023	85.3	8,704.0	7,237.0	4,750.0		9,110.00
68	3/14/2023	88.3	7,725.0	7,297.0	3,550.0		9,340.00
69	3/14/2023	86.1	8,508.0	6,695.0	4,265.0		9,138.00
70	3/14/2023	87.6	8,695.0	6,881.0	4,710.0		9,123.00
71	3/15/2023	85	8,759.0	6,585.0	5,965.0		9,124.00
72	3/15/2023	85.3	8,926.0	6,841.0	6,175.0		9,025.00
73	3/16/2023	85.9	8,742.0	6,609.0	6,121.0	RECEIVED Office of Oil and Gas	9,319.00
74	3/17/2023	87.3	8,934.0	6,664.0	6,075.0		9,140.00
75	3/17/2023	87.8	8,859.0	6,571.0	5,281.0	AUG 04 2023	9,332.00
76	3/17/2023	87.7	8,774.0	6,663.0	5,030.0		9,314.00
77	3/18/2023	85.5	8,799.0	7,509.0	4,950.0		9,145.00
78	3/18/2023	85.5	8,368.0	6,599.0	4,819.0	AV Department Environmental Protection	9,255.00
79	3/18/2023	87.4	8,404.0	5,838.0	5,025.0		9,117.00
80	3/19/2023	83.3	8,255.0	6,804.0	4,575.0		9,054.00
81	3/19/2023	85.1	8,115.0	7,218.0	4,685.0		9,119.00
82	3/19/2023	87.7	8,014.0	5,941.0	4,925.0		9,178.00
83	3/20/2023	87.8	8,512.0	5,808.0	4,715.0		9,084.00
84	3/20/2023	86	7,973.0	6,536.0	4,925.0		8,982.00
85	3/21/2023	85	8,011.0	5,890.0	4,369.0		9,325.00
86	3/21/2023	88.2	7,569.0	6,272.0	4,490.0		9,005.00
87	3/22/2023	89.4	8,854.0	7,890.0	4,494.0		9,207.00
88	3/22/2023	84.3	7,526.0	6,129.0	4,440.0		9,128.00
89	3/24/2023	84	8,017.0	5,819.0	4,419.0		9,136.00
90	3/24/2023	83.7	7,545.0	6,583.0	4,664.0		9,058.00
91	3/25/2023	86.3	7,822.0	6,905.0	4,757.0		9,086.00
92	3/25/2023	88.6	8,051.0	6,162.0	5,177.0		9,074.00
93	3/25/2023	86.5	7,454.0	7,054.0	4,519.0		9,010.00
94	3/26/2023	84.1	7,768.0	7,070.0	4,492.0		9,091.00
95	3/26/2023	88.9	7,732.0	6,594.0	4,725.0		9,071.00
96	3/26/2023	84.6	7,680.0	6,529.0	4,867.0		9,068.00
97	3/27/2023	87.3	7,529.0	6,955.0	4,800.0		8,994.00
98	3/27/2023	88.5	7,653.0	6,036.0	4,601.0		9,171.00
99	3/27/2023	87.9	7,524.0	6,372.0	4,819.0		9,148.00
100	3/28/2023	87.3	7,575.0	6,559.0	4,425.0		9,053.00





# WV R 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)
102	3/29/2023	84.1	6,954.0	5,907.0	4,718.0		9,008.00
103	3/30/2023	85	7,141.0	6,990.0	4,450.0		8,894.00

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AUG 04 2023

WV Department of  
Environmental Protection

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

Well Operator's Report of  
Initial Gas-Oil Ratio

Well Operator Arsenal Resources LLC  
Address 6031 Wallace Road Ext. Suite 101  
Wexford, PA 15090

Designated Agent Eric Morris  
Address 633 West Main Street  
Bridgeport WV 26330

Geological Target Formation: Marcellus Depth 7696 feet  
Perforation Interval 8088- 28992 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 <b>7/4/23</b>		Time <b>6:00 AM</b>		End of Test Date <b>7/5/23</b>		Time <b>6:00 AM</b>		Duration of Test <b>24 Hrs</b>	
Tubing Pressure <b>NA</b>		Casing Pressure <b>2350</b>		Separator Pressure <b>300</b>		Separator Temperature <b>72</b>			
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.) <b>Flowing</b>						RECEIVED Office of Oil and Gas	

**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"/>		AUG 04 2023 WV Department of Environmental Protection	
Orifice diameter		Pipe Diameter (inside)		Nominal Choke Size inches <b>36/64"</b>				
Differential Pressure range		Max. Static pressure range		Prover and Orifice diameter - inches <b>4.062" run with 2.75" orifice</b>				
Differential <b>202" H2O</b>			Static <b>300 psi</b>					
Gas Gravity (Air = 1.0) Measured		Flowing Temperature <b>72</b>		Gas Temperature <b>118</b>				
Estimated								
24 Hour Coefficient		24 Hour coefficient pressure PSIA						

**TEST RESULTS**

Daily Oil <b>0</b>	Daily Water <b>846 BBLs</b>	Daily Gas <b>12116 MCF</b>	Gas-Oil Ratio <b>NA</b>
-----------------------	--------------------------------	-------------------------------	----------------------------

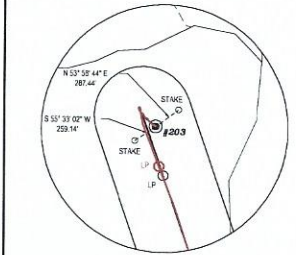
Arsenal Resources LLC  
BY: [Signature] Well Operator  
ITS: Director of Geology & Dev Planning



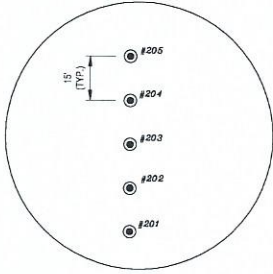
SURFACE HOLE SURVEYED 39° 17' 30" (NAD27)  
 BOTTOM HOLE SURVEYED 39° 12' 30" (NAD27)

Latitude: (NAD27)

5,557' AD  
 5,588'



REFERENCES TIES (NTS)

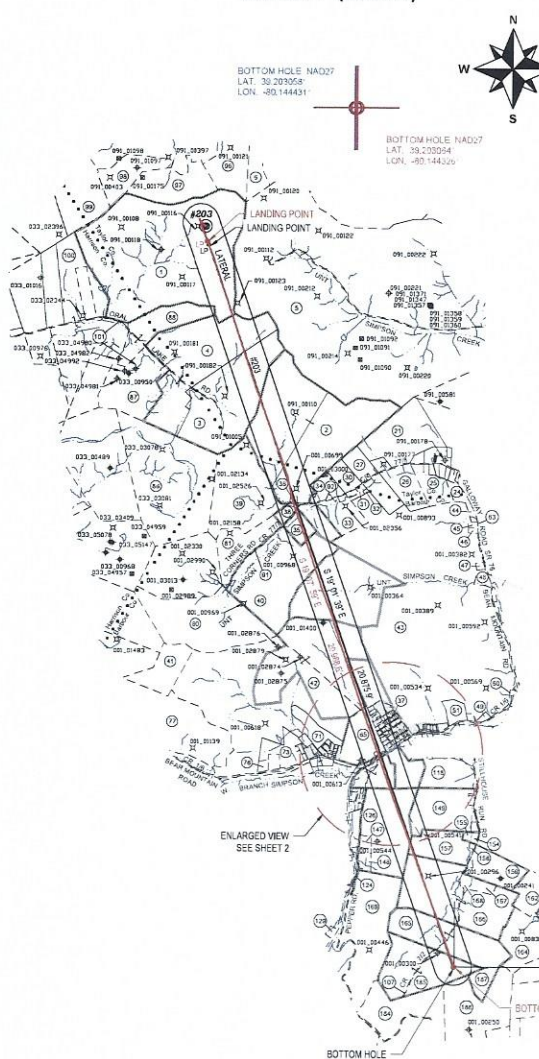


REFERENCES TO PROPOSED HORIZONTAL WELL SURFACE LOCATIONS (NTS)

- REFERENCE NOTES**
- 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
  - State Plane Coordinates & NAD83 Lat/Long by differential submeter mapping grade GPS.
  - There are no railroads, dwellings, or agricultural buildings within 625 feet of center of pad.
  - 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**

(NAD83-WV) US SURVEY FT.

**TOP HOLE**  
 N: 277001.722 E: 1779051.662  
 N: 276497.633 E: 1779051.662  
 N: 1779051.662 E: 1779051.662

**LANDING POINT**  
 N: 276497.633 E: 1779051.662  
 N: 1779051.662 E: 1779051.662

**BOTTOM HOLE**  
 N: 256752.143 E: 1789335.770  
 N: 256752.143 E: 1789335.770  
 N: 1789335.770 E: 1789335.770

(NAD83-LAT/LONG) DECIMAL

**TOP HOLE**  
 N: 39.258581 E: -80.169090  
 N: 39.258581 E: -80.169090  
 N: 39.258581 E: -80.169090

**LANDING POINT**  
 N: 39.257159 E: -80.168709  
 N: 39.257159 E: -80.168709  
 N: 39.257159 E: -80.168709

**BOTTOM HOLE**  
 N: 39.203152 E: -80.144237  
 N: 39.203152 E: -80.144237  
 N: 39.203152 E: -80.144237

(UTM, NAD83) METER

**TOP HOLE**  
 N: 4345801.284 E: 571690.396  
 N: 4345801.284 E: 571690.396  
 N: 4345801.284 E: 571690.396

**LANDING POINT**  
 N: 4345544.103 E: 571716.966  
 N: 4345544.103 E: 571716.966  
 N: 4345544.103 E: 571716.966

**BOTTOM HOLE**  
 N: 4329569.804 E: 573899.26  
 N: 4329569.804 E: 573899.26  
 N: 4329569.804 E: 573899.26

Longitude: (NAD27)

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 Office of Oil and Gas  
 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  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



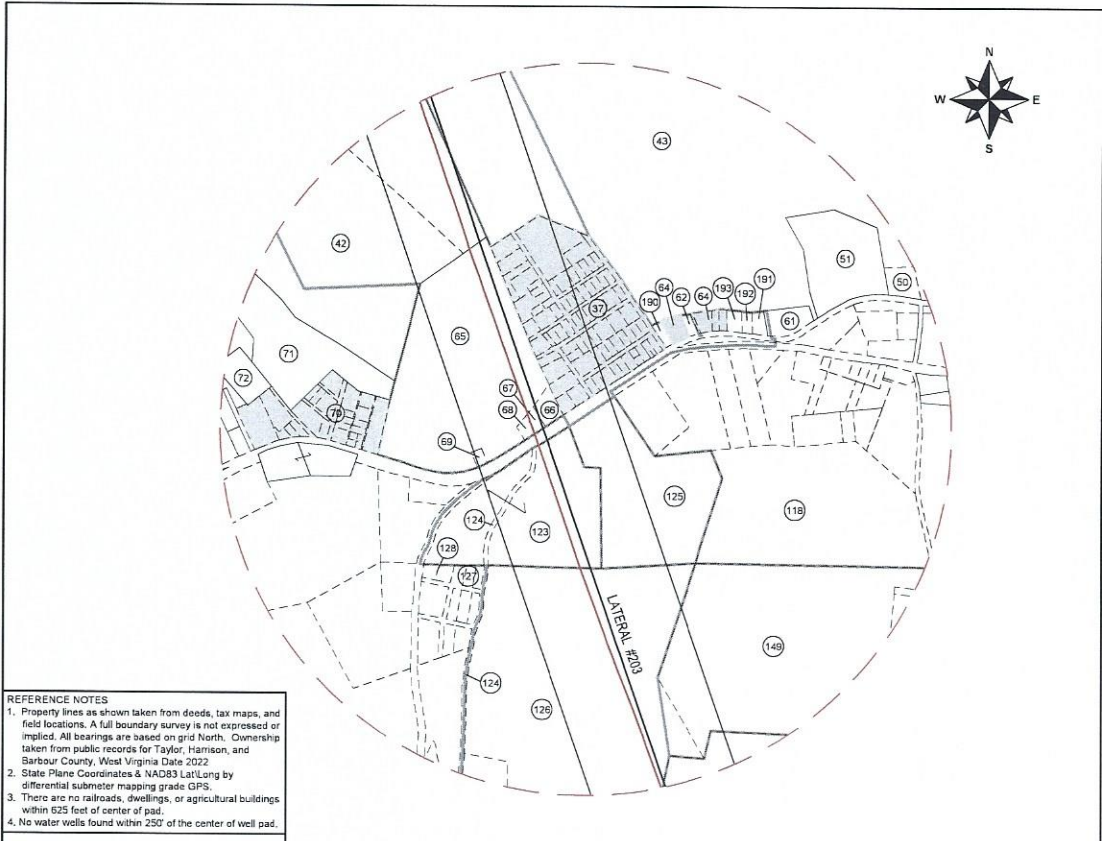
DATE: MARCH 14, 2023  
 OPERATOR'S WELL #: JOHNSON TFP-40 # 203  
 API WELL #: 47 091 1368  
 STATE COUNTY PERMIT

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 ±

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: 7.906' TMD: 29.095'  
 WELL OPERATOR: ARSENAL RESOURCES  
 ADDRESS: 6031 WALLACE ROAD EXTENSION # 300  
 CITY: WEXFORD STATE: PA ZIP: 15090  
 DESIGNATED AGENT: NATHAN SKEEN  
 ADDRESS: 633 MAIN STREET  
 CITY: BRIDGEPORT STATE: WV ZIP: 26330

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



**REFERENCE NOTES**  
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—	PROPOSED WELL LATERAL
---	PROPOSED WELL TIE LINE
---	STREAM
---	EXISTING ROAD
---	BUFFER
---	PROPERTY LINE
---	MINERAL TRACT BOUNDARY
---	COUNTY BOUNDARY LINE
⊙ #H	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

ENLARGED PLAT AREA

RECEIVED  
Office of Oil and Gas

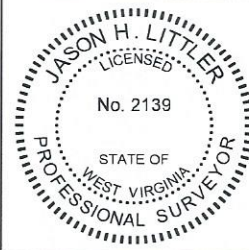
AUG 04 2023

**AS-DRILLED PLAT**

FILE#: 22078-001  
 SHEET#: 2 of 3  
 SCALE: 1" = 1000'  
 TICK SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE OF ELEVATION: WW-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  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: MARCH 14, 2023  
 JOHNSON TFP-40  
 OPERATOR'S WELL #: # 203  
 API WELL #: 47 091 1368  
 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 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: 7,906' TMD: 29,095'

WELL OPERATOR: ARSENAL RESOURCES  
 ADDRESS: 6031 WALLACE ROAD EXTENSION # 300  
 CITY: WEXFORD STATE: PA ZIP: 15090

DESIGNATED AGENT: NATHAN SKEEN  
 ADDRESS: 633 MAIN STREET  
 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	17-15-0331-0027-0000	JOHNSON RENEE	5	091	45-04-0011-0001-0000	CFS FARMS LIMITED LIABILITY CO
4	033	17-15-0351-0012-0000	GCSTREAM LLC	6	091	45-04-0008-0002-0000	CRIPPIN JAMES S & ELAINE M & SURV
3	033	17-15-0351-0013-0000	GCSTREAM LLC	21	091	45-04-0011-0005-0005	BECKWITH LUMBER COMPANY
2	001	01-09-0009-0002-0000	STEWART FARM LLC	24	091	45-04-0011-0007-0005	SANFORD RICHARD LEE & PAMELA & SURV
36	001	01-09-0009-0004-0000	STEWART FARM LLC	25	091	45-04-0011-0008-0000	RAVIS THOMAS E
38	001	01-09-0009-0003-0000	STEWART FARM LLC	29	091	45-04-0011-0008-0001	RAVIS THOMAS E
35	001	01-09-0006-0002-0001	SMALLWOOD RUSSELL S & ANGELA WRS	37	091	45-04-0011-0003-0000	PROBST PAUL
40	001	01-09-0009-0000-0000	SEESSE ROBERT & BRENDA HWS	30	091	45-04-0011-0002-0000	PROBST PAUL
43	001	01-09-0009-0002-0000	WOLFE LARRY, ROBERT WOLFE & STANLEY WOLFE ET UXES, HWS	31	001	01-09-0009-0008-0000	CLEAVENGER LEONARD D
42	001	01-09-0011-0001-0000	POLINO ENTERPRISES INC	32	001	01-09-0009-0008-0002	CLEAVENGER LEONARD D
65	001	01-09-0012-0027-0000	WOLFE LARRY MICHAEL	33	001	01-09-0009-0007-0000	CRUISE STEPHEN DALE & MICHAEL LYNN
86	001	01-09-0012-0028-0000	WOLFE LARRY, ROBERT & STANLEY	34	001	01-05-0009-0005-0000	STEWART FARM LLC
87	001	01-09-0012-0027-0002	WOLFE LARRY MICHAEL & ELLEN SUE HWS	37	001	PLAT	CLEAVENGER PLATT
88	001	01-09-0012-0027-0001	WOLFE LARRY MICHAEL	39	001	01-09-0009-0001-0000	STEWART FARM LLC
123	001	01-09-0012-0028-0000	MURRAY SARA N	41	001	01-09-0012-0001-0000	POLINO ENTERPRISES INC
126	001	01-09-0012-0047-0000	SHAHAN CKEY C	44	001	01-09-0009-0001-0001	MALCOM MICHAEL R & JUDITH L
157	001	01-09-0012-0050-0002	KNAPP FRANCES C & JERREL F WS	45	001	01-09-0009-0011-0000	SALTIS STEVE JR & AMY HWS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	46	001	01-09-0009-0012-0000	SALTIS STEVE JR & AMY HWS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	47	001	01-09-0009-0013-0000	MURPHY GEORGE H JR & TAMELA J, HWS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	48	001	01-09-0009-0022-0002	WOLFE MICHAEL B
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	49	001	01-09-0012-0004-0002	KROITS TERRY & DONETTA
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	50	001	01-09-0012-0014-0000	MOSSO JOHN A TRUST
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	51	001	01-09-0009-0022-0003	KRIZNER FRANK A & RENEE B HWS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	60		RIGHT-OF-WAY	COUNTY ROUTE 106 BEAR MOUNTAIN ROAD
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	61	001	01-09-0012-0004-0000	SWAGER ARGYLE C
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	62	001	01-09-0012-0007-0001	DARR WILLIAM
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	63	001	RIGHT-OF-WAY	GALLOWAY STATE ROUTE 76
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	64	001	01-09-012A-0091 thru 94-0000	CRISS DAVID A
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	64	001	01-09-012A-0107-0000	CRISS DAVID A
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	69	001	01-09-0012-0028-0000	WOLFE LARRY M & ELLEN S HWS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	70	001	PLAIN OF LOTS	BROOKHOLM PLAIN OF LOTS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	71	001	01-09-0012-0081-0000	CHARLTON FRYER AVANDA S & TIMOTHY R CHARLTON LIE
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	72	001	01-05-0012-0060-0000	SOHIMANSKY STEVEN & DEBRA HWS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	73	001	01-09-0012-0042-0000	FOSTER ERIC M & TRACI D WS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	75	001	01-09-0012-0041-0000	TRADER PAUL & LORETTA WRS
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	77	001	01-09-0012-0001-0000	BECKWITH LUMBER CO INC
165	001	01-09-0012-0050-0000	MARTIN ROBERT E	80	001	01-09-0010-0002-0000	SMITH JO ANN V & GARY M BROWN JR (WS)
165	001	01-09-0009-0019-0000	STEWART FARM LLC	81	001	01-09-0009-0019-0000	STEWART FARM LLC
165	033	17-15-0351-0023-0000	GCSTREAM LLC	86	033	17-15-0351-0023-0000	GCSTREAM LLC
165	033	17-15-0351-0011-0000	GCSTREAM LLC	87	033	17-15-0351-0011-0000	GCSTREAM LLC
165	033	17-15-0351-0010-0000	GCSTREAM LLC	88	033	17-15-0351-0010-0000	GCSTREAM LLC
165	091	45-04-0008-0002-0000	GCSTREAM LLC	96	091	45-04-0008-0002-0000	GCSTREAM LLC
165	091	45-04-0007-0002-0000	GCSTREAM LLC	97	091	45-04-0007-0002-0000	GCSTREAM LLC
165	091	45-04-0007-0009-0000	GCSTREAM LLC	98	091	45-04-0007-0009-0000	GCSTREAM LLC
165	091	45-04-0007-0009-0000	GCSTREAM LLC	99	091	45-04-0007-0009-0000	GCSTREAM LLC
165	033	17-15-0351-0009-0000	GCSTREAM LLC	100	033	17-15-0351-0009-0000	GCSTREAM LLC
165	001	01-09-0012-0017-0000	GCSTREAM LLC	118	001	01-09-0012-0017-0000	GCSTREAM LLC
165	001	01-09-0012-0025-0000	GCSTREAM LLC	125	001	01-09-0012-0025-0000	GCSTREAM LLC
165	001	RIGHT-OF-WAY	GCSTREAM LLC	124	001	RIGHT-OF-WAY	GCSTREAM LLC
165	001	01-09-012C-0024 & 25-0000	GCSTREAM LLC	127	001	01-09-012C-0024 & 25-0000	GCSTREAM LLC
165	001	01-09-012C-0024 & 25-0000	GCSTREAM LLC	128	001	01-09-012C-0024 & 25-0000	GCSTREAM LLC
165	001	01-09-0002-0004-0000	GCSTREAM LLC	129	001	01-09-0002-0004-0000	GCSTREAM LLC
165	001	01-09-0012-0047-0002	GCSTREAM LLC	147	001	01-09-0012-0047-0002	GCSTREAM LLC
165	001	01-09-0012-0047-0003	GCSTREAM LLC	148	001	01-09-0012-0047-0003	GCSTREAM LLC
165	001	01-09-0012-0001-0000	GCSTREAM LLC	149	001	01-09-0012-0001-0000	GCSTREAM LLC
165	001	01-09-0012-0050-0003	GCSTREAM LLC	154	001	01-09-0012-0050-0003	GCSTREAM LLC
165	001	01-09-0012-0050-0005	GCSTREAM LLC	155	001	01-09-0012-0050-0005	GCSTREAM LLC
165	001	01-09-0012-0050-0008	GCSTREAM LLC	156	001	01-09-0012-0050-0008	GCSTREAM LLC
165	001	01-09-0012-0050-0001	GCSTREAM LLC	159	001	01-09-0012-0050-0001	GCSTREAM LLC
165	001	01-09-0012-0050-0000	GCSTREAM LLC	162	001	01-09-0012-0050-0000	GCSTREAM LLC
165	001	01-09-0002-0007-0000	GCSTREAM LLC	164	001	01-09-0002-0007-0000	GCSTREAM LLC
165	001	01-09-0002-0009-0000	GCSTREAM LLC	167	001	01-09-0002-0009-0000	GCSTREAM LLC
165	001	01-09-0012-0050-0004	GCSTREAM LLC	168	001	01-09-0012-0050-0004	GCSTREAM LLC
165	001	01-09-0012-0050-0001	GCSTREAM LLC	169	001	01-09-0012-0050-0001	GCSTREAM LLC
165	001	01-04-0003-0002-0000	GCSTREAM LLC	184	001	01-04-0003-0002-0000	GCSTREAM LLC
165	001	01-04-0003-0003-0000	GCSTREAM LLC	187	001	01-04-0003-0003-0000	GCSTREAM LLC
165	001	01-04-0003-0004-0000	GCSTREAM LLC	190	001	01-04-0003-0004-0000	GCSTREAM LLC
165	001	01-09-0012-0004-0004	GCSTREAM LLC	191	001	01-09-0012-0004-0004	GCSTREAM LLC
165	001	01-09-012A-0096-0000	GCSTREAM LLC	192	001	01-09-012A-0096-0000	GCSTREAM LLC
165	001	01-09-012A-0096-0000	GCSTREAM LLC	193	001	01-09-012A-0096-0000	GCSTREAM LLC

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- 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
⊙ #H	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**

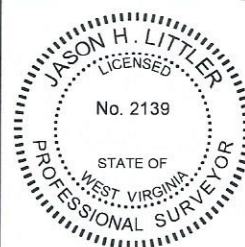
RECEIVED  
Office of Oil and Gas  
AUG 04 2023

Environmental Protection

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: *Jason H. Littler* 3/14/23  
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



DATE: MARCH 14, 2023  
JOHNSON TFP-40  
OPERATOR'S WELL #: # 203  
API WELL #: 47 091 1368  
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 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: 7,906' TMD: 29,095'  
WELL OPERATOR: ARSENAL RESOURCES  
ADDRESS: 6031 WALLACE ROAD EXTENSION # 300  
CITY: WEXFORD STATE: PA ZIP: 15090  
DESIGNATED AGENT: NATHAN SKEEN  
ADDRESS: 633 MAIN STREET  
CITY: BRIDGEPORT STATE: WV ZIP: 26330

SURFACE HOLE SURVEYED 39° 17' 30" (NAD27)  
 BOTTOM HOLE SURVEYED 39° 12' 30" (NAD27)

5,557' AD 822'  
 5,586'

Latitude: (NAD27)

(NAD83-WVN) US SURVEY FT.

TOP HOLE  
 N) 277001.722 N) 277001.72  
 E) 1779051.662 E) 1779051.66

LANDING POINT  
 N) 276497.633 N) 276593.07  
 E) 1779130.490 E) 1779086.09

BOTTOM HOLE  
 N) 256762.143 N) 256763.94  
 E) 1785935.770 E) 1785965.37

(NAD83-LAT/LONG) DECIMAL

TOP HOLE  
 N) 39.258581 N) 39.258582  
 E) -80.169060 E) -80.169060

LANDING POINT  
 N) 39.257199 N) 39.257460  
 E) -80.168769 E) -80.168928

BOTTOM HOLE  
 N) 39.203152 N) 39.203158  
 E) -80.144237 E) -80.144132

(UTM, NAD83) METER

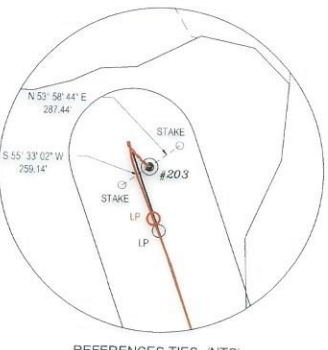
TOP HOLE  
 N) 4345801.284 N) 4345801.28  
 E) 571690.396 E) 571690.40

LANDING POINT  
 N) 4345648.103 N) 4345676.96  
 E) 571716.966 E) 571702.96

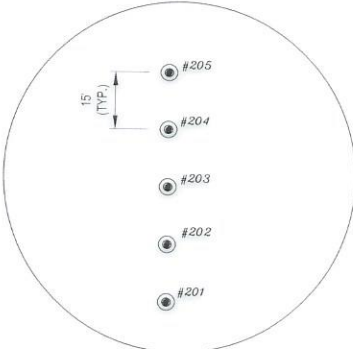
BOTTOM HOLE  
 N) 4339669.804 N) 4339670.50  
 E) 573890.246 E) 573899.26

12,078'

Longitude: (NAD27)



REFERENCES TIES (NTS)

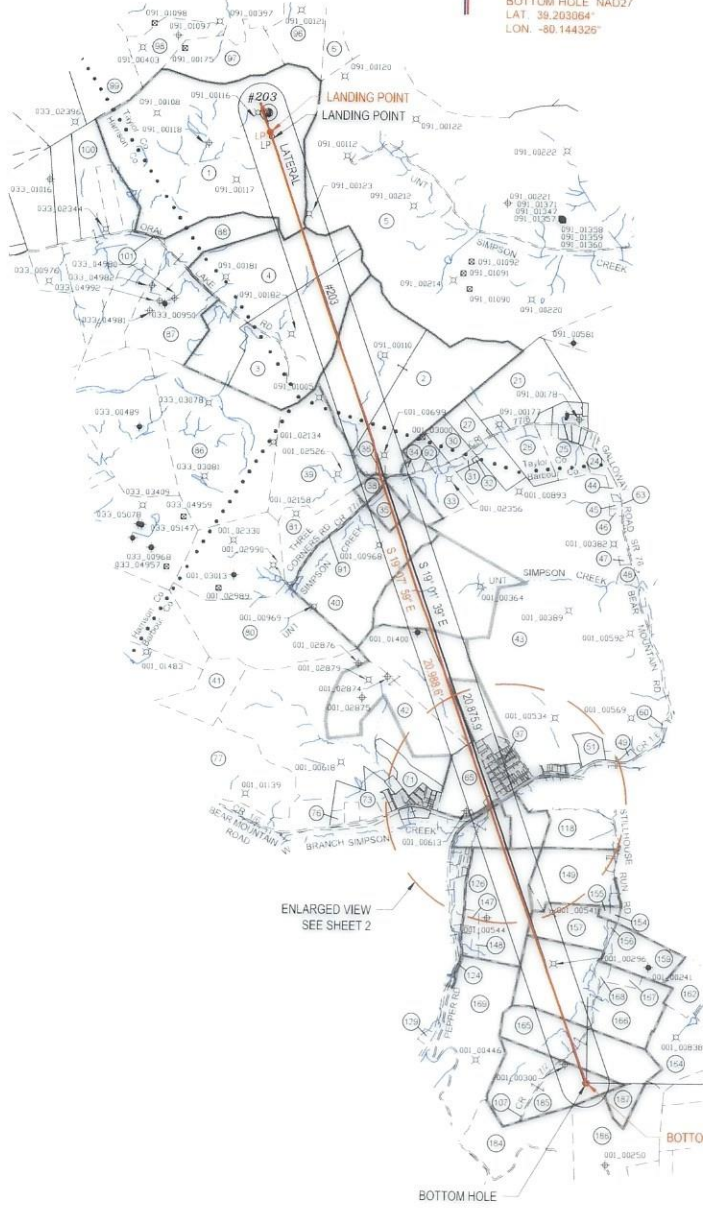


REFERENCES TO PROPOSED HORIZONTAL WELL SURFACE LOCATIONS NTS

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LEGEND

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- PROPOSED WELL LATERAL
- PROPOSED WELL TIE LINE
- STREAM
- EXISTING ROAD
- BUFFER
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- EXISTING WELL HEAD (Never Drilled)
- EXISTING WELL HEAD (Future Drill)
- LANDING POINT/BOTTOM HOLE
- SURFACE OWNER



AS-DRILLED PLAT

SURFACE HOLE NAD27  
 LAT. 39.258489°  
 LON. -80.169253°  
 #203 AD  
 #203  
 SURFACE HOLE NAD27  
 LAT. 39.258489°  
 LON. -80.169253°

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

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DATE: MARCH 14, 2023  
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 OPERATOR'S WELL #: # 203

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 SURFACE OWNER: RENEE JOHNSON  
 OIL & GAS ROYALTY OWNER: SEE WW-6A1

API WELL #: 47 091 1368  
 STATE COUNTY PERMIT

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

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- PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON
- CLEAN OUT & REPLUG  OTHER CHANGE SPECIFY:

TARGET FORMATION: MARCELLUS  
 WELL OPERATOR: ARSENAL RESOURCES  
 ADDRESS: 6031 WALLACE ROAD EXTENSION # 300  
 CITY: WEXFORD STATE: PA ZIP: 15090

ESTIMATED DEPTH: TVD: 7,906' TMD: 29,095'  
 DESIGNATED AGENT: NATHAN SKEEN  
 ADDRESS: 633 MAIN STREET  
 CITY: BRIDGEPORT STATE: WV ZIP: 26330

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



ENLARGED PLAT AREA

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- EXISTING WELL HEAD (Future Drill)
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**AS-DRILLED PLAT**

FILE#: 22078-001  
 SHEET#: 2 of 3  
 SCALE: 1" = 1000'  
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PROVEN SOURCE OF ELEVATION: WV-RTN CORS STATION

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 OIL & GAS ROYALTY OWNER: SEE WW-6A1

ELEVATION: 1,332.5  
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 ACREAGE: 284 ±  
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 DESIGNATED AGENT: NATHAN SKEEN  
 ADDRESS: 633 MAIN STREET  
 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	17-15-0331-0027-0000	JOHNSON RENEE	5	091	46-04-0011-0001-0000	CFS FARMS LIMITED LIABILITY CO
4	033	17-15-0351-0012-0000	GCSTREAM LLC	6	091	46-04-0008-0022-0000	GRIPPIN JAMES S & ELAINE M & SURV
3	033	17-15-0351-0013-0000	GCSTREAM LLC	21	091	46-04-0011-0005-0005	BECKWITH LUMBER COMPANY
2	001	01-09-0009-0002-0000	STEWART FARM LLC	24	091	46-04-0011-0007-0005	SANFORD RICHARD LEE & PAMELA & SURV
36	001	01-09-0009-0004-0000	STEWART FARM LLC	25	091	46-04-0011-0006-0000	RAVIS THOMAS E
38	001	01-09-0009-0003-0000	STEWART FARM LLC	26	091	46-04-0011-0005-0001	RAVIS THOMAS E
35	001	01-09-0009-0020-0001	SMALLWOOD RUSSELL & ANGELA WRS	27	091	46-04-0011-0003-0000	PROPST PAUL
40	001	01-09-0009-0020-0000	SEESE ROBERT & BRENDA HWS	30	091	46-04-0011-0002-0000	PROPST PAUL
43	001	01-09-0009-0022-0000	WOLFE LARRY ROBERT WOLFE & STANLEY WOLFE ET UXES, HWS	31	001	01-09-0009-0008-0000	CLEAVENGER LEONARD D
42	001	01-09-0011-0001-0000	POLINO ENTERPRISES INC	32	001	01-09-0009-0008-0002	CLEAVENGER LEONARD D
65	001	01-09-0012-0027-0000	WOLFE LARRY MICHAEL	33	001	01-09-0009-0007-0000	CROUSE STEPHEN DALE & MICHAEL LYNN
66	001	01-09-0012-0026-0000	WOLFE LARRY ROBERT & STANLEY	34	001	01-09-0009-0006-0000	STEWART FARM LLC
67	001	01-09-0012-0027-0002	WOLFE LARRY MICHAEL & ELLEN SUE HWS	37	001	PLAT	CLEAVENGER PLATT
68	001	01-09-0012-0027-0001	WOLFE LARRY MICHAEL	39	001	01-09-0009-0001-0000	STEWART FARM LLC
123	001	01-09-0012-0029-0000	MURRAY SARA N	41	001	01-09-0012-0001-0000	POLINO ENTERPRISES INC
126	001	01-09-0012-0047-0000	SHAHAN OKEY C	44	001	01-09-0009-0017-0001	MADDIX MICHAEL R & JUDITH L
157	001	01-09-0012-0050-0002	KNAPP FRANCES C & JERREL F WS	45	001	01-09-0009-0011-0000	SALTIS STEVE JR & AMY HWS
166	001	01-09-0012-0050-0000	MARTIN ROBERT E	46	001	01-09-0009-0012-0000	SALTIS STEVE JR & AMY R HWS
165	001	01-09-0022-0006-0000	MARTIN ROBERT	47	001	01-09-0009-0013-0000	MURPHY GEORGE H JR & TAMELA J, HWS
185	001	01-09-0022-0005-0000	MARTIN ROBERT E	48	001	01-09-0009-0022-0002	WOLFE MICHAEL B
				49	001	01-09-0012-0004-0002	KNOTTS TERRY & DONETTA
				50	001	01-09-0012-0014-0000	MOSES JOHN A TRUST
				51	001	01-09-0009-0022-0003	KRIZNER FRANK A & RENEE B HWS
				60		RIGHT-OF-WAY	COUNTY ROUTE 1/6 BEAR MOUNTAIN ROAD
				61	001	01-09-0012-0004-0000	SWIGER ARGYLE C
				62	001	01-09-012A-0107-0001	DARR WILLIAM
				63	001	RIGHT-OF-WAY	GALLOWAY STATE ROUTE 76
				64	001	01-09-012A-0091 thru 94-0000	CRISS DAVID A
				64	001	01-09-012A-0107-0000	CRISS DAVID A
				69	001	01-09-0012-0028-0000	WOLFE LARRY M & ELLEN S HWS
				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
				73	001	01-09-0012-0042-0000	FOSTER ERIC M & TRACI D W/S
				76	001	01-09-0012-0041-0000	TRADER PAUL & LORETTA WRS
				77	001	01-09-0011-0001-0002	BECKWITH LUMBER CO INC
				80	001	01-09-0010-0002-0000	SMITH JO ANN V & GARY M BROWN JR (W/S)
				81	001	01-09-0009-0019-0000	STEWART FARM LLC
				86	033	17-15-0351-0023-0000	GCSTREAM LLC
				87	033	17-15-0351-0011-0000	GCSTREAM LLC
				88	033	17-15-0351-0010-0000	JOHNSON RENEE
				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
				118	001	01-09-0012-0017-0000	MONTGOMERY MICHAEL J & BERTHA, HWS
				125	001	01-09-0012-0025-0000	VUKOVICH ROBERT K
				124		RIGHT-OF-WAY	PEPPER ROAD
				127	001	01-09-012C-0026 & 27-0000	LIPSOOMB ANNA L/ E MICHAEL J MASSIE
				128	001	01-09-012C-0024 & 25-0000	LIPSOOMB ANNA G MCCORD
				129	001	01-09-0022-0004-0000	MARPLE JAMES D & GENA F DOWELL WS
				147	001	01-09-0012-0047-0002	FARRIS MYRTLE ELLEN
				148	001	01-09-0012-0047-0003	MCCORD TIMMY
				149	001	01-09-0012-0051-0000	WBL SPE II LLC
				154	001	01-09-0012-0050-0003	DELANEY JESSE PAUL
				155	001	01-09-0012-0050-0005	DELANEY JESSE PAUL & BRANDIE L, HWS
				156	001	01-09-0012-0050-0008	KNAPP JERREL
				159	001	01-09-0012-0050-0001	STREETS BRENDA K ET ALS
				162	001	01-09-0012-0055-0000	CORDER WAYNE D & JEANETTE S, HWS
				164	001	01-09-0022-0007-0000	WARE SHIRLEY LIVING TRUST
				167	001	01-09-0022-0009-0000	STREETS FRANKLIN D & BRENDA (WROS)
				168	001	01-09-0012-0050-0004	MCCUNE CLAYTON & CHARLOTTE WS
				169	001	01-09-0022-0004-0001	BAKER AARON & MARKEE WS
				184	001	01-04-0003-0019-0000	HUMPHREYS RUSSELL K & ROBIN D HWS
				186	001	01-04-0003-0020-0000	STOUT HARRY J II & HARLEN J
				187	001	01-04-0003-0047-0000	MARTIN ROBERT E
				190	001	01-09-012A-0090-0000	ELMOND MUREL L (L/E)
				191	001	01-09-0012-0004-0004	TINGLER RUSSEL J
				192	001	01-09-012A-0095-0000	KITTLE FRANK G HRS ET AL
				193	001	01-09-012A-0096-0000	BARTLETT MICHAEL ALLEN SR

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**AS-DRILLED PLAT**

FILE#: 22078-001  
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