

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

API 47-091-01363 County Taylor District Flemington
Quad Rosemont Pad Name Johnson TFP 40 Field/Pool Name _____
Farm name Renee Johnson Well Number Johnson TFP 40 202
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 4345796.71 Easting 571690.47
Landing Point of Curve Northing 4345571.37 Easting 571417.49
Bottom Hole Northing 4341403.07 Easting 572927.98

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 05/07/2021 Date drilling commenced 7/13/2022 Date drilling ceased 10/12/2022
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:
MJK
10/18/2023

API 47-091 - 01363 Farm name Renee Johnson Well number Johnson TFP 40 202

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"	2,152' 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"	22,662' 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 surface

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	703	15.60	1.19	836.6	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	4444	14.5	1.19	5288.4	Surface	8+
Tubing	NA	NA	NA	NA	NA	NA	NA

Drillers TD (ft) 22,700'(GL) Loggers TD (ft) NA
 Deepest formation penetrated Marcellus Plug back to (ft) NA
 Plug back procedure NA

Kick off depth (ft) 6,867'(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

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

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API 47- 091 - 01363 Farm name Renee Johnson Well number Johnson TFP 40 202

PRODUCING FORMATION(S)	DEPTHS	
Marcellus Shale	7747 - 7897	TVD 8143 - 22,640 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 11116 mcfpd Oil 0 bpd NGL 0 bpd Water 635 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	4839	0	4891	Sandstone, Siltstone, Coal, Shale
Elk Siltstone	4839	4861	4891	4913	Siltstone
Sand/Silt/Shale	4861	7441	4913	7568	Sandstone, Siltstone, Shale
Burket	7441	7465	7568	7599	Shale
Tully	7465	7515	7599	7664	Limestone
Mahantango	7515	7680	7664	7957	Shale
Marcellus	7680	7744	7957	8183	Shale
Lower Marcellus	7744	-	8183	22,700	Shale

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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 American Cementing
Address 1213 Stonecreek Rd City New Philadelphia State OH Zip 44663

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 40 202	API/UWI 4709101363	Lease Johnson TFP 40	Pad Name Johnson TFP 40	Operator Arsenal Resources	Well Type Horizontal	Well Subtype Multi
Orig KB Elev (ft) 1,364.79	Water Depth (ft)	Well License Date	Spud Date 9/28/2022	Rig Release Date 10/12/2022		
County TAYLOR	District	Division	Division Code			
Lat/Long Datum	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	8,143.0	8,305.0	40	
4/21/2023	8,343.0	8,505.0	40	
4/21/2023	8,543.0	8,705.0	40	
4/21/2023	8,743.0	8,905.0	40	
4/21/2023	8,943.0	9,105.0	40	
4/20/2023	9,143.0	9,305.0	40	
4/20/2023	9,344.0	9,505.0	40	
4/20/2023	9,543.0	9,705.0	40	
4/20/2023	9,741.0	9,905.0	40	
4/19/2023	9,943.0	10,105.0	40	
4/19/2023	10,143.0	10,305.0	40	
4/19/2023	10,343.0	10,504.0	40	
4/19/2023	10,543.0	10,705.0	40	
4/18/2023	10,743.0	10,905.0	40	
4/18/2023	10,943.0	11,105.0	40	
4/18/2023	11,143.0	11,305.0	40	
4/17/2023	11,343.0	11,505.0	40	
4/17/2023	11,543.0	11,705.0	40	
4/17/2023	11,743.0	11,905.0	40	
4/16/2023	11,943.0	12,105.0	40	
4/16/2023	12,143.0	12,305.0	40	
4/16/2023	12,343.0	12,505.0	40	
4/15/2023	12,543.0	12,705.0	40	
4/15/2023	12,743.0	12,905.0	40	
4/15/2023	12,943.0	13,105.0	40	
4/15/2023	13,143.0	13,305.0	40	
4/14/2023	13,343.0	13,505.0	40	
4/14/2023	13,543.0	13,705.0	40	
4/14/2023	13,743.0	13,905.0	40	
4/13/2023	13,941.0	14,105.0	40	
4/13/2023	14,143.0	14,304.0	40	
4/13/2023	14,343.0	14,499.0	40	
4/13/2023	14,543.0	14,704.0	40	
4/12/2023	14,743.0	14,905.0	40	
4/12/2023	14,943.0	15,105.0	40	
4/12/2023	15,143.0	15,305.0	40	
4/12/2023	15,343.0	15,505.0	40	
4/11/2023	15,543.0	15,705.0	40	

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WR 35 FORM COMPLETIONS INFORMATION

Perforations

Date	Top (ftKB)	Btm (ftKB)	Entered Shot Total	Zone
4/9/2023	17,143.0	17,305.0	40	
4/9/2023	17,343.0	17,505.0	40	
4/9/2023	17,543.0	17,705.0	40	
4/8/2023	17,743.0	17,905.0	40	
4/8/2023	17,943.0	18,105.0	40	
4/8/2023	18,143.0	18,305.0	40	
4/8/2023	18,343.0	18,505.0	40	
4/7/2023	18,543.0	18,705.0	40	
4/7/2023	18,743.0	18,905.0	40	
4/7/2023	18,943.0	19,105.0	40	
4/7/2023	19,142.0	19,305.0	40	
4/6/2023	19,343.0	19,505.0	40	
4/6/2023	19,542.0	19,705.0	40	
4/6/2023	19,743.0	19,906.0	40	
4/6/2023	19,943.0	20,105.0	40	
4/5/2023	20,143.0	20,304.0	40	
4/5/2023	20,343.0	20,505.0	40	
4/5/2023	20,543.0	20,705.0	40	
4/5/2023	20,743.0	20,905.0	40	
4/5/2023	20,943.0	21,105.0	40	
4/4/2023	21,143.0	21,305.0	40	
4/3/2023	21,343.0	21,505.0	40	
4/3/2023	21,543.0	21,705.0	40	
4/3/2023	21,743.0	21,905.0	40	
4/2/2023	21,943.0	22,105.0	40	
4/2/2023	22,143.0	22,305.0	40	
4/1/2023	22,343.0	22,505.0	40	
1/27/2023	22,543.0	22,640.0	30	

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Stimulations Summary

Start Date 4/1/2023	R Treat Avg (bbl/min)	P Treat Avg (psi)	Proppant Total (lb) 36,276,130.0	Volume Clean Total (bbl) 670,949.00	Frac Gradient Average (psi/ft) 1.13
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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	83.3	8,809.0	7,669.0	5,690.0		7,282.00
2	4/2/2023	85.5	8,886.0	7,061.0	5,610.0		9,848.00
3	4/2/2023	84.8	8,759.0	6,275.0	5,912.0		9,746.00
4	4/3/2023	84.7	9,265.0	7,835.0	5,367.0		9,386.00
5	4/3/2023	84.8	8,944.0	7,308.0	5,725.0		9,335.00
6	4/3/2023	80.6	9,225.0	6,123.0	5,890.0		9,479.00
7	4/4/2023	86.4	9,567.0	8,333.0	5,613.0		9,343.00
8	4/4/2023	87.1	9,562.0	7,591.0	5,845.0		9,399.00
9	4/5/2023	84.9	9,217.0	7,830.0	5,810.0		9,340.00
10	4/5/2023	83.5	9,443.0	7,809.0	6,010.0		9,341.00
11	4/5/2023	84.5	9,024.0	7,286.0	6,010.0		9,296.00
12	4/5/2023	85.9	9,082.0	7,551.0	5,784.0		9,361.00
13	4/6/2023	83.9	8,639.0	6,942.0	6,050.0		9,476.00
14	4/6/2023	85.2	8,949.0	6,835.0	5,990.0		9,249.00
15	4/6/2023	84.9	9,104.0	7,152.0	6,010.0		9,301.00
16	4/6/2023	78.7	9,176.0	7,459.0	5,405.0		10,545.00



WV 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)
22	4/8/2023	85.1	9,037.0	5,189.0	5,580.0		9,241.00
23	4/8/2023	86	8,938.0	6,719.0	5,490.0		9,194.00
24	4/8/2023	86.8	8,918.0	5,781.0	5,959.0		9,307.00
25	4/8/2023	86.6	9,489.0	6,710.0	5,957.0		9,239.00
26	4/9/2023	83.1	9,175.0	6,971.0	5,190.0		9,110.00
27	4/9/2023	84.9	9,102.0	6,866.0	5,250.0		9,349.00
28	4/9/2023	83.5	9,097.0	6,805.0	6,145.0		9,229.00
29	4/9/2023	82.2	8,815.0	5,850.0	6,703.0		9,228.00
30	4/10/2023	87.6	9,008.0	6,763.0	4,990.0		9,236.00
31	4/10/2023	83	9,010.0	6,390.0	6,150.0		9,128.00
32	4/10/2023	85.1	9,108.0	7,356.0	5,457.0		9,236.00
33	4/11/2023	85.2	8,851.0	7,723.0	5,801.0		9,218.00
34	4/11/2023	85.6	8,873.0	7,389.0	6,050.0		9,119.00
35	4/11/2023	84.4	8,970.0	6,194.0	6,190.0		9,148.00
36	4/11/2023	86.4	9,063.0	7,032.0	5,962.0		9,206.00
37	4/12/2023	85.4	8,777.0	7,691.0	6,040.0		9,246.00
38	4/12/2023	84.2	8,843.0	6,916.0	5,921.0		9,161.00
39	4/12/2023	87.3	8,881.0	7,436.0	6,436.0		9,212.00
40	4/12/2023	87	8,862.0	7,124.0	5,812.0		9,223.00
41	4/13/2023	87.7	8,825.0	7,580.0	5,364.0		9,205.00
42	4/13/2023	85.2	8,405.0	6,893.0	4,745.0		9,142.00
43	4/13/2023	85.8	8,347.0	6,516.0	6,269.0		9,200.00
44	4/14/2023	88.1	8,541.0	5,945.0	6,354.0		9,168.00
45	4/14/2023	87.6	8,328.0	6,603.0	6,318.0		9,134.00
46	4/14/2023	86.6	8,380.0	6,710.0	6,350.0		9,158.00
47	4/14/2023	86.4	8,334.0	6,755.0	6,421.0		9,208.00
48	4/15/2023	86.2	8,306.0	6,464.0	5,063.0		9,158.00
49	4/15/2023	87.1	8,279.0	6,748.0	5,773.0		9,119.00
50	4/15/2023	87.7	8,664.0	6,704.0	6,338.0		9,192.00
51	4/16/2023	87.6	8,453.0	6,905.0	5,804.0		9,090.00
52	4/16/2023	87.8	8,240.0	6,915.0	5,256.0		9,100.00
53	4/16/2023	87	8,383.0	7,373.0	4,661.0		9,154.00
54	4/17/2023	88.7	8,103.0	5,688.0	5,407.0		9,109.00
55	4/17/2023	88	8,011.0	6,286.0	4,639.0		9,052.00
56	4/17/2023	87.9	8,314.0	7,352.0	5,175.0		9,199.00
57	4/18/2023	88.4	7,952.0	6,853.0	4,596.0		9,056.00
58	4/18/2023	88.4	7,952.0	6,853.0	4,596.0		9,056.00
59	4/18/2023	88.7	7,759.0	6,304.0	5,145.0		9,211.00
60	4/19/2023	88.2	7,756.0	5,997.0	4,596.0		9,204.00
61	4/19/2023	88.6	7,861.0	5,677.0	4,360.0		9,058.00
62	4/19/2023	87	7,603.0	6,495.0	5,850.0		9,147.00
63	4/19/2023	87.8	7,824.0	6,412.0	4,710.0		9,025.00
64	4/19/2023	88.5	7,475.0	6,068.0	4,580.0		9,076.00
65	4/20/2023	88.2	7,584.0	6,278.0	4,811.0		9,051.00
66	4/20/2023	85	7,233.0	6,383.0	4,916.0		9,063.00
67	4/20/2023	87.7	7,355.0	5,259.0	4,750.0		9,143.00
68	4/20/2023	87.3	7,413.0	6,609.0	5,050.0		9,037.00
69	4/21/2023	87.9	7,656.0	5,691.0	4,892.0		9,116.00
70	4/21/2023	87.4	7,372.0	6,216.0	4,791.0		9,079.00
71	4/21/2023	87.4	7,372.0	6,216.0	4,610.0		9,010.00
72	4/22/2023	82.9	6,953.0	5,937.0	5,010.0		8,982.00
73	4/22/2023	80.6	6,812.0	5,767.0	4,772.0		8,143.00

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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 7680 feet
Perforation Interval 8143-22640 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 1900	Separator Pressure 295	Separator Temperature 66	
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"/>	RECEIVED Office of Oil and Gas AUG 04 2023 WV Department of Environmental Protection
Orifice diameter	Pipe Diameter (inside)	Positive flow prover <input checked="" type="checkbox"/>	
Differential Pressure range	Max. Static pressure range	Nominal Choke Size inches 36/64"	
Differential 107" H2O	Static 295 psi	Prover and Orifice diameter - inches 4.062" run with 3.0" orifice	
Gas Gravity (Air = 1.0) Measured	Flowing Temperature 66	Gas Temperature 112	
24 Hour Coefficient	24 Hour coefficient pressure PSIA		

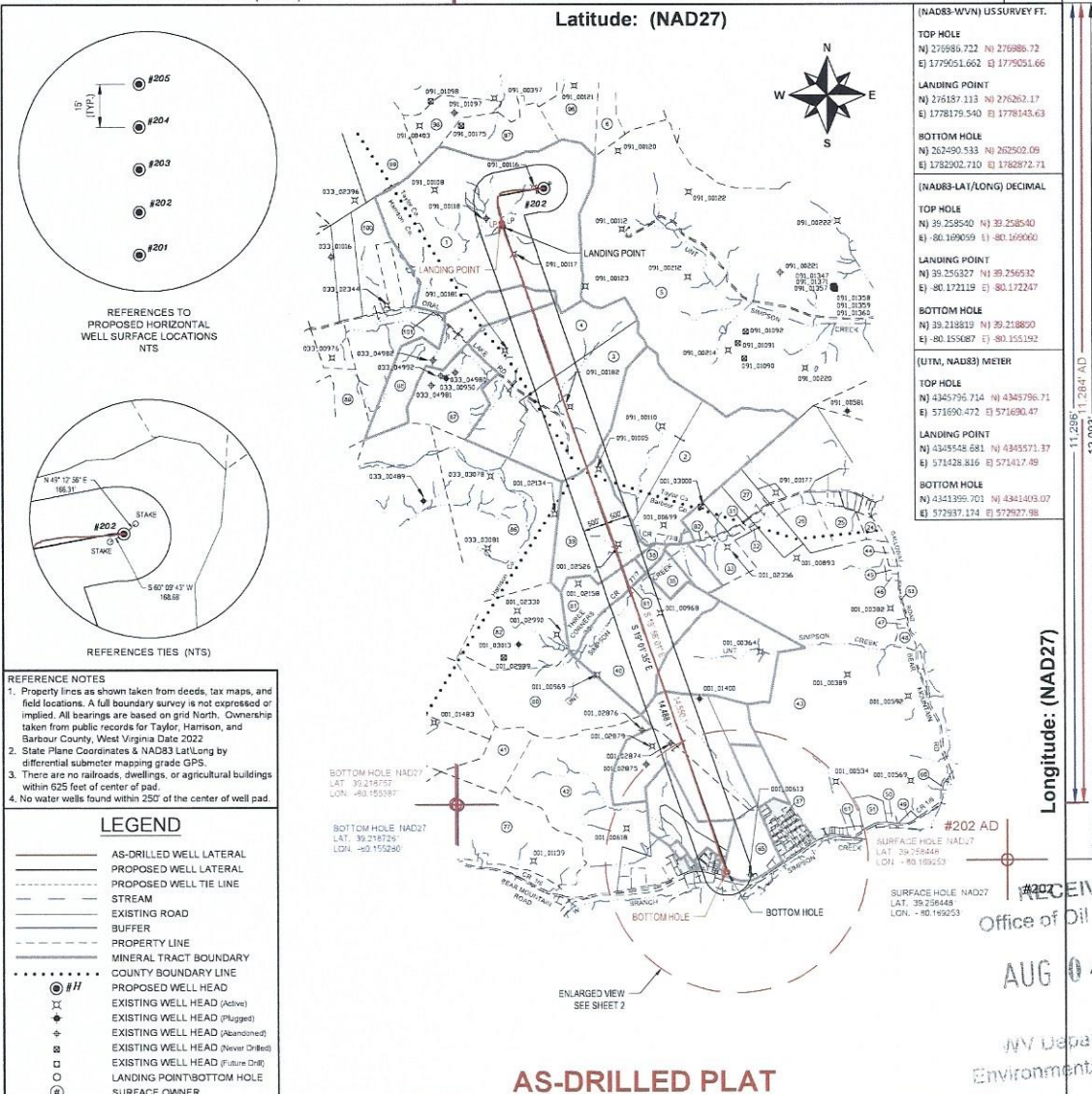
TEST RESULTS

Daily Oil 0	Daily Water 635 BBLs	Daily Gas 11116 MCF	Gas-Oil Ratio NA
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Arsenal Resources LLC
BY [Signature] Well Operator
ITS: Director of Geology & Dev Planning

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

8 633' AD
 8 603' AD
 822'



FILE#: 22078-001
 SHEET#: 1 of 3
 SCALE: 1" = 3000'
 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.

DATE: MARCH 14, 2023

JOHNSON TFP-40

OPERATOR'S WELL #: # 202

API WELL #: 47 091 1363
 STATE COUNTY PERMIT

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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WDEP
 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

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

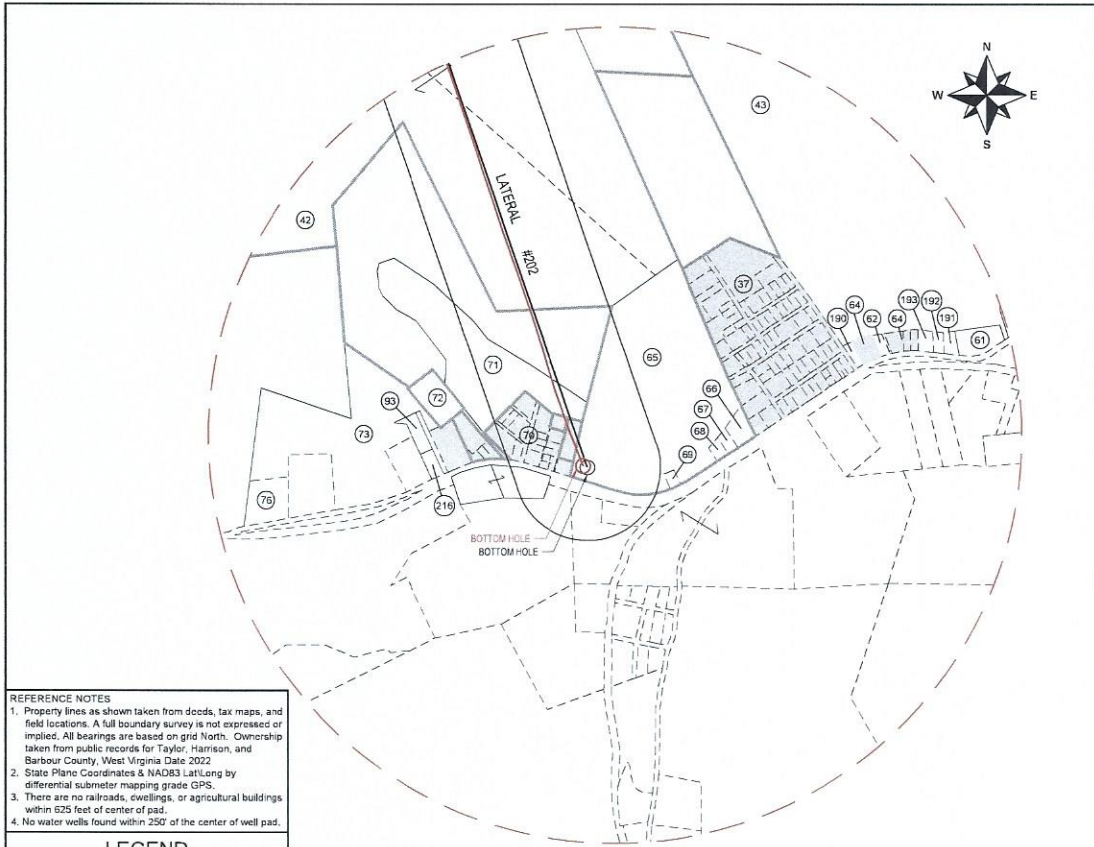
TARGET FORMATION: MARCELLUS

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

DESIGNED AGENT: NATHAN SKEEN
 ADDRESS: 633 MAIN STREET
 CITY: BRIDGEPORT STATE: WV ZIP: 26330

ESTIMATED DEPTH: TVD: 7,897' TMD: 22,700'

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



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, cowlings, 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 (Newer Drill)
⊙	EXISTING WELL HEAD (Future Drill)
⊙	LANDING POINT/BOTTOM HOLE
⊙	SURFACE OWNER

ENLARGED PLAT AREA

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

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

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 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
 JOHNSON TFP-40
 OPERATOR'S WELL #: # 202
 API WELL #: 47 091 1363
 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: _____
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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	17-15-0231-0027-0000	JOHNSON RENEE	2	001	01-09-0009-0002-0000	STEWART FARM LLC
88	033	17-15-0231-0010-0000	JOHNSON RENEE	5	001	46-04-0011-0001-0000	CRS FARMS LIMITED LIABILITY CO
4	033	17-15-0231-0012-0000	GCSTREAM LLC	6	091	46-04-0008-0022-0000	GRIPPIN JAMES S & ELAINE M & SURV
3	033	17-15-0231-0013-0000	GCSTREAM LLC	24	091	46-04-0011-0007-0005	SANFORD RICHARD LEE & PAMELA & SURV
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90	001	01-09-0009-0020-0000	SEESE ROBERT & BRENDA HWS	27	091	46-04-0011-0003-0000	PROBST 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
71	001	01-09-0012-0001-0000	CHARLTON-FRYER AMANDA S & TIMOTHY R CHARLTON LUE	33	001	01-09-0009-0007-0000	CROUSE STEPHEN DALE & MICHAEL LYNN
70	001	PLAN OF LOTS	BROWNTON PLAN OF LOTS	35	001	01-09-0009-0020-0001	SMALLWOOD RUSSELL & ANGELA WRS
65	001	01-09-0012-0027-0000	WOLFE LARRY MICHAEL	37	001	PLAT	CLEAVENGER PLATT
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				48	001	01-09-0009-0022-0002	WOLFE MICHAEL B
				48	001	01-09-0012-0004-0002	KNOTTS TERRY & DONETTA
				50	001	01-09-0012-0014-0000	MOSES JO JOHN A TRUST
				51	001	01-09-0009-0022-0003	KINDNER FRANK A & REECE B HWS
				60		RIGHT-OF-WAY	COUNTY ROUTE 109 BEAR MOUNTAIN ROAD
				61	001	01-09-0012-0004-0000	SWIGER ARGYLE C
				62	001	01-09-012A-0107-2001	DARR WILLIAM
				65	001	RIGHT-OF-WAY	GALLOWAY STATE ROUTE 76
				64	001	01-09-012A-0081 Hwy 94 0000	CRISS DAVID A
				64	001	01-09-012A-0107-2000	CRISS DAVID A
				69	001	01-09-0012-0028-0000	WOLFE LARRY, ROBERT & STANLEY
				67	001	01-09-0012-0027-0002	WOLFE LARRY MICHAEL & ELLEN SUE HWS
				68	001	01-09-0012-0027-0001	WOLFE LARRY MICHAEL
				69	001	01-09-0012-0028-0000	WOLFE LARRY M & ELLEN S HWS
				72	001	01-09-0012-0000-0000	SCHMAHSKY STEVEN & DEBRA HWS
				73	001	01-09-0012-0043-0000	FOSTER ERIC M & TRACI D HWS
				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 (WS)
				82	001	01-09-0010-0001-0000	SMITH JO ANN V & GARY M BROWN JR (WS)
				88	033	17-15-0231-0023-0000	GCSTREAM LLC
				87	033	17-15-0231-0011-0000	GCSTREAM LLC
				89	033	17-15-0231-0007-0000	WARDER ORAN LEE & JANICE L
				83	001	01-09-012C-0003-0000	AREBUSH RITA
				96	091	46-04-0008-0021-0000	MILARD 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	FRUIJ CLINTON A (HERS)
				100	033	17-15-0231-0008-0000	JOHNSON RENEE
				190	001	01-09-012A-0090-0000	ELMOND MUREL L (VE)
				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-0095-0000	BARTLET MICHAEL ALLEN SR
				216	001	01-09-012C-0003-0000	COSTELLO HUGO, HRS

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LEGEND

—	AS-DRILLED WELL LATERAL
—	PROPOSED WELL LATERAL
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—	STREAM
—	EXISTING ROAD
—	BUFFER
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⊙	EXISTING WELL HEAD (Future Drill)
⊙	LANDING POINT/BOTTOM HOLE
⊙	SURFACE OWNER

AS-DRILLED PLAT

FILE#: 22078-001
SHEET#: 3 of 3
SCALE: 1" = 3000'
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
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 #: # 202
API WELL #: 47 091 1363
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: _____
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ADDRESS: 6031 WALLACE ROAD EXTENSION # 300 ADDRESS: 633 MAIN STREET
CITY: WEXFORD STATE: PA ZIP: 15090 CITY: BRIDGEPORT STATE: WV ZIP: 26330

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



People Powered. Asset Strong.

August 2, 2023

West Virginia Department of Environmental Protection
Office of Oil & Gas
Attn: Melanie Hankins
601 57th Street SE
Charleston, WV 25304

Dear Ms. Hankins:

Enclosed please find the WR-34, WR-35, Frac Focus Report, and the As-Drilled Plat for Johnson TFP 40 #201, 202, 203, 204 & 205. Please let me know if you have any questions or need any additional information.

Thank you,

A handwritten signature in blue ink, appearing to read 'Dave Boyer', with a long horizontal flourish extending to the right.

Dave Boyer
Director of Geology & Development Planning
(c) 724-759-0088
(e) dboyer@arsenalresources.com

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

6031 Wallace Road Ext., Suite 101
Wexford, PA 15090
P - 724-940-1100
F - 800-428-0981
www.arsenalresources.com

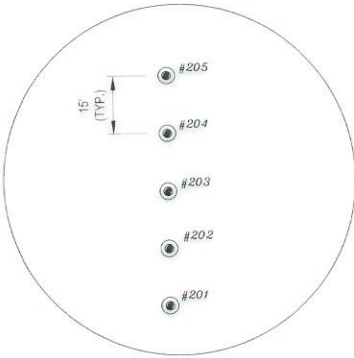
SURFACE HOLE SURVEYED 39° 17' 30" (NAD27)
 BOTTOM HOLE SURVEYED 39° 15' 00" (NAD27)

8,633' AD
 8,603'

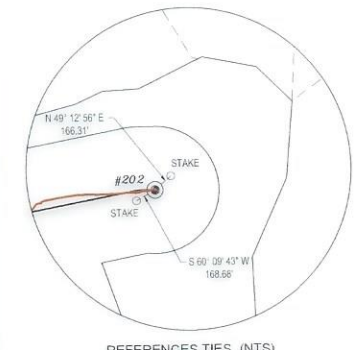
Latitude: (NAD27)



(NAD83-WVN) US SURVEY FT.	
TOP HOLE	
N) 276986.722	N) 276986.72
E) 1779051.662	E) 1779051.66
LANDING POINT	
N) 276187.113	N) 276262.17
E) 1778179.540	E) 1778143.63
BOTTOM HOLE	
N) 262490.533	N) 262502.09
E) 1782902.710	E) 1782872.71
(NAD83-LAT/LONG) DECIMAL	
TOP HOLE	
N) 39.258540	N) 39.258540
E) -80.169059	E) -80.169060
LANDING POINT	
N) 39.256327	N) 39.256532
E) -80.172119	E) -80.172247
BOTTOM HOLE	
N) 39.218819	N) 39.218850
E) -80.155087	E) -80.155192
(UTM, NAD83) MEIER	
TOP HOLE	
N) 4345796.714	N) 4345796.71
E) 571690.472	E) 571690.47
LANDING POINT	
N) 4345548.681	N) 4345571.37
E) 571428.816	E) 571417.49
BOTTOM HOLE	
N) 4341399.701	N) 4341403.07
E) 572937.174	E) 572927.98



REFERENCES TO PROPOSED HORIZONTAL WELL SURFACE LOCATIONS NTS

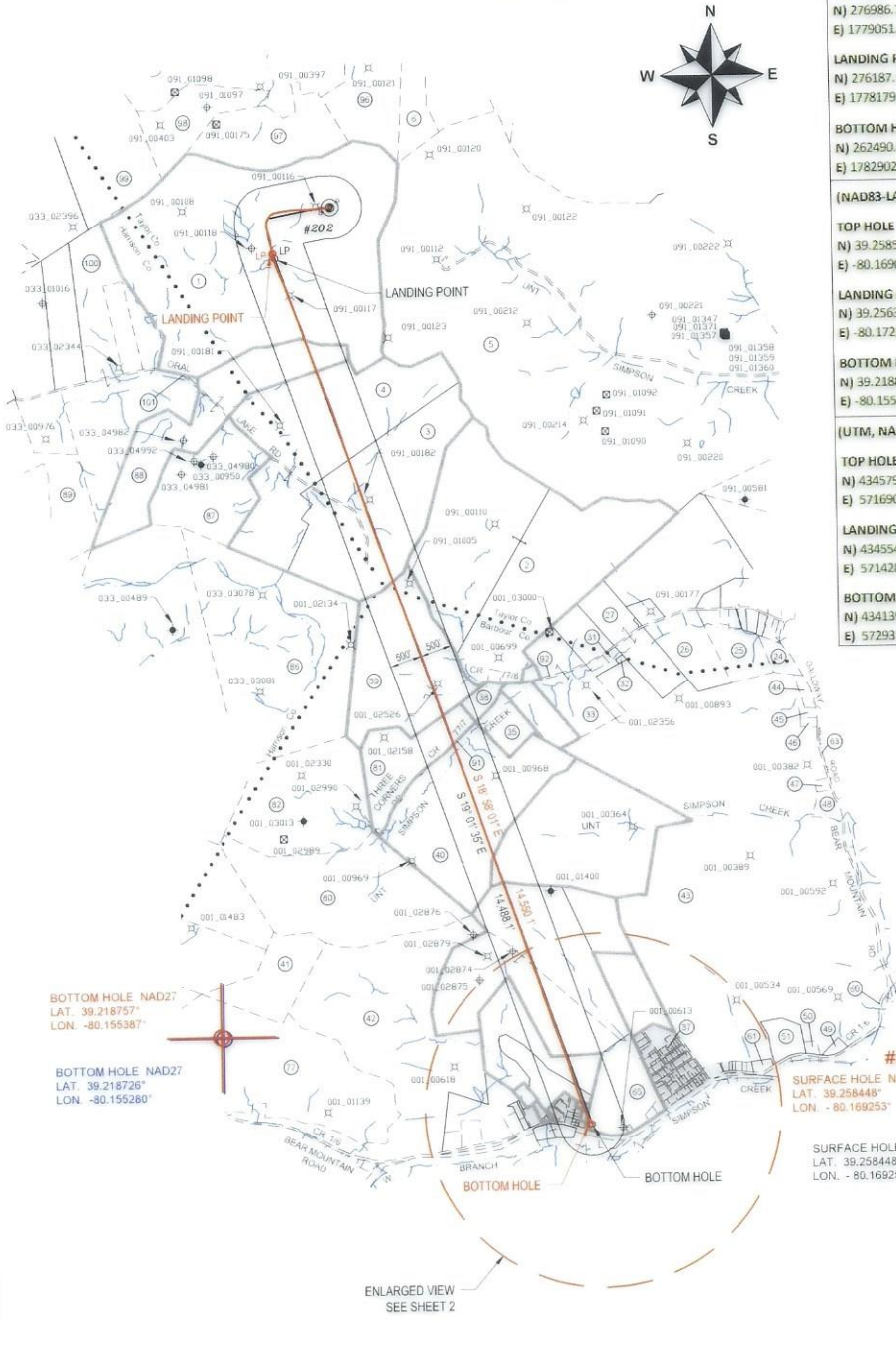


REFERENCES TIES (NTS)

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LEGEND

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



BOTTOM HOLE NAD27
 LAT. 39.218757°
 LON. -80.155387°

BOTTOM HOLE NAD27
 LAT. 39.218726°
 LON. -80.155280°

SURFACE HOLE NAD27
 LAT. 39.258448°
 LON. -80.169253°

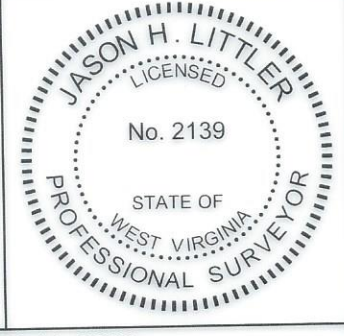
SURFACE HOLE NAD27
 LAT. 39.258448°
 LON. -80.169253°

AS-DRILLED PLAT

FILE#: 22078-001
 SHEET#: 1 of 3
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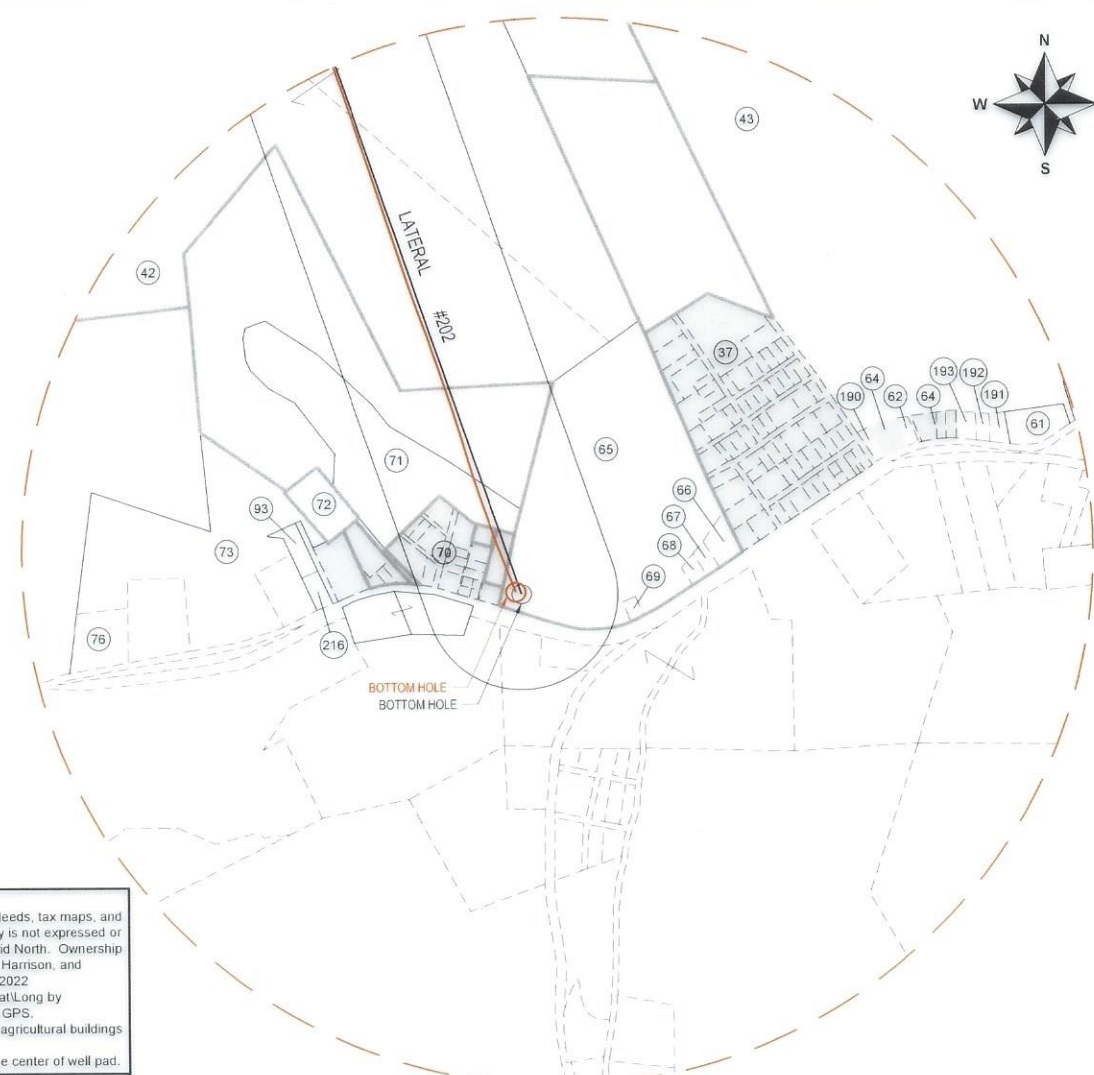
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BOTTOM HOLE SURVEYED 80° 07' 30" (NAD27)
 SURFACE HOLE SURVEYED 80° 10' 00" (NAD27)

Longitude: (NAD27)

11,296'
 11,264' AD
 12,093'



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ENLARGED PLAT AREA

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				49	001	01-09-0012-0004-0002	KNOTTS TERRY & DONETTA
				50	001	01-09-0012-0014-0000	MOSSO 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
				66	001	01-09-0012-0026-0000	WOLFE LARRY, ROBERT & STANLEY
				67	001	01-09-0012-0027-0002	WOLFE LARRY MICHAEL & ELLEN SUE HWS
				68	001	01-09-0012-0027-0001	WOLFE LARRY MICHAEL
				69	001	01-09-0012-0028-0000	WOLFE LARRY M & ELLEN S HWS
				72	001	01-09-0012-0060-0000	SCHIMANSKY STEVEN & DEBRA HWS
				73	001	01-09-0012-0042-0000	FOSTER ERIC M & TRACI D WRS
				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 (WS)
				82	001	01-09-0010-0001-0000	SMITH JO ANN V & GARY M BROWN JR (WS)
				86	033	17-15-0351-0023-0000	GCSTREAM LLC
				87	033	17-15-0351-0011-0000	GCSTREAM LLC
				89	033	17-15-0351-0007-0000	WARDER ORAN LEE & JANICE L
				93	001	01-09-012C-0003-0000	ARBAUGH RITA
				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
				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-0098-0000	BARTLETT MICHAEL ALLEN SR
				216	001	01-09-012C-0003-0000	COSTELLO HUGO, HRS

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. Ownerships 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

FILE#: 22078-001
 SHEET#: 3 of 3
 SCALE: 1" = 3000'
 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

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

TARGET FORMATION: MARCELLUS

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

DATE: MARCH 14, 2023

JOHNSON TFP-40
 OPERATOR'S WELL #: # 202

API WELL #: 47 091 1363
 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: _____

ESTIMATED DEPTH: TVD: 7,897' TMD: 22,700'

DESIGNATED AGENT: NATHAN SKEEN
 ADDRESS: 633 MAIN STREET
 CITY: BRIDGEPORT STATE: WV ZIP: 26330

