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Office of Oil and Gas

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

JUL 23 2025

WV Department of
Environmental Protection

API 47 - 033 - 06039 County Harrison District Clark
Quad Grafton Pad Name Laura Goff Davis Field/Pool Name _____
Farm name Laura Goff Davis Well Number 202
Operator (as registered with the OOG) Arsenal Resources
Address 6031 Wallace Rd Ext, Ste 200 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 4,346,211.19 Easting 554,739.41
Landing Point of Curve Northing 4,346,066.0 Easting 555,243.3
Bottom Hole Northing 4,340,281.2 Easting 557,344.8

Elevation (ft) 1007.6 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

Date permit issued 08/12/2024 Date drilling commenced 10/28/2024 Date drilling ceased 11/9/2024
Date completion activities began 12/05/2024 Date completion activities ceased 02/12/2025
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: _____

9-13-2025

09/19/2025

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WR-35
Rev. 8/23/13

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API 47-033 - 06039

Farm name Laura Goff Davis

Well number 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"	100 GL	New	94	NA	Y
Surface	17 1/2"	13 3/8"	682' GL	New	54.5	NA	Y
Coal	NA	NA	NA	NA	NA	NA	N
Intermediate 1	12 1/4"	9 5/8"	2,614 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"	28,003GL	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, Intermediate and lap onto intermediate on production.

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	168	15.60	1.21	203	Surface	8+
Surface	A	665	15.60	1.19	791.35	Surface	8+
Coal	NA	NA	NA	NA	NA	NA	NA
Intermediate 1	A	898	15.60	1.18	1059.64	Surface	8+
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	A	860/4365	14.5/15	1.29/1.17	1109/5107	1,293'	8+
Tubing	NA	NA	NA	NA	NA	NA	NA

Drillers TD (ft) 27,260 (GL)

Loggers TD (ft) NA

Deepest formation penetrated Marcellus

Plug back to (ft) NA

Plug back procedure NA

Kick off depth (ft) 6,445(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, 5.5"- one semi rigid centralizer on every joint from TD of casing to end of curve. Then every other joint to KOP. Every third joint from KOP to 2,400'; there will be no centralizers from 2,400' to surface

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED

98 8-13-2025

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Well number 202

[illegible]

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[illegible]

09/19/2025

Well number 202

MD

JUL 23 2025

Please insert additional pages as applicable.

OIL TEST ☐ Flow ☐ Pump

OPEN FLOW	Gas		Oil		NGL		Water		GAS MEASURED BY
	<u>20443</u>	mcfpd	<u>0</u>	bpd	<u>0</u>	bpd	<u>761</u>	bpd	☐ Estimated ☒ Orifice ☐ Pilot

Please insert additional pages as applicable.

State OK Zip 74119

State Zip

State OH Zip 43701

State OK Zip 73134

Please insert additional pages as applicable.

Date 7/21/2025

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

09/19/2025

Well Header

Well Name: LGD 202
Orig KB Elev (ft): 1,037.00
County: Harrison
Datum:
Jobs

API/UWI: 47-033-06039
Water Depth (ft):
District:
Latitude (°): 39° 15' 48.496" N

Lease:
Lic Date:
Division:
Longitude (°): 80° 21' 55.721" W

Pad Name: LDG
Spud Date: 10/28/2024
Division Code:
UTM E (m):

Operator: Arsenal Resources
RR Date: 11/9/2024

Well Type:

Well Subtype:

Job Cat:

Completion/Workover

Job Type: Initial Completion

Start Date: 11/30/2024

End Date: 02/12/2025

Perforations

Date	Top (ftKB)	Btm (ftKB)	Entered Shot Total	Zone
2/12/2025	7,488.00	7,488.00	7,650.00	40 Marcellus
2/11/2025	7,688.00	7,688.00	7,850.00	40 Marcellus
2/11/2025	7,888.00	7,888.00	8,050.00	40 Marcellus
2/11/2025	8,088.00	8,088.00	8,250.00	40 Marcellus
2/11/2025	8,288.00	8,288.00	8,450.00	40 Marcellus
2/10/2025	8,488.00	8,488.00	8,650.00	40 Marcellus
2/10/2025	8,688.00	8,688.00	8,850.00	40 Marcellus
2/10/2025	8,888.00	8,888.00	9,050.00	40 Marcellus
2/10/2025	9,088.00	9,088.00	9,250.00	40 Marcellus
2/9/2025	9,288.00	9,288.00	9,450.00	40 Marcellus
2/9/2025	9,488.00	9,488.00	9,650.00	40 Marcellus
2/9/2025	9,688.00	9,688.00	9,850.00	40 Marcellus
2/9/2025	9,888.00	9,888.00	10,050.00	40 Marcellus
2/8/2025	10,088.00	10,088.00	10,250.00	40 Marcellus
2/8/2025	10,288.00	10,288.00	10,449.00	40 Marcellus
2/8/2025	10,488.00	10,488.00	10,650.00	40 Marcellus
2/8/2025	10,688.00	10,688.00	10,852.00	40 Marcellus
2/7/2025	10,888.00	10,888.00	11,050.00	40 Marcellus
2/7/2025	11,088.00	11,088.00	11,250.00	40 Marcellus
2/7/2025	11,291.00	11,291.00	11,450.00	40 Marcellus
2/6/2025	11,488.00	11,488.00	11,650.00	40 Marcellus
2/6/2025	11,691.00	11,691.00	11,850.00	40 Marcellus
2/6/2025	11,888.00	11,888.00	12,050.00	40 Marcellus
2/6/2025	12,091.00	12,091.00	12,250.00	40 Marcellus
2/5/2025	12,288.00	12,288.00	12,450.00	40 Marcellus
2/5/2025	12,488.00	12,488.00	12,650.00	40 Marcellus
2/5/2025	12,688.00	12,688.00	12,850.00	40 Marcellus
2/5/2025	12,890.00	12,890.00	13,050.00	40 Marcellus
2/4/2025	13,088.00	13,088.00	13,250.00	40 Marcellus
2/4/2025	13,286.00	13,286.00	13,450.00	40 Marcellus
2/3/2025	13,489.00	13,489.00	13,650.00	40 Marcellus
2/3/2025	13,688.00	13,688.00	13,850.00	40 Marcellus
2/3/2025	13,888.00	13,888.00	14,050.00	40 Marcellus
2/3/2025	14,090.00	14,090.00	14,250.00	40 Marcellus
2/2/2025	14,288.00	14,288.00	14,450.00	40 Marcellus
2/2/2025	14,489.00	14,489.00	14,650.00	40 Marcellus
2/2/2025	14,688.00	14,688.00	14,850.00	40 Marcellus
2/1/2025	14,890.00	14,890.00	15,050.00	40 Marcellus
2/1/2025	15,088.00	15,088.00	15,250.00	40 Marcellus

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1/31/2025	15,291.00	15,450.00	40 Marcellus
1/31/2025	15,488.00	15,650.00	40 Marcellus
1/31/2025	15,688.00	15,850.00	40 Marcellus
1/31/2025	15,888.00	16,050.00	40 Marcellus
1/30/2025	16,088.00	16,250.00	40 Marcellus
1/30/2025	16,288.00	16,450.00	40 Marcellus
1/30/2025	16,488.00	16,650.00	40 Marcellus
1/29/2025	16,688.00	16,850.00	40 Marcellus
1/29/2025	16,888.00	17,050.00	40 Marcellus
1/29/2025	17,088.00	17,250.00	40 Marcellus
1/29/2025	17,288.00	17,450.00	40 Marcellus
1/28/2025	17,488.00	17,650.00	40 Marcellus
1/28/2025	17,688.00	17,850.00	40 Marcellus
1/28/2025	17,888.00	18,050.00	40 Marcellus
1/28/2025	18,088.00	18,250.00	40 Marcellus
1/27/2025	18,288.00	18,450.00	40 Marcellus
1/27/2025	18,488.00	18,650.00	40 Marcellus
1/27/2025	18,688.00	18,850.00	40 Marcellus
1/26/2025	18,888.00	19,050.00	40 Marcellus
1/26/2025	19,088.00	19,250.00	40 Marcellus
1/24/2025	19,288.00	19,450.00	40 Marcellus
1/23/2025	19,488.00	19,650.00	40 Marcellus
1/23/2025	19,688.00	19,850.00	40 Marcellus
1/22/2025	19,888.00	20,050.00	40 Marcellus
1/21/2025	20,088.00	20,250.00	40 Marcellus
1/21/2025	20,288.00	20,450.00	40 Marcellus
1/20/2025	20,488.00	20,650.00	40 Marcellus
1/20/2025	20,688.00	20,850.00	40 Marcellus
1/20/2025	20,888.00	21,050.00	40 Marcellus
1/19/2025	21,088.00	21,250.00	40 Marcellus
1/19/2025	21,288.00	21,450.00	40 Marcellus
1/19/2025	21,488.00	21,650.00	40 Marcellus
1/18/2025	21,688.00	21,850.00	40 Marcellus
1/18/2025	21,888.00	22,050.00	40 Marcellus
1/17/2025	22,088.00	22,250.00	40 Marcellus
1/17/2025	22,288.00	22,450.00	40 Marcellus
1/17/2025	22,488.00	22,650.00	40 Marcellus
1/17/2025	22,688.00	22,850.00	40 Marcellus
1/16/2025	22,888.00	23,050.00	40 Marcellus
1/16/2025	23,088.00	23,250.00	40 Marcellus
1/16/2025	23,288.00	23,450.00	40 Marcellus
1/15/2025	23,488.00	23,650.00	40 Marcellus
1/15/2025	23,688.00	23,849.00	40 Marcellus
1/14/2025	23,888.00	24,050.00	40 Marcellus
1/14/2025	24,088.00	24,247.00	40 Marcellus
1/14/2025	24,288.00	24,450.00	40 Marcellus
1/13/2025	24,488.00	24,648.00	40 Marcellus
1/13/2025	24,688.00	24,850.00	40 Marcellus
1/13/2025	24,888.00	25,052.00	40 Marcellus

09/19/2025

1/12/2025	25,088.00	25,250.00	40 Marcellus
1/12/2025	25,288.00	25,450.00	40 Marcellus
1/12/2025	25,491.00	25,650.00	40 Marcellus
1/11/2025	25,688.00	25,850.00	40 Marcellus
1/11/2025	25,886.00	26,050.00	40 Marcellus
1/10/2025	26,088.00	26,250.00	40 Marcellus
1/10/2025	26,291.00	26,450.00	40 Marcellus
1/10/2025	26,488.00	26,650.00	40 Marcellus
1/9/2025	26,686.00	26,850.00	40 Marcellus
1/9/2025	26,888.00	27,050.00	40 Marcellus
1/8/2025	27,090.00	27,250.00	40 Marcellus
1/8/2025	27,288.00	27,450.00	40 Marcellus
1/7/2025	27,485.00	27,650.00	40 Marcellus
1/7/2025	27,688.00	27,850.00	40 Marcellus
12/5/2025	27,888.00	27,986.00	36 Marcellus

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Stimulations Summary				Mass Prop Tot (lb): 51,254,660.0				Vol Clean Total (bbl): 969,545.00				Frac Grad Avg (psi/ft): 1.19			
Start Date: 1/7/2025				R Treat Avg (bbl/min):				P Treat Avg (psi):				ISIP (psi)			
Stimulation Intervals				Slurry Rate Avg (bbl/min)				P Treat Avg (psi)				P Breakdown (psi)			
Interval Number				Start Date				Slurry Rate Avg (bbl/min)				P Treat Avg (psi)			
1	1/7/2025	1/7/2025	1	80.40	9,868.00	7,124.00	5,585.00	249,000.00	7,383.00						
2	1/7/2025	1/7/2025	2	79.40	10,092.00	6,470.00	5,396.00	499,900.00	10,075.00						
3	1/8/2025	1/8/2025	3	70.70	9,452.00	6,148.00	5,389.00	470,500.00	12,288.00						
4	1/8/2025	1/8/2025	4	79.40	10,330.00	6,751.00	6,063.00	500,720.00	11,498.00						
5	1/9/2025	1/9/2025	5	80.10	10,160.00	6,608.00	5,428.00	500,520.00	10,130.00						
6	1/9/2025	1/9/2025	6	80.40	9,775.00	6,084.00	5,773.00	500,200.00	10,099.00						
7	1/10/2025	1/10/2025	7	79.30	9,961.00	6,757.00	5,487.00	501,300.00	9,561.00						
8	1/10/2025	1/10/2025	8	76.90	9,563.00	7,381.00	5,280.00	499,940.00	9,610.00						
9	1/10/2025	1/10/2025	9	79.40	9,626.00	7,163.00	5,288.00	500,620.00	9,626.00						
10	1/11/2025	1/11/2025	10	79.50	9,910.00	7,169.00	5,416.00	501,220.00	9,543.00						
11	1/11/2025	1/11/2025	11	77.70	9,626.00	7,331.00	5,312.00	499,880.00	9,486.00						
12	1/11/2025	1/11/2025	12	79.50	9,771.00	7,011.00	5,280.00	500,400.00	9,432.00						
13	1/12/2025	1/12/2025	13	79.60	9,589.00	6,641.00	5,364.00	500,280.00	9,450.00						
14	1/12/2025	1/12/2025	14	78.30	9,655.00	7,472.00	5,324.00	500,080.00	9,587.00						
15	1/12/2025	1/12/2025	15	80.10	9,093.00	6,629.00	5,665.00	500,420.00	9,498.00						
16	1/13/2025	1/13/2025	16	78.10	9,326.00	7,095.00	5,813.00	500,680.00	9,406.00						
17	1/13/2025	1/13/2025	17	80.10	9,063.00	6,334.00	5,205.00	500,900.00	9,445.00						
18	1/14/2025	1/14/2025	18	79.80	9,088.00	6,926.00	5,466.00	500,500.00	9,434.00						
19	1/14/2025	1/14/2025	19	78.50	9,167.00	6,999.00	5,185.00	500,400.00	9,431.00						
20	1/14/2025	1/14/2025	20	80.00	9,196.00	6,919.00	5,696.00	500,660.00	9,453.00						
21	1/15/2025	1/15/2025	21	79.90	9,131.00	7,459.00	5,370.00	502,460.00	9,435.00						
22	1/15/2025	1/15/2025	22	79.30	9,556.00	7,421.00	4,942.00	502,020.00	9,420.00						
23	1/15/2025	1/15/2025	23	78.60	9,258.00	6,787.00	5,587.00	500,860.00	9,480.00						
24	1/16/2025	1/16/2025	24	74.80	9,326.00	7,757.00	5,821.00	502,940.00	10,763.00						
25	1/16/2025	1/16/2025	25	79.00	9,245.00	7,168.00	5,288.00	499,340.00	9,543.00						
26	1/17/2025	1/17/2025	26	79.40	9,265.00	6,827.00	5,310.00	500,760.00	9,407.00						
27	1/17/2025	1/17/2025	27	79.50	9,237.00	8,078.00	5,111.00	497,680.00	9,420.00						
28	1/17/2025	1/17/2025	28	77.60	9,181.00	7,518.00	5,165.00	500,620.00	9,392.00						
29	1/17/2025	1/17/2025	29	79.30	9,243.00	6,602.00	5,494.00	500,100.00	9,374.00						

30	1/18/2025	79.10	9,185.00	7,624.00	5,091.00	499,040.00	9,445.00
31	1/18/2025	80.40	8,996.00	6,493.00	5,421.00	500,840.00	9,398.00
32	1/19/2025	80.00	9,020.00	7,281.00	5,567.00	500,040.00	10,790.00
33	1/19/2025	79.30	9,044.00	7,036.00	5,369.00	501,080.00	9,347.00
34	1/19/2025	80.20	8,800.00	7,125.00	5,471.00	500,300.00	9,378.00
35	1/20/2025	79.90	8,808.00	6,822.00	5,877.00	500,680.00	9,293.00
36	1/20/2025	81.20	8,996.00	7,186.00	5,439.00	502,120.00	9,371.00
37	1/20/2025	80.60	9,013.00	7,236.00	5,695.00	502,220.00	9,368.00
38	1/21/2025	79.70	8,881.00	6,643.00	5,481.00	500,520.00	9,417.00
39	1/21/2025	80.20	8,973.00	7,090.00	5,063.00	500,420.00	9,361.00
40	1/22/2025	79.90	8,674.00	7,237.00	4,937.00	500,760.00	10,691.00
41	1/23/2025	81.00	8,642.00	6,321.00	4,987.00	501,280.00	10,034.00
42	1/23/2025	79.50	8,486.00	7,223.00	5,031.00	500,520.00	9,338.00
43	1/24/2025	78.10	8,546.00	6,540.00	5,482.00	500,360.00	9,299.00
44	1/26/2025	80.60	8,547.00	7,527.00	6,060.00	500,800.00	11,164.00
45	1/26/2025	80.50	8,300.00	7,269.00	5,375.00	500,500.00	9,377.00
46	1/26/2025	79.50	8,611.00	7,350.00	4,854.00	500,640.00	9,368.00
47	1/27/2025	79.40	8,210.00	6,757.00	5,850.00	500,320.00	9,340.00
48	1/27/2025	80.80	8,336.00	7,446.00	5,475.00	502,760.00	9,328.00
49	1/27/2025	80.00	8,207.00	7,215.00	5,741.00	500,340.00	9,353.00
50	1/28/2025	78.90	8,175.00	6,112.00	5,650.00	501,260.00	9,313.00
51	1/28/2025	80.30	8,396.00	7,116.00	5,321.00	500,140.00	9,403.00
52	1/28/2025	80.00	8,275.00	8,653.00	5,297.00	500,320.00	9,467.00
53	1/28/2025	78.80	8,394.00	6,808.00	5,412.00	500,580.00	9,250.00
54	1/29/2025	80.70	8,475.00	7,324.00	4,996.00	500,760.00	9,267.00
55	1/29/2025	79.90	8,182.00	6,809.00	5,428.00	501,640.00	9,515.00
56	1/29/2025	78.60	8,196.00	6,594.00	5,475.00	500,800.00	9,411.00
57	1/30/2025	79.70	8,293.00	5,914.00	5,094.00	500,780.00	9,314.00
58	1/30/2025	80.10	8,162.00	7,383.00	5,182.00	500,660.00	9,291.00
59	1/30/2025	79.60	8,012.00	8,419.00	5,294.00	500,460.00	9,360.00
60	1/30/2025	80.10	8,098.00	5,379.00	5,596.00	500,080.00	9,318.00
61	1/31/2025	79.50	8,053.00	7,484.00	4,741.00	500,400.00	9,297.00
62	1/31/2025	80.60	8,019.00	9,546.00	5,359.00	500,260.00	9,245.00
63	1/31/2025	80.50	8,062.00	7,006.00	5,482.00	500,300.00	9,142.00
64	2/1/2025	80.20	8,248.00	6,978.00	5,007.00	501,280.00	9,201.00
65	2/1/2025	80.30	8,273.00	7,154.00	4,695.00	500,100.00	9,210.00
66	2/2/2025	80.70	8,272.00	7,316.00	4,919.00	500,120.00	9,231.00
67	2/2/2025	80.80	8,026.00	7,569.00	4,946.00	500,040.00	9,232.00
68	2/2/2025	81.30	8,070.00	7,406.00	5,232.00	500,380.00	9,215.00
69	2/2/2025	80.40	7,950.00	7,434.00	5,285.00	500,160.00	9,236.00
70	2/3/2025	80.50	7,860.00	7,018.00	5,261.00	501,340.00	9,223.00
71	2/3/2025	80.60	7,712.00	6,678.00	5,178.00	500,600.00	9,213.00
72	2/3/2025	80.60	7,701.00	6,546.00	4,928.00	500,340.00	9,148.00
73	2/4/2025	80.60	7,713.00	7,282.00	5,112.00	501,280.00	9,175.00
74	2/4/2025	81.00	7,677.00	7,277.00	5,765.00	500,660.00	9,195.00
75	2/4/2025	79.90	7,675.00	7,229.00	5,308.00	500,020.00	9,280.00
76	2/5/2025	80.90	7,478.00	6,552.00	5,557.00	500,380.00	9,180.00
77	2/5/2025	79.90	7,491.00	7,103.00	5,552.00	500,540.00	9,218.00
78	2/5/2025	80.80	7,471.00	7,073.00	5,412.00	505,460.00	9,168.00

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79	2/5/2025	80.30	7,441.00	6,990.00	5,220.00	500,540.00	9,260.00
80	2/6/2025	80.70	7,500.00	7,034.00	4,975.00	500,600.00	9,168.00
81	2/6/2025	79.90	7,608.00	6,939.00	5,405.00	500,380.00	9,308.00
82	2/6/2025	80.90	7,360.00	6,928.00	5,350.00	500,420.00	9,096.00
83	2/7/2025	81.90	7,228.00	6,682.00	5,080.00	500,660.00	9,178.00
84	2/7/2025	80.80	7,248.00	6,682.00	5,376.00	500,860.00	9,161.00
85	2/7/2025	80.80	7,318.00	6,910.00	5,244.00	502,500.00	9,071.00
86	2/8/2025	81.30	7,442.00	7,538.00	5,308.00	502,580.00	9,117.00
87	2/8/2025	80.70	7,305.00	6,861.00	5,390.00	500,720.00	9,156.00
88	2/8/2025	80.40	7,328.00	6,621.00	5,865.00	500,920.00	9,129.00
89	2/8/2025	82.30	7,286.00	7,040.00	5,372.00	500,300.00	9,091.00
90	2/9/2025	80.10	7,236.00	7,236.00	5,228.00	502,500.00	9,207.00
91	2/9/2025	79.80	7,479.00	6,207.00	5,057.00	501,740.00	9,203.00
92	2/9/2025	80.40	7,200.00	6,136.00	4,948.00	500,580.00	9,192.00
93	2/9/2025	80.60	7,176.00	7,211.00	5,304.00	502,400.00	9,201.00
94	2/9/2025	80.30	7,611.00	7,244.00	4,999.00	501,540.00	9,114.00
95	2/10/2025	80.00	7,324.00	6,635.00	5,106.00	500,650.00	9,065.00
96	2/10/2025	80.80	7,233.00	6,811.00	4,914.00	500,800.00	9,050.00
97	2/10/2025	80.70	7,054.00	6,920.00	5,404.00	500,760.00	9,061.00
98	2/10/2025	81.10	7,382.00	6,605.00	5,344.00	500,600.00	9,064.00
99	2/11/2025	80.70	7,307.00	6,922.00	5,119.00	500,610.00	9,031.00
100	2/11/2025	80.40	7,122.00	7,287.00	4,926.00	463,100.00	8,724.00
101	2/11/2025	80.60	6,969.00	6,973.00	5,025.00	500,720.00	9,083.00
102	2/11/2025	80.50	6,912.00	6,655.00	5,220.00	500,920.00	8,993.00
103	2/12/2025	80.20	6,966.00	7,474.00	5,174.00	493,680.00	8,975.00

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Date: 7/21/2025
Operators Well Number: LGD 202
API Well No: 47-033 - 06039

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

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Well Operator's Report of
Initial Gas-Oil Ratio

Well Operator Arsenal Resources LLC
Address 6031 Wallace Road Ext. Suite 200
Wexford, PA 15090

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

Geological Target Formation: Marcellus Depth 7499 feet
Perforation Interval 7,488- 27,986 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 4/27/25	Time 5:00 AM	End of Test Date 4/28/25	Time 6:00 AM	Duration of Test 24 Hrs
Tubing Pressure NA	Casing Pressure 1800	Separator Pressure 451	Separator Temperature 65	
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 ☒ Pipe Tap ☐ L-10 ☐		Positive Choke ☐
		Positive flow prover ☒
Orifice diameter	Pipe Diameter (inside)	Nominal Choke Size inches 48/64"
Differential Pressure range	Max. Static pressure range	Prover and Orifice diameter - inches 6.0" run with 3.8" orifice
Differential 84 psi		Static
Gas Gravity (Air = 1.0) Measured Estimated	Flowing Temperature 65	Gas Temperature 96
24 Hour Coefficient	24 Hour coefficient pressure PSIA	

TEST RESULTS

Daily Oil 0	Daily Water 761 BBLs	Daily Gas 20443 MCF	Gas-Oil Ratio NA
-----------------------	--------------------------------	-------------------------------	----------------------------

Arsenal Resources LLC

BY Eric Morris Well Operator
ITS: Geologist & Permitting Specialist

09/19/2025



Fracturing Sand (Silica)	17/25 18/05
Fracturing Sand (Silica)	3/12/25 7/37
Fracturing Sand (Silica)	West Virginia
Fracturing Sand (Silica)	Harrison
Fracturing Sand (Silica)	47-433-46139-40100
Fracturing Sand (Silica)	API Number
Fracturing Sand (Silica)	3/17/1739
Fracturing Sand (Silica)	Well Name
Fracturing Sand (Silica)	Laura Goff Davis 202
Fracturing Sand (Silica)	Field
Fracturing Sand (Silica)	No
Fracturing Sand (Silica)	No
Fracturing Sand (Silica)	40,365,487
Fracturing Sand (Silica)	39,263,511
Fracturing Sand (Silica)	NAD83
Fracturing Sand (Silica)	30.48"
Fracturing Sand (Silica)	44,658,97%
Fracturing Sand (Silica)	Other,
Fracturing Sand (Silica)	Water
Fracturing Sand (Silica)	Wells: 100 TDS
Fracturing Sand (Silica)	Wells: 100 TDS
Fracturing Sand (Silica)	Wells: 100 TDS

Must use Dropdown (DO NOT HAND TYPE)
If Predicted water is selected, leave TDS value Blank
<: = less than
>: = greater than

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Arsenal Resol/Cutler/Basc Fluid		Water	7732-18-5	100.00%	172,678.171	100.00%	Water
Sand (Silica)	US Silica/Ne Propanol		Silica Substrate	14808-60-7	100.00%	51,252,848	12.0002%	Sand (Silica)
Hydrochloric Acid (28%)	ESCI	Acidizing	Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	28.00%	1,101,283	0.01417%	Hydrochloric Acid
Plexib-166	Chemplex	Corrosion Inhibitor/Iron Control	Methanol	67-56-1	95.00%	1,183	0.00013%	Plexib-166
SimStream FR 9750	Chemplex	Corrosion Inhibitor/Iron Control	Propanol	107-19-7	4.00%	56	0.00011%	Plexib-166
SimStream SC-358	Chemstream	Friction Reducer	Disulfates (petroleum), hydro-treated, light	64742-47-8	25.00%	96,194	0.02272%	SimStream FR
Clearal 268	Chemstream	Scale Inhibitor	Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00%	19,118	0.00434%	SimStream FR
	Chemstream	Scale Inhibitor	CHEMSTREAM-Polymer-10001	Proprietary	10.00%	10,100	0.00244%	SimStream SC
	Chemstream	Biocide	Gluaraldehyde	111-30-8	20.00%	93,473	0.02189%	SimStream SC
	Chemstream	Biocide	Diethyl dimethylammonium chloride	7173-51-5	3.00%	28,953	0.00227%	Clearal 268
	Chemstream	Biocide	Quaternary Ammonium Compounds, Benzyl-1,4-bis(4-ethyl-4-oxo-1,3-dioxane-2-yl)-	7173-51-5	3.00%	1,110	0.00014%	Clearal 268

*Total Water Volume sources may include fresh water, predicted water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information

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Claimant Company	Claimant First Name	Claimant Last Name	Claimant Email	Claimant Phone (area-num-nnnn)
ProFrac	Paul	Kuster	paul.kuster@profrac.com	817-490-6803
ProFrac	Paul	Kuster	paul.kuster@profrac.com	817-490-6803
ProFrac	Paul	Kuster	paul.kuster@profrac.com	817-490-6803
ProFrac	Paul	Kuster	paul.kuster@profrac.com	817-490-6803
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ProFrac	Paul	Kuster	paul.kuster@profrac.com	817-490-6803

09/19/2025

LGD WELL PAD WELL NO. 202 ARSENAL RESOURCES

T.H. LATITUDE 39°17'30"
B.H. LATITUDE 39°15'00"

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	367.89'	86.99'	86.78'	N 75°09' E
C2	73.13'	110.70'	100.43'	S 60°53' E
C3	22787.48'	1274.69'	1274.52'	S 20°10' E

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 825' OF THE CENTER OF PROPOSED WELL PAD.
2. WELL SPOT CIRCLE & TOPO MARK SCALE ARE 1"=2000'.
3. AS-DRILLED DATA PROVIDED BY ARSENAL RESOURCES.
4. PLAT UPDATED TO SHOW AS-DRILLED PATH.

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)			
NAD'83 S.P.C.(FT)	N. 279,272.11	E. 1,723,451.04	
NAD'83 GEO.	LAT-(N) 39.263511	LONG-(W) 80.365487	
NAD'83 UTM (M)	N. 4,348,211.19	E. 554,739.41	
LANDING POINT			
NAD'83 S.P.C.(FT)	N. 278,870.9	E. 1,725,047.5	
NAD'83 GEO.	LAT-(N) 39.262452	LONG-(W) 80.359836	
NAD'83 UTM (M)	N. 4,348,097.0	E. 555,227.8	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 259,885.3	E. 1,731,671.5	
NAD'83 GEO.	LAT-(N) 39.209900	LONG-(W) 80.335811	
NAD'83 UTM (M)	N. 4,340,279.5	E. 557,343.3	

LINE	BEARING	DISTANCE
L1	N 50°02' E	90.49'
L2	N 80°00' E	1167.14'
L3	S 17°22' E	324.52'
L4	S 18°32' E	343.64'
L5	N 68°19' W	398.22'
L6	S 68°35' E	444.54'

AS DRILLED COORDINATES FOR WELL NO. 202

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)			
NAD'83 S.P.C.(FT)	N. 279,272.11	E. 1,723,451.04	
NAD'83 GEO.	LAT-(N) 39.263511	LONG-(W) 80.365487	
NAD'83 UTM (M)	N. 4,348,211.19	E. 554,739.41	
LANDING POINT			
NAD'83 S.P.C.(FT)	N. 278,788.2	E. 1,725,098.8	
NAD'83 GEO.	LAT-(N) 39.262171	LONG-(W) 80.359659	
NAD'83 UTM (M)	N. 4,348,066.0	E. 555,243.3	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 259,670.5	E. 1,731,676.7	
NAD'83 GEO.	LAT-(N) 39.209911	LONG-(W) 80.335793	
NAD'83 UTM (M)	N. 4,340,281.2	E. 557,344.8	

LEGEND	
LEASE LINE	---
SURFACE LINE	---
WELL LATERAL	---
500' OFFSET LINE	---
TIE LINE	---
CREEK	---
ROAD	---
COUNTY ROUTE	---
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP--PARCEL	00-00
SURFACE OWNER (SEE TABLE)	---
LEASE # (SEE WW-6A1)	---

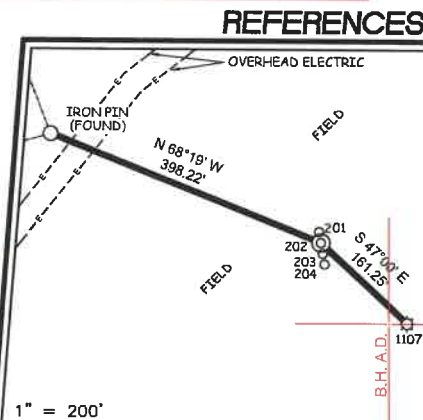


12 Vanborn Drive | P.O. Box 150 | Glenview, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.348.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slls.com

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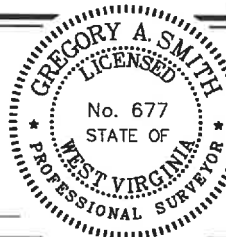
WV Department of
Environmental Protection



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
677

Gregory A. Smith



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

DATE SEPTEMBER 11, 20 24

REVISED JUNE 1, 20 25

OPERATORS WELL NO. 202

API WELL NO. 47-033-06039

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 9423P202AD.dwg

HORIZONTAL & VERTICAL SCALE 1" = 2000'
CONTROL DETERMINED BY: DGPS (SURVEY GRADE TIE TO CORS NETWORK)

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



WELL TYPE: OIL ☐ GAS ☒ LIQUID WASTE IF "GAS" PRODUCTION ☒ STORAGE ☐ DEEP ☐ SHALLOW ☒

LOCATION: ELEVATION 1,007.60' WATERSHED WEST FORK RIVER

DISTRICT CLARK COUNTY HARRISON QUADRANGLE CLARKSBURG

SURFACE OWNER LAURA GOFF DAVIS ACREAGE 161.22±

ROYALTY OWNER LAURA GOFF DAVIS, ET AL ACREAGE 400±

PROPOSED WORK: LEASE NO. SEE WW-6A1

DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒ PLUG OFF OLD

FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG ☐ OTHER ☐

PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS

ESTIMATED DEPTH TMD 28,045.00' / TVD 7,127.58'

WELL OPERATOR ARSENAL RESOURCES

DESIGNATED AGENT ERIC MORRIS

ADDRESS 6031 WALLACE RD. EXT. SUITE 200
WEXFORD, PA 15090

ADDRESS 633 WEST MAIN STREET
BRIDGEPORT, WV 26330

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FORM WW 6 - SHEET 2 OF 5

9,104' T.H. A.D. 697' B.H. A.D.

T.H. LATITUDE 39°17'30"
B.H. LATITUDE 39°15'00"

LGD WELL PAD
WELL NO. 202
ARSENAL RESOURCES

LEGEND
AS DRILLED
PROPOSED

T.H. LONGITUDE 80°05'00"
B.H. LONGITUDE 80°05'00"

14,602' B.H. A.D. 10,225' T.H. A.D.

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12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26331 | 304.462.5634
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254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
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(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)

NAD'83 S.P.C. (F.T)	N. 279,272.11	E. 1,723,451.04
NAD'83 GEO.	LAT-(N) 39.263511	LONG-(W) 80.395467
NAD'83 UTM (M)	N. 4,346,211.19	E. 554,730.41

LANDING POINT

NAD'83 S.P.C. (F.T)	N. 278,870.9	E. 1,725,047.5
NAD'83 GEO.	LAT-(N) 39.262452	LONG-(W) 80.359836
NAD'83 UTM (M)	N. 4,346,067.0	E. 555,227.8

BOTTOM HOLE

NAD'83 S.P.C. (F.T)	N. 259,885.3	E. 1,731,671.5
NAD'83 GEO.	LAT-(N) 39.209800	LONG-(W) 80.335811
NAD'83 UTM (M)	N. 4,340,270.5	E. 557,343.3

SCALE 1" = 2000' FILE NO. 9423P202AD.dwg

DATE SEPTEMBER 11, 2024
REVISED JUNE 1, 2025

OPERATORS WELL NO. 202
API WELL NO. 47-033-06039
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DIVISION OF
ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

DESIGNATED AGENT ERIC MORRIS
ADDRESS 633 WEST MAIN STREET
BRIDGEPORT, WV 26330

COUNTY NAME

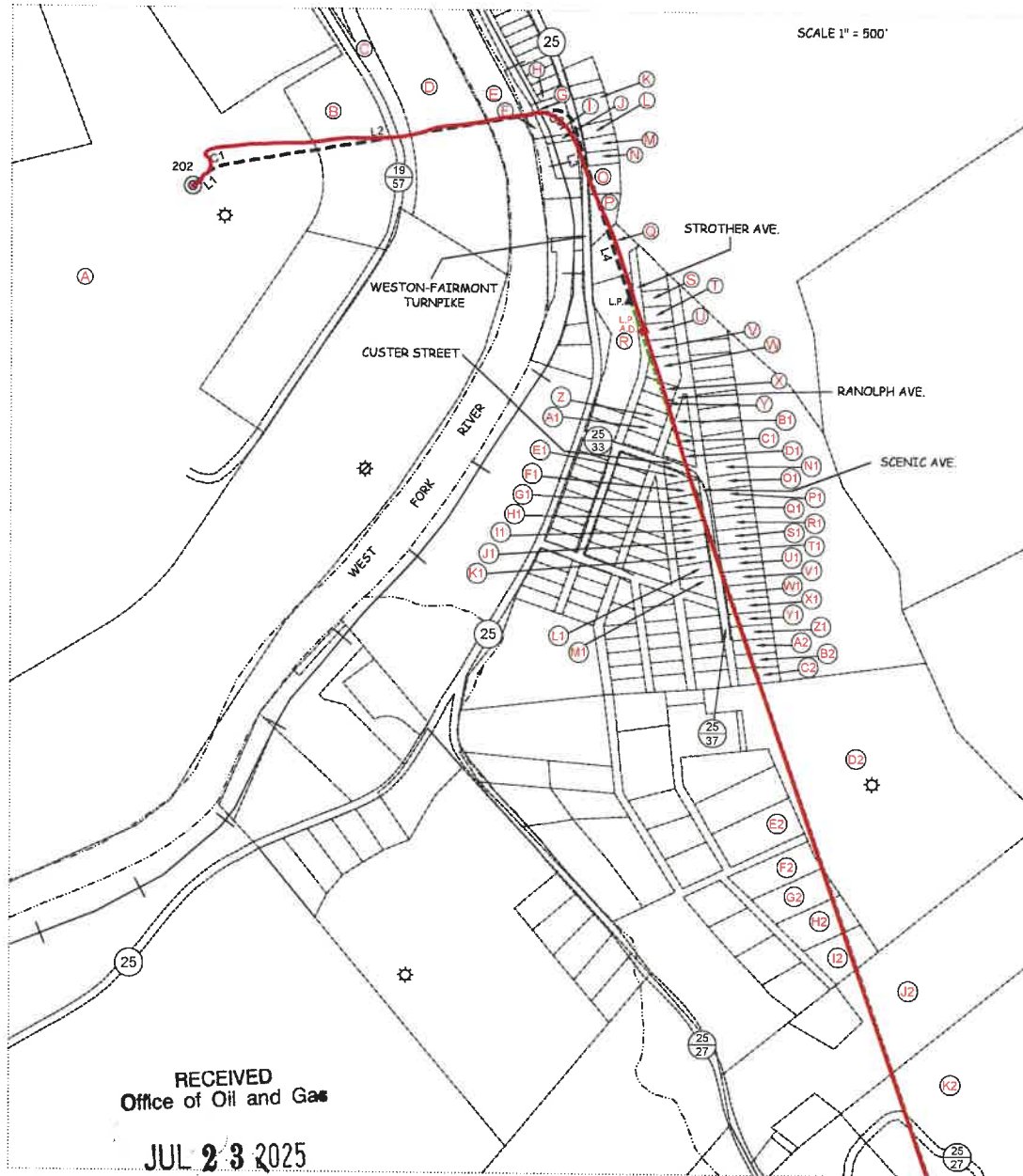
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09/19/2025

**LGD WELL PAD
WELL NO. 202
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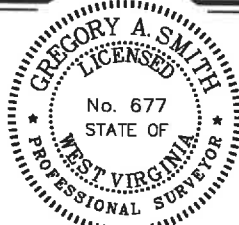


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Environmental Protection

FILE NO. 9423P202AD.dwg
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STATE OF WEST VIRGINIA
DIVISION OF
ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



P.S.
677

Gregory A. Smith

WELL OPERATOR ARSENAL RESOURCES
ADDRESS 6031 WALLACE RD. EXT. SUITE 200
WEXFORD, PA 15090

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slsvv.com

TAG	PARCEL	SURFACE OWNER/ROAD/RIVER	ACREAGE
A	1-326-37	LAURA GOFF DAVIS	161.22
B	1-326-37.3	SHAFFER ENTERPRISES INC	3.82
ROAD	N/A	COUNTY ROUTE 19/57-ARMORY ROAD	N/A
C	1-326-85	GENERAL CORPORATION	1.45
D	1-326-38	GENERAL CORPORATION	8.21
E	N/A	WEST FORK RIVER	N/A
F	1-115-14	MINNIE REED WHALEY	LOT
G	1-326-102	W.V. STATE RAIL AUTHORITY	108.47
H	1-115-26	RICHARD A & EDITH M BENNETT	LOTS 14,15,16
I	1-115-38	BARBARA BLAKE ET AL	LOT
J	1-115-29	BARBARA BLAKE ET AL	LOT
ROAD	N/A	COUNTY ROUTE 25-WESTON FAIRMONT TURNPIKE	N/A
K	1-115-30	RICHARD A & EDITH M BENNETT	LOT 100 X 120
L	1-115-32	BMJ LIVING TRUST	LOT 50 X 100
M	115-33	RICHARD A BENNETT	LOT 50 X 120
N	115-35	RICHARD A BENNETT	LOT 50 X 120
O	1-115-36	RICHARD A & EDITH M BENNETT	LOT
P	1-115-36.1	JUDITH ANN BEVERLIN	LOT (0.69 AC)
Q	1-109-1	JUDITH ANN BEVERLIN	LOTS 1-3
R	1-109-7	TIMOTHY C & MARTHA WAGNER	LOTS 4-12
ROAD	N/A	STROTHER AVE.	N/A
S	1-109-8	ROBIN E MCSHANE ET AL	LOT 49
T	1-109-10	ROBIN E MCSHANE ET AL	LOT 48
U	1-109-12	ROBIN E MCSHANE ET AL	LOT 47
V	1-109-15	ROBIN E MCSHANE ET AL	LOT 46
W	1-109-18	ROBIN E MCSHANE ET AL	LOT 45
X	1-109-21	ROBIN E MCSHANE ET AL	LOT 44
Y	1-109-24	ROBIN E MCSHANE ET AL	LOT 43
ROAD	N/A	RANDOLPH AVE.	N/A
Z	1-109-27	ROBIN E MCSHANE ET AL	LOT 42
A1	1-109-31	SARRA N MARTIN	LOT 41
B1	1-109-28	ROBIN E MCSHANE ET AL	LOT 69
C1	1-109-33	ROBIN E MCSHANE ET AL	LOT 70
D1	1-109-34	ROBIN E MCSHANE ET AL	LOT 71
ROAD	N/A	CUSTER STREET-COUNTY ROUTE 25/37	N/A
E1	1-109-41	ROBIN E MCSHANE ET AL	LOT 72
F1	1-109-45	ROBIN E MCSHANE ET AL	LOT 73
G1	1-109-49	ROBIN E MCSHANE ET AL	LOT 74
H1	1-109-53	ROBIN E MCSHANE ET AL	LOT 75
I1	1-109-58	ROBIN E MCSHANE ET AL	LOT 76
ROAD	N/A	SCENIC AVE. -COUNTY ROUTE 25/37	N/A
J1	1-109-63	ROBIN E MCSHANE ET AL	LOT 77
K1	1-109-68	ROBIN E MCSHANE ET AL	LOT 78
L1	1-109-73	ROBIN E MCSHANE ET AL	LOT 79
M1	1-109-74	DAVID J BARNETT JR	LOT 80
N1	1-109-42	ROBIN E MCSHANE ET AL	LOT 102
O1	1-109-46	ROBIN E MCSHANE ET AL	LOT 101
P1	1-109-50	ROBIN E MCSHANE ET AL	LOT 100
Q1	1-109-54	MICHAEL & LORI LEMASTERS	LOT 99
R1	1-109-59	MICHAEL & LORI LEMASTERS	LOT 98
S1	1-109-64	MICHAEL & LORI LEMASTERS	LOT 97
T1	1-109-69	SANDRA MORRIS ETAL	LOT 96
U1	1-109-75	ROBERT ERIC SUMMERFIELD ET AL	LOT 95
V1	1-109-76	ROBERT ERIC SUMMERFIELD ET AL	LOT 94
W1	1-109-77	LUCINDA MCGINNIS (LE)	LOT 93
X1	1-109-85	LUCINDA MCGINNIS (LE)	LOT 92

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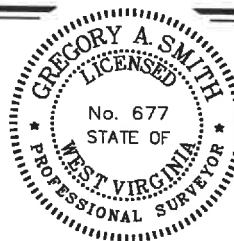
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Y1	1-109-95	LUCINDA MCGINNIS (LE)	LOT 91
Z1	1-109-100	MICHAEL & LORI LEMASTERS	LOT 90
A2	1-109-105	MICHAEL & LORI LEMASTERS	LOT 89
B2	1-109-114	MICHAEL & LORI LEMASTERS	LOT 88
C2	1-109-115	MICHAEL & LORI LEMASTERS	LOT 87
D2	1-326-79.2	ROBERT SCOTT WAGNER ET AL	14.67
E2	1-117-19	SCOTT L & TERESA R BIGELOW ET AL	0.99
ROAD	N/A	POPLAR AVE.	N/A
F2	1-117-24	JAMES & RHONDA LYON ET AL	0.73
G2	1-117-25	SCOTT L HENSLEY	0.74
H2	1-117-26	SCOTT L HENSLEY	0.75
I2	1-117-27	SCOTT L HENSLEY	0.73
J2	1-326-81.1	ROBERT SCOTT WAGNER ET AL	11.75
ROAD	N/A	COUNTY ROUTE 25/27-DOLL RUN ROAD	N/A
K2	1-326-82	DIANA LYNN BARNETT	L2+A17:D73
L2	1-347-1.2	ANGELA R ANDERSON	9.32
M2	1-347-1	LESTER G ANDERSON JR	2.4
N2	1-347-1.1	MICHAEL E & MELISSA L WHITE	11.54
O2	1-347-2	KURT SKASIK	10.75
P2	1-347-4	MARK A SKASIK	62.42
Q2	1-347-3	KURT SKASIK	5.12
ROAD	N/A	COUNTY ROUTE 25/17-RED DOG ROAD	N/A
R2	1-347-29	KURT SKASIK	60.8
S2	12-347-32	WV DNR	245.15
T2	12-347-41.6	TOMMY FORNASH	47.71
U2	12-347-67	HAROLD W & TINA M VANHORN	7.52
ROAD	N/A	STREET IN CLAREDALE SUBDIVISION	N/A
V2	12-347-66	HAROLD W & TINA M VANHORN	3.09
W2	12-347-67.1	HAROLD W & TINA M VANHORN	0.68
ROAD	N/A	COUNTY ROUTE 25/10-MT CLARE & NORWOOD RD.	N/A
X2	12-367-5	JASON CHARLES & MESSENGER	9
Y2	12-367-6	HOWARD LEE SPARKS JR	9
Z2	12-367-7	JOHNNY GENE LEARY JR	12
A3	12-367-36.1	PERRY H ALLEN ETAL	79
B3	12-367-35	DEBRA MCCUTCHEON	9.64
C3	12-367-41	ROBERT H & DONNA J CORK	58.97
ROAD	N/A	COUNTY ROUTE 25/5-FLORENCE HOLLOW RD.	N/A
D3	12-367-43	KENNETH W MONEYPENNY	51.415
E3	12-2013-8	TMP PROPERTIES LLC	0.275
ROAD	N/A	COUNTY ROUTE 25/8-FLORENCE HOLLOW RD.	N/A
F3	12-2013-9	CASANDRA & LEANNE KEENER	2.885
G3	12-2013-14	BARRY SINCLAIR	1.56
ROAD	N/A	COUNTY ROUTE 25/4-CHUBB RUN RD.	N/A
H3	12-2013-15	REBECCA KETELSEN	0.202
I3	12-2013-16	RONALD D LARRY	1.68
J3	12-2013-18.1	MICHAEL D STADIN	0.32
K3	12-2013-19	RONALD D LARRY	0.25
L3	12-2013-20	RONALD D LARRY	0.33
M3	12-2013-21	RONALD D LARRY	15 POLES
N3	12-367-70.1	RUDY D LARRY	9.64
O3	12-367-55	RUDY D LARRY & RONALD D LARRY	36.76
P3	12-387-9	RONALD LARRY	10.5
Q3	12-387-10	RONALD H ROGERS	19.36
R3	12-387-11	RONALD H ROGERS	22.83
S3	12-387-22	RONALD H ROGERS	49.74

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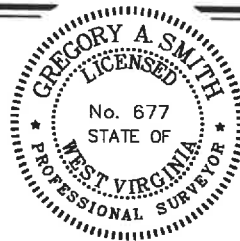
FILE NO. 9423P202AD.dwg

DATE SEPTEMBER 11, 2024

REVISED JUNE 1, 2025

OPERATORS WELL NO. 202

API WELL NO. 47 — 033 — 06039
STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
DIVISION OF
ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



P.S.
677

Gregory A. Smith

WELL OPERATOR ARSENAL RESOURCES
ADDRESS 6031 WALLACE RD. EXT. SUITE 200
WEXFORD, PA 15090

DESIGNATED AGENT ERIC MORRIS
ADDRESS 633 WEST MAIN STREET
BRIDGEPORT, WV 26330

COUNTY NAME

PERMIT

09/19/2025

**LGD WELL PAD
WELL NO. 202
ARSENAL RESOURCES**T.H. LATITUDE 39°17'30"
B.H. LATITUDE 39°15'00"**NOTES ON SURVEY**

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
2. WELL SPOT CIRCLE & TOPO MARK SCALE ARE 1"=2000'.
3. AS-DRILLED DATA PROVIDED BY ARSENAL RESOURCES
4. PLAT UPDATED TO SHOW AS-DRILLED PATH.

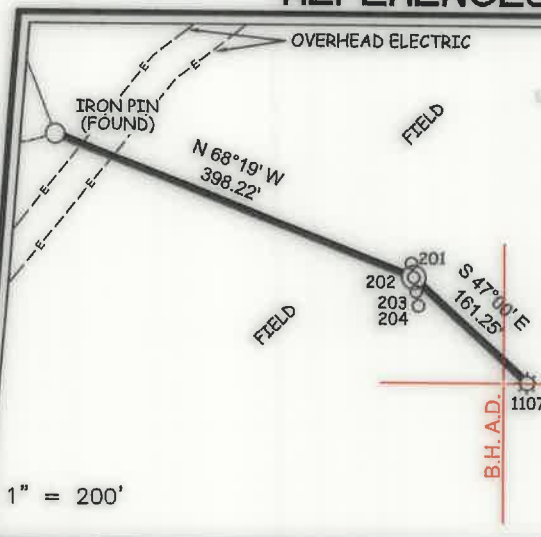
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	367.89'	86.99'	86.78'	N 75°09' E
C2	73.13'	110.70'	100.43'	S 60°53' E
C3	22787.48'	1274.69'	1274.52'	S 20°10' E

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)NAD'83 S.P.C.(FT) N. 279,272.11 E. 1,723,451.04
NAD'83 GEO. LAT-(N) 39.263511 LONG-(W) 80.365487
NAD'83 UTM (M) N. 4,346,211.19 E. 554,739.41**LANDING POINT**NAD'83 S.P.C.(FT) N. 278,870.9 E. 1,725,047.5
NAD'83 GEO. LAT-(N) 39.262452 LONG-(W) 80.359836
NAD'83 UTM (M) N. 4,346,097.0 E. 555,227.8**BOTTOM HOLE**NAD'83 S.P.C.(FT) N. 259,665.3 E. 1,731,671.5
NAD'83 GEO. LAT-(N) 39.209900 LONG-(W) 80.335811
NAD'83 UTM (M) N. 4,340,279.5 E. 557,343.3

LINE	BEARING	DISTANCE
L1	N 50°02' E	90.49'
L2	N 80°00' E	1167.14'
L3	S 17°22' E	324.52'
L4	S 18°32' E	343.64'
L5	N 68°19' W	398.22'
L6	S 68°35' E	444.54'

**AS DRILLED COORDINATES
FOR WELL NO. 202****(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)**NAD'83 S.P.C.(FT) N. 279,272.11 E. 1,723,451.04
NAD'83 GEO. LAT-(N) 39.263511 LONG-(W) 80.365487
NAD'83 UTM (M) N. 4,346,211.19 E. 554,739.41**LANDING POINT**NAD'83 S.P.C.(FT) N. 278,768.2 E. 1,725,096.6
NAD'83 GEO. LAT-(N) 39.262171 LONG-(W) 80.359859
NAD'83 UTM (M) N. 4,346,066.0 E. 555,243.3**BOTTOM HOLE**NAD'83 S.P.C.(FT) N. 259,670.8 E. 1,731,676.7
NAD'83 GEO. LAT-(N) 39.209911 LONG-(W) 80.335793
NAD'83 UTM (M) N. 4,340,281.2 E. 557,344.8**LEGEND**

LEASE LINE
SURFACE LINE
WELL LATERAL
500' OFFSET LINE
TIE LINE
CREEK
ROAD
COUNTY ROUTE
PROPOSED WELL
EXISTING WELL
PERMITTED WELL
TAX MAP-PARCEL
SURFACE OWNER (SEE TABLE)
LEASE # (SEE WW-6A1)

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slswv.com**REFERENCES**

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
677

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

DATE SEPTEMBER 11, 20 24

REVISED JUNE 1, 20 25

OPERATORS WELL NO. 202

API WELL NO. 47 - 033 - 06039
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9423P202AD.dwg

HORIZONTAL & VERTICAL SCALE 1" = 2000'
CONTROL DETERMINED BY: DGPS (SURVEY GRADE TIE TO CORS NETWORK)STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GASWELL TYPE: OIL GAS ☒ LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION ☒ STORAGE DEEP SHALLOW ☒**LOCATION :**

ELEVATION 1,007.60' WATERSHED WEST FORK RIVER

DISTRICT CLARK COUNTY HARRISON QUADRANGLE CLARKSBURG

SURFACE OWNER LAURA GOFF DAVIS

ACREAGE 161.22±

ROYALTY OWNER LAURA GOFF DAVIS, ET AL

ACREAGE 400±

PROPOSED WORK :

LEASE NO. SEE WW-6A1

DRILL ☒ CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE ☒ PLUG OFF OLD

FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS

ESTIMATED DEPTH TMD 28,045.00' / TVD 7,127.58'

WELL OPERATOR ARSENAL RESOURCES

DESIGNATED AGENT ERIC MORRIS

ADDRESS 6031 WALLACE RD. EXT. SUITE 200

ADDRESS 633 WEST MAIN STREET

WEXFORD, PA 15090

BRIDGEPORT, WV 26330

T.H. LONGITUDE 80°20'00"
B.H. LONGITUDE 80°05'00"10,225' T.H. A.D.
14,602' B.H. A.D.

COUNTY NAME

PERMIT

T.H. LATITUDE 39°17'30"
B.H. LATITUDE 39°15'00"

LGD WELL PAD
WELL NO. 202
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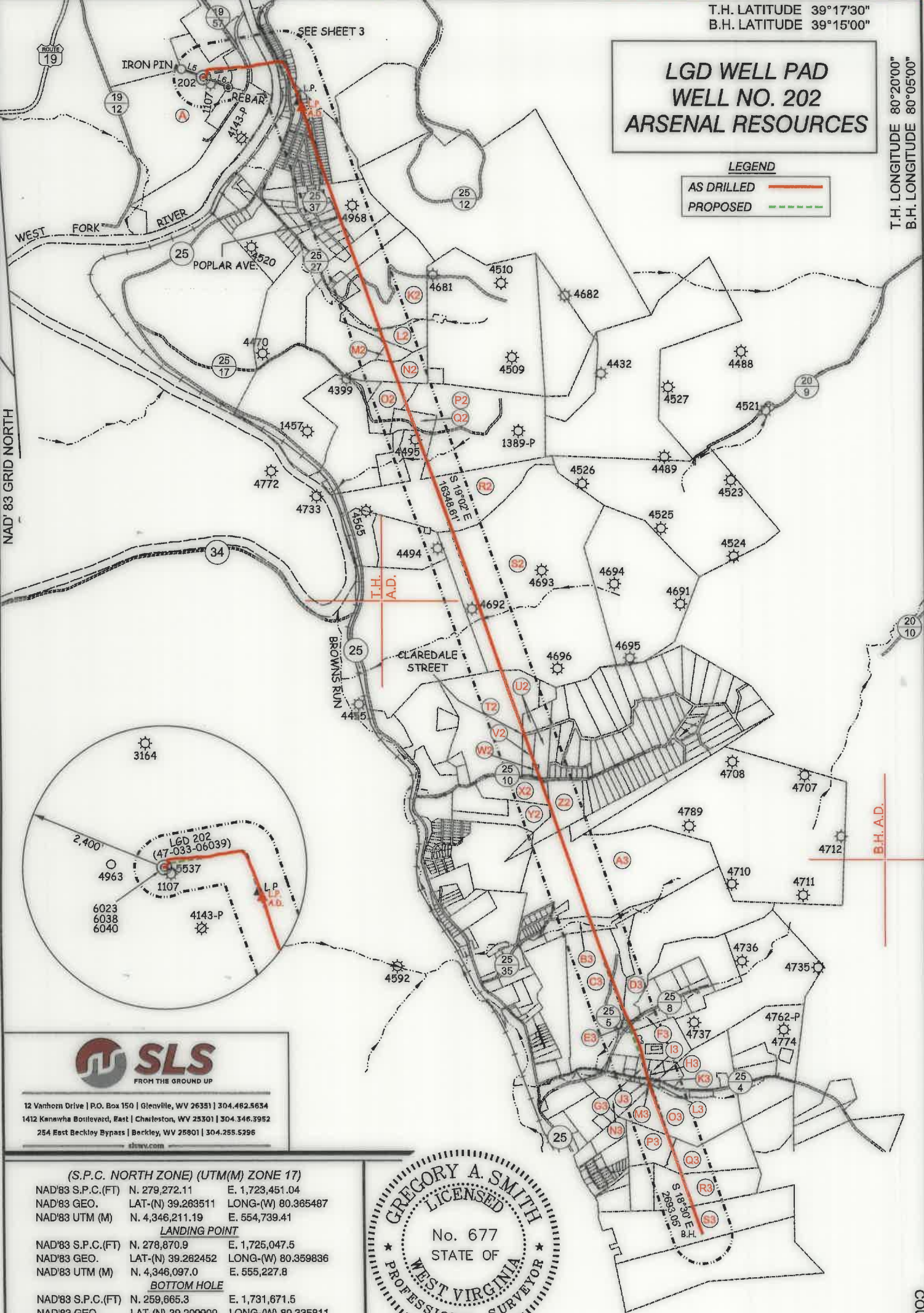
LEGEND

AS DRILLED ———
PROPOSED - - - - -

T.H. LONGITUDE 80°20'00"
B.H. LONGITUDE 80°05'00"

14,602' B.H. A.D. — 10,225' T.H. A.D.

B.H. A.D.



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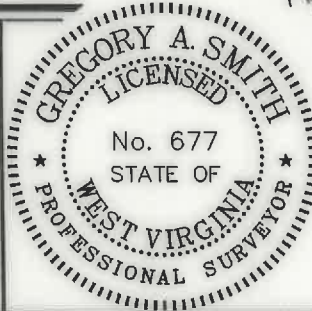
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P.S. 677 Gregory A. Smith
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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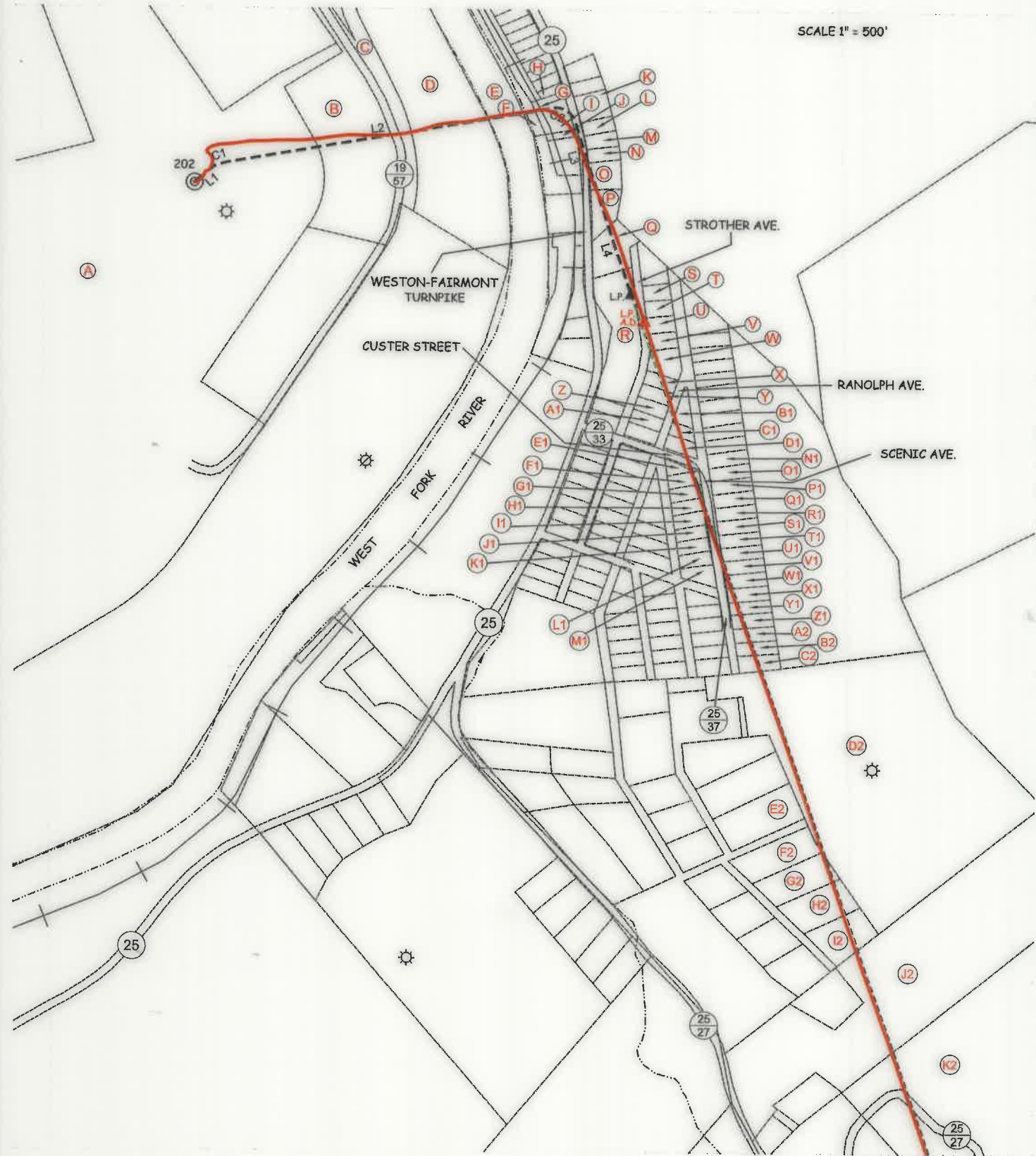
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SCALE 1" = 500'



FILE NO. 9423P202AD.dwg

DATE SEPTEMBER 11, 2024

REVISED JUNE 1, 2025

OPERATORS WELL NO. 202

API WELL NO. 47 — 033 — 06039
STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



P.S. 677

Gregory A. Smith

WELL OPERATOR ARSENAL RESOURCES
ADDRESS 6031 WALLACE RD. EXT. SUITE 200
WEXFORD, PA 15090

DESIGNATED AGENT ERIC MORRIS
ADDRESS 633 WEST MAIN STREET
BRIDGEPORT, WV 26330

COUNTY NAME

PERMIT

LGD WELL PAD
WELL NO. 202
ARSENAL RESOURCES



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
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TAG	PARCEL	SURFACE OWNER/ROAD/RIVER	ACREAGE
A	1-326-37	LAURA GOFF DAVIS	161.22
B	1-326-37.3	SHAFFER ENTERPRISES INC	3.82
ROAD	N/A	COUNTY ROUTE 19/57-ARMORY ROAD	N/A
C	1-326-85	GENERAL CORPORATION	1.45
D	1-326-38	GENERAL CORPORATION	8.21
E	N/A	WEST FORK RIVER	N/A
F	1-115-14	MINNIE REED WHALEY	LOT
G	1-326-102	W.V. STATE RAIL AUTHORITY	108.47
H	1-115-26	RICHARD A & EDITH M BENNETT	LOTS 14,15,16
I	1-115-38	BARBARA BLAKE ET AL	LOT
J	1-115-29	BARBARA BLAKE ET AL	LOT
ROAD	N/A	COUNTY ROUTE 25-WESTON FAIRMONT TURNPIKE	N/A
K	1-115-30	RICHARD A & EDITH M BENNETT	LOT 100 X 120
L	1-115-32	BMJ LIVING TRUST	LOT 50 X 100
M	115-33	RICHARD A BENNETT	LOT 50 X 120
N	115-35	RICHARD A BENNETT	LOT 50 X 120
O	1-115-36	RICHARD A & EDITH M BENNETT	LOT
P	1-115-36.1	JUDITH ANN BEVERLIN	LOT (0.69 AC)
Q	1-109-1	JUDITH ANN BEVERLIN	LOTS 1-3
R	1-109-7	TIMOTHY C & MARTHA WAGNER	LOTS 4-12
ROAD	N/A	STROTHER AVE.	N/A
S	1-109-8	ROBIN E MCSHANE ET AL	LOT 49
T	1-109-10	ROBIN E MCSHANE ET AL	LOT 48
U	1-109-12	ROBIN E MCSHANE ET AL	LOT 47
V	1-109-15	ROBIN E MCSHANE ET AL	LOT 46
W	1-109-18	ROBIN E MCSHANE ET AL	LOT 45
X	1-109-21	ROBIN E MCSHANE ET AL	LOT 44
Y	1-109-24	ROBIN E MCSHANE ET AL	LOT 43
ROAD	N/A	RANDOLPH AVE.	N/A
Z	1-109-27	ROBIN E MCSHANE ET AL	LOT 42
A1	1-109-31	SARRA N MARTIN	LOT 41
B1	1-109-28	ROBIN E MCSHANE ET AL	LOT 69
C1	1-109-33	ROBIN E MCSHANE ET AL	LOT 70
D1	1-109-34	ROBIN E MCSHANE ET AL	LOT 71
ROAD	N/A	CUSTER STREET-COUNTY ROUTE 25/37	N/A
E1	1-109-41	ROBIN E MCSHANE ET AL	LOT 72
F1	1-109-45	ROBIN E MCSHANE ET AL	LOT 73
G1	1-109-49	ROBIN E MCSHANE ET AL	LOT 74
H1	1-109-53	ROBIN E MCSHANE ET AL	LOT 75
I1	1-109-58	ROBIN E MCSHANE ET AL	LOT 76
ROAD	N/A	SCENIC AVE. -COUNTY ROUTE 25/37	N/A
J1	1-109-63	ROBIN E MCSHANE ET AL	LOT 77
K1	1-109-68	ROBIN E MCSHANE ET AL	LOT 78
L1	1-109-73	ROBIN E MCSHANE ET AL	LOT 79
M1	1-109-74	DAVID J BARNETT JR	LOT 80
N1	1-109-42	ROBIN E MCSHANE ET AL	LOT 102
O1	1-109-46	ROBIN E MCSHANE ET AL	LOT 101
P1	1-109-50	ROBIN E MCSHANE ET AL	LOT 100
Q1	1-109-54	MICHAEL & LORI LEMASTERS	LOT 99
R1	1-109-59	MICHAEL & LORI LEMASTERS	LOT 98
S1	1-109-64	MICHAEL & LORI LEMASTERS	LOT 97
T1	1-109-69	SANDRA MORRIS ETAL	LOT 96
U1	1-109-75	ROBERT ERIC SUMMERFIELD ET AL	LOT 95
V1	1-109-76	ROBERT ERIC SUMMERFIELD ET AL	LOT 94
W1	1-109-77	LUCINDA MCGINNIS (LE)	LOT 93
X1	1-109-85	LUCINDA MCGINNIS (LE)	LOT 92

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Y1	1-109-95	LUCINDA MCGINNIS (LE)	LOT 91
Z1	1-109-100	MICHAEL & LORI LEMASTERS	LOT 90
A2	1-109-105	MICHAEL & LORI LEMASTERS	LOT 89
B2	1-109-114	MICHAEL & LORI LEMASTERS	LOT 88
C2	1-109-115	MICHAEL & LORI LEMASTERS	LOT 87
D2	1-326-79.2	ROBERT SCOTT WAGNER ET AL	14.67
E2	1-117-19	SCOTT L & TERESA R BIGELOW ET AL	0.99
ROAD	N/A	POPLAR AVE.	N/A
F2	1-117-24	JAMES & RHONDA LYON ET AL	0.73
G2	1-117-25	SCOTT L HENSLEY	0.74
H2	1-117-26	SCOTT L HENSLEY	0.75
I2	1-117-27	SCOTT L HENSLEY	0.73
J2	1-326-81.1	ROBERT SCOTT WAGNER ET AL	11.75
ROAD	N/A	COUNTY ROUTE 25/27-DOLL RUN ROAD	N/A
K2	1-326-82	DIANA LYNN BARNETT	L2+A17:D73
L2	1-347-1.2	ANGELA R ANDERSON	9.32
M2	1-347-1	LESTER G ANDERSON JR	2.4
N2	1-347-1.1	MICHAEL E & MELISSA L WHITE	11.54
O2	1-347-2	KURT SKASIK	10.75
P2	1-347-4	MARK A SKASIK	62.42
Q2	1-347-3	KURT SKASIK	5.12
ROAD	N/A	COUNTY ROUTE 25/17-RED DOG ROAD	N/A
R2	1-347-29	KURT SKASIK	60.8
S2	12-347-32	WV DNR	245.15
T2	12-347-41.6	TOMMY FORNASH	47.71
U2	12-347-67	HAROLD W & TINA M VANHORN	7.52
ROAD	N/A	STREET IN CLAREDALE SUBDIVISION	N/A
V2	12-347-66	HAROLD W & TINA M VANHORN	3.09
W2	12-347-67.1	HAROLD W & TINA M VANHORN	0.68
ROAD	N/A	COUNTY ROUTE 25/10-MT CLARE & NORWOOD RD.	N/A
X2	12-367-5	JASON CHARLES & MESSENGER	9
Y2	12-367-6	HOWARD LEE SPARKS JR	9
Z2	12-367-7	JOHNNY GENE LEARY JR	12
A3	12-367-36.1	PERRY H ALLEN ETAL	79
B3	12-367-35	DEBRA MCCUTCHEON	9.64
C3	12-367-41	ROBERT H & DONNA J CORK	58.97
ROAD	N/A	COUNTY ROUTE 25/5-FLORENCE HOLLOW RD.	N/A
D3	12-367-43	KENNETH W MONEYPENNY	51.415
E3	12-2013-8	TMP PROPERTIES LLC	0.275
ROAD	N/A	COUNTY ROUTE 25/8-FLORENCE HOLLOW RD.	N/A
F3	12-2013-9	CASANDRA & LEANNE KEENER	2.885
G3	12-2013-14	BARRY SINCLAIR	1.56
ROAD	N/A	COUNTY ROUTE 25/4-CHUBB RUN RD.	N/A
H3	12-2013-15	REBECCA KETELSEN	0.202
I3	12-2013-16	RONALD D LARRY	1.68
J3	12-2013-18.1	MICHAEL D STADIN	0.32
K3	12-2013-19	RONALD D LARRY	0.25
L3	12-2013-20	RONALD D LARRY	0.33
M3	12-2013-21	RONALD D LARRY	15 POLES
N3	12-367-70.1	RUDY D LARRY	9.64
O3	12-367-55	RUDY D LARRY & RONALD D LARRY	36.76
P3	12-387-9	RONALD LARRY	10.5
Q3	12-387-10	RONALD H ROGERS	19.36
R3	12-387-11	RONALD H ROGERS	22.83
S3	12-387-22	RONALD H ROGERS	49.74

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