

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

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JUL 23 2025

WV Department of
Environmental Protection

API 47-033-06038 County Harrison District Clark
Quad Clarksburg Pad Name Laura Goff Davis Field/Pool Name _____
Farm name Laura Goff Davis Well Number 203
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 4,346,206.69 Easting 554,740.24
Landing Point of Curve Northing 4,346,316.3 Easting 555,534.9
Bottom Hole Northing 4,340,564.5 Easting 557,621.9

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 9/16/2024 Date drilling ceased 10/10/2024
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: _____

JP 8-13-2025

09/19/2025

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WR-35
Rev. 8/23/13

WV Department of
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API 47-033 - 06038

Farm name Laura Goff Davis

Well number 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"	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"	2,618' GL	New	40.0	NA	Y
Intermediate 2	NA	NA	NA	NA	NA	NA	NA
Intermediate 3	NA	NA	NA	NA	NA	NA	NA
Production	8 1/2"	5 1/2"	25,158 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, 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	865/3595	14/14.5	1.41/1.24	1219.6/4457.8	1,940'	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

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[illegible]

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[illegible]

09/19/2025

API 47- 033 - 06038

Farm name Laura Goff Davis

Well number 203

PRODUCING FORMATION(S)

DEPTHS

Marcellus Shale 7085-7134 TVD 7796-25094 MD

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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 19342 mcfpd Oil 0 bpd NGL 0 bpd Water 768 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*	0	250	0	250	no water reported
Sand/Silt/Coal*	250	1322	250	1322	Coal @ 300', WVGES
Big Lime*	1322	1503	1322	1503	Limestone
Sand/Silt/Shale*	1503	2540	1503	2540	Sandstone, Siltstone, Shale
4th Sand*	2540	2596	2540	2596	Sandstone
Sand/Silt/Shale*	2596	4319	2596	4319	Sandstone, Siltstone, Shale
Benson*	4319	4389	4319	4389	Siltstone
Sand/Silt/Shale*	4389	6774	4389	7432	Sandstone, Siltstone, Shale
Burkett	6774	6795	7432	7461	Shale
Tully	6795	6854	7461	7547	Limestone
Mahantango	6854	7023	7547	7967	Shale
Marcellus	7023	7080	7967	8486	Shale
Lower Marcellus	7080	7199**	8486	28210	Shale
Onondaga	7199**				**Onondaga not penetrated - est based on 033-05106

Please insert additional pages as applicable.

Drilling Contractor Helmrich & Payne

Address 1437 South Boulder Ave City Tulsa State OK Zip 74119

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 *Emily Helt* Title Geologist & Permitting Specialist Date 7/21/2025

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

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Well Header

Well Name: LGD 203	API/UWI: 47-033-06038	Lease:	Pad Name: LGD	Operator: Arsenal Resources	Well Type:	Well Subtype:
Orig KB Elev (ft): 1,037.00	Water Depth (ft):	Lic Date:	Spud Date: 9/22/2024	RR Date: 10/10/2024		
County: Harrison	District:	Division:	Division Code:			
Datum:	Latitude (*): 39° 15' 48.496" N	Longitude (*): 80° 21' 55.721" W	UTM E (m):	UTM N (m):		
Jobs						
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
1/4/2025	7,796.00	7,796.00	7,958.00	40 Marcellus
1/4/2025	7,996.00	7,996.00	8,158.00	40 Marcellus
1/3/2025	8,196.00	8,196.00	8,358.00	40 Marcellus
1/3/2025	8,396.00	8,396.00	8,558.00	40 Marcellus
1/3/2025	8,596.00	8,596.00	8,758.00	40 Marcellus
1/2/2025	8,796.00	8,796.00	8,958.00	40 Marcellus
1/2/2025	8,996.00	8,996.00	9,158.00	40 Marcellus
1/2/2025	9,196.00	9,196.00	9,358.00	40 Marcellus
1/2/2025	9,396.00	9,396.00	9,558.00	40 Marcellus
1/2/2025	9,596.00	9,596.00	9,758.00	40 Marcellus
1/1/2025	9,796.00	9,796.00	9,958.00	40 Marcellus
1/1/2025	9,996.00	9,996.00	10,158.00	40 Marcellus
1/1/2025	10,196.00	10,196.00	10,358.00	40 Marcellus
1/1/2025	10,396.00	10,396.00	10,556.00	40 Marcellus
1/1/2025	10,596.00	10,596.00	10,758.00	40 Marcellus
12/31/2024	10,796.00	10,796.00	10,958.00	40 Marcellus
12/31/2024	10,996.00	10,996.00	11,158.00	40 Marcellus
12/31/2024	11,196.00	11,196.00	11,357.00	40 Marcellus
12/30/2024	11,396.00	11,396.00	11,558.00	40 Marcellus
12/30/2024	11,596.00	11,596.00	11,758.00	40 Marcellus
12/30/2024	11,796.00	11,796.00	11,958.00	40 Marcellus
12/30/2024	11,996.00	11,996.00	12,156.00	40 Marcellus
12/29/2024	12,196.00	12,196.00	12,358.00	40 Marcellus
12/29/2024	12,396.00	12,396.00	12,557.00	40 Marcellus
12/29/2024	12,596.00	12,596.00	12,758.00	40 Marcellus
12/29/2024	12,796.00	12,796.00	12,958.00	40 Marcellus
12/29/2024	12,996.00	12,996.00	13,158.00	40 Marcellus
12/28/2024	13,196.00	13,196.00	13,356.00	40 Marcellus
12/28/2024	13,396.00	13,396.00	13,558.00	40 Marcellus
12/28/2024	13,596.00	13,596.00	13,757.00	40 Marcellus
12/27/2024	13,796.00	13,796.00	13,958.00	40 Marcellus
12/27/2024	13,996.00	13,996.00	14,158.00	40 Marcellus
12/27/2024	14,196.00	14,196.00	14,358.00	40 Marcellus
12/27/2024	14,396.00	14,396.00	14,556.00	40 Marcellus
12/27/2024	14,596.00	14,596.00	14,758.00	40 Marcellus
12/26/2024	14,796.00	14,796.00	14,958.00	40 Marcellus
12/26/2024	14,996.00	14,996.00	15,158.00	40 Marcellus
12/26/2024	15,196.00	15,196.00	15,358.00	40 Marcellus
12/24/2024	15,396.00	15,396.00	15,558.00	40 Marcellus

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12/24/2024	15,596.00	15,758.00	40 Marcellus
12/23/2024	15,796.00	15,958.00	40 Marcellus
12/23/2024	15,996.00	16,158.00	40 Marcellus
12/23/2024	16,196.00	16,358.00	40 Marcellus
12/23/2024	16,396.00	16,558.00	40 Marcellus
12/22/2024	16,596.00	16,758.00	40 Marcellus
12/22/2024	16,796.00	16,958.00	40 Marcellus
12/22/2024	16,996.00	17,158.00	40 Marcellus
12/22/2024	17,196.00	17,358.00	40 Marcellus
12/21/2024	17,397.00	17,558.00	40 Marcellus
12/21/2024	17,596.00	17,758.00	40 Marcellus
12/21/2024	17,796.00	17,958.00	40 Marcellus
12/21/2024	17,996.00	18,158.00	40 Marcellus
12/21/2024	18,196.00	18,358.00	40 Marcellus
12/20/2024	18,396.00	18,558.00	40 Marcellus
12/20/2024	18,596.00	18,758.00	40 Marcellus
12/20/2024	18,796.00	18,958.00	40 Marcellus
12/19/2024	18,996.00	19,158.00	40 Marcellus
12/19/2024	19,196.00	19,358.00	40 Marcellus
12/19/2024	19,396.00	19,558.00	40 Marcellus
12/19/2024	19,596.00	19,758.00	40 Marcellus
12/18/2024	19,796.00	19,958.00	40 Marcellus
12/18/2024	19,996.00	20,158.00	40 Marcellus
12/18/2024	20,197.00	20,358.00	40 Marcellus
12/18/2024	20,396.00	20,558.00	40 Marcellus
12/17/2024	20,597.00	20,758.00	40 Marcellus
12/17/2024	20,796.00	20,958.00	40 Marcellus
12/17/2024	20,998.00	21,158.00	40 Marcellus
12/17/2024	21,196.00	21,358.00	40 Marcellus
12/16/2024	21,396.00	21,558.00	40 Marcellus
12/16/2024	21,596.00	21,758.00	40 Marcellus
12/16/2024	21,796.00	21,958.00	40 Marcellus
12/16/2024	21,996.00	22,158.00	40 Marcellus
12/15/2024	22,196.00	22,358.00	40 Marcellus
12/15/2024	22,396.00	22,558.00	40 Marcellus
12/15/2024	22,596.00	22,758.00	40 Marcellus
12/15/2024	22,796.00	22,958.00	40 Marcellus
12/14/2024	22,996.00	23,158.00	40 Marcellus
12/14/2024	23,196.00	23,358.00	40 Marcellus
12/13/2024	23,396.00	23,558.00	40 Marcellus
12/13/2024	23,596.00	23,758.00	40 Marcellus
12/13/2024	23,797.00	23,958.00	40 Marcellus
12/13/2024	23,996.00	24,158.00	40 Marcellus
12/12/2024	24,198.00	24,358.00	40 Marcellus
12/12/2024	24,396.00	24,558.00	40 Marcellus
12/12/2024	24,599.00	24,758.00	40 Marcellus
12/11/2024	24,796.00	24,958.00	40 Marcellus
12/5/2024	24,996.00	25,094.00	30 Marcellus

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Stimulations Summary
Start Date: 12/10/2024
Stimulation Intervals
Interval Number

R Treat Avg (bbl/min):		P Treat Avg (psi):		Mass Prop Tot (lb): 43,292,170.0		Vol Clean Total (bbl): 820,917.00		Frac Grad Avg (psi/ft): 1.18	
Start Date	Slurry Rate Avg (bbl/min)	P Treat Avg (psi)	P Breakdown (psi)	ISIP (psi)	Proppant Total OR (lb)	Voi Clean Total (bbl)			
	12/10/2024	84.80	10,848.00	7,000.00	5,240.00	250,440.00	7,491.00		
	12/12/2024	88.80	9,019.00	6,888.00	4,810.00	500,640.00	9,962.00		
	12/12/2024	88.40	9,861.00	6,860.00	4,902.00	499,760.00	10,020.00		
	12/12/2024	83.80	9,658.00	6,556.00	4,704.00	500,760.00	9,946.00		
	12/12/2024	88.20	10,187.00	6,803.00	4,882.00	500,200.00	9,919.00		
	12/13/2024	84.80	10,068.00	7,961.00	5,567.00	500,010.00	11,651.00		
	12/13/2024	80.10	9,556.00	7,232.00	5,640.00	502,500.00	9,555.00		
	12/13/2024	94.30	10,102.00	4,864.00	5,686.00	500,360.00	9,650.00		
	12/14/2024	90.60	10,452.00	7,065.00	4,652.00	500,580.00	11,176.00		
	12/14/2024	82.50	9,413.00	6,955.00	5,513.00	500,150.00	9,533.00		
	12/14/2024	85.20	10,328.00	7,176.00	5,289.00	500,520.00	10,784.00		
	12/15/2024	84.80	9,717.00	6,948.00	5,780.00	501,140.00	9,533.00		
	12/15/2024	90.60	10,199.00	6,263.00	5,271.00	466,900.00	9,972.00		
	12/15/2024	86.70	9,863.00	6,348.00	5,638.00	500,240.00	9,528.00		
	12/15/2024	89.60	9,836.00	6,887.00	5,107.00	500,420.00	9,437.00		
	12/16/2024	89.30	10,015.00	6,397.00	5,740.00	503,880.00	11,038.00		
	12/16/2024	89.40	9,758.00	6,631.00	5,750.00	501,280.00	9,247.00		
	12/16/2024	83.00	9,702.00	6,323.00	4,859.00	500,180.00	9,416.00		
	12/16/2024	78.90	9,244.00	7,379.00	5,024.00	499,940.00	9,307.00		
	12/17/2024	90.00	9,804.00	6,657.00	5,320.00	501,660.00	9,380.00		
	12/17/2024	89.80	10,160.00	6,221.00	5,869.00	503,860.00	9,292.00		
	12/17/2024	83.40	10,017.00	6,127.00	5,072.00	500,380.00	9,334.00		
	12/17/2024	83.10	9,946.00	7,057.00	5,138.00	500,540.00	9,341.00		
	12/18/2024	89.60	10,137.00	6,507.00	5,338.00	501,760.00	9,373.00		
	12/18/2024	90.00	9,581.00	6,506.00	5,028.00	500,940.00	9,353.00		
	12/18/2024	82.80	9,417.00	6,944.00	5,151.00	500,200.00	9,344.00		
	12/19/2024	84.80	9,653.00	7,047.00	5,026.00	500,360.00	9,336.00		
	12/19/2024	89.20	9,907.00	6,361.00	5,145.00	501,760.00	9,334.00		
	12/19/2024	89.90	9,757.00	6,648.00	4,864.00	500,800.00	9,760.00		
	12/19/2024	87.10	9,385.00	6,923.00	5,495.00	500,640.00	9,342.00		
	12/20/2024	85.90	9,488.00	6,704.00	4,944.00	500,500.00	9,390.00		
	12/20/2024	79.80	8,847.00	6,420.00	5,063.00	500,540.00	9,258.00		
	12/20/2024	88.70	9,618.00	6,719.00	5,152.00	500,230.00	9,369.00		
	12/20/2024	86.00	9,662.00	5,670.00	5,240.00	500,560.00	9,346.00		
	12/21/2024	85.50	9,176.00	7,359.00	5,136.00	500,480.00	9,268.00		
	12/21/2024	88.90	9,402.00	6,590.00	5,178.00	501,280.00	9,277.00		
	12/21/2024	89.70	9,561.00	6,621.00	5,615.00	500,540.00	9,238.00		
	12/21/2024	86.50	10,043.00	7,161.00	5,314.00	500,340.00	9,410.00		
	12/22/2024	84.90	9,372.00	6,529.00	5,305.00	500,080.00	9,285.00		
	12/22/2024	88.80	9,367.00	6,905.00	5,113.00	501,400.00	9,219.00		
	12/22/2024	89.50	9,334.00	6,485.00	5,175.00	502,020.00	9,248.00		
	12/22/2024	85.30	9,426.00	6,540.00	5,541.00	500,420.00	9,305.00		
	12/23/2024	86.60	9,565.00	6,503.00	5,135.00	500,280.00	9,298.00		
	12/23/2024	90.10	9,213.00	6,698.00	4,959.00	501,040.00	9,296.00		
	12/23/2024	89.70	9,332.00	6,479.00	5,276.00	500,360.00	9,269.00		

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46	12/23/2024	86.80	9,156.00	6,658.00	5,291.00	500,400.00	9,261.00
47	12/24/2024	87.39	9,350.00	7,838.00	5,057.00	500,600.00	9,254.00
48	12/24/2024	89.90	9,176.00	6,487.00	5,330.00	500,640.00	9,866.00
49	12/24/2024	92.30	9,159.00	7,026.00	5,289.00	501,020.00	9,298.00
50	12/26/2024	89.70	9,104.00	6,611.00	6,001.00	500,820.00	9,264.00
51	12/26/2024	89.50	8,843.00	6,836.00	5,866.00	501,440.00	9,263.00
52	12/26/2024	89.20	9,083.00	7,155.00	5,740.00	501,420.00	9,235.00
53	12/27/2024	90.60	8,911.00	6,140.00	5,669.00	502,240.00	9,190.00
54	12/27/2024	89.90	8,840.00	6,970.00	5,777.00	500,460.00	9,193.00
55	12/27/2024	89.50	8,650.00	6,364.00	5,158.00	501,080.00	9,210.00
56	12/27/2024	89.50	8,526.00	6,969.00	6,069.00	500,560.00	9,239.00
57	12/28/2024	90.80	8,893.00	7,084.00	5,880.00	501,400.00	9,122.00
58	12/28/2024	89.60	8,959.00	6,728.00	5,388.00	498,320.00	9,290.00
59	12/28/2024	88.80	8,811.00	6,627.00	5,272.00	500,400.00	9,344.00
60	12/28/2024	89.60	8,975.00	6,542.00	5,940.00	500,440.00	9,144.00
61	12/29/2024	89.50	8,615.00	7,182.00	5,176.00	500,240.00	9,087.00
62	12/29/2024	89.30	9,104.00	6,746.00	5,466.00	500,440.00	9,418.00
63	12/29/2024	89.50	8,897.00	6,144.00	6,001.00	500,980.00	9,237.00
64	12/29/2024	89.50	8,667.00	7,418.00	5,535.00	500,340.00	9,083.00
65	12/30/2024	90.10	8,588.00	6,661.00	5,150.00	500,700.00	9,776.00
66	12/30/2024	89.80	8,923.00	6,595.00	5,116.00	501,400.00	9,257.00
67	12/30/2024	89.50	8,707.00	6,772.00	5,372.00	500,240.00	10,512.00
68	12/30/2024	89.90	8,628.00	6,960.00	6,195.00	502,000.00	9,068.00
69	12/31/2024	90.00	8,488.00	7,156.00	5,949.00	500,440.00	9,074.00
70	12/31/2024	89.90	8,546.00	6,511.00	5,537.00	500,500.00	9,172.00
71	12/31/2024	89.20	8,676.00	6,729.00	6,297.00	500,600.00	10,758.00
72	12/31/2024	78.90	8,065.00	7,386.00	5,746.00	500,980.00	9,058.00
73	1/1/2025	81.00	8,266.00	6,957.00	6,012.00	501,500.00	8,958.00
74	1/1/2025	78.60	7,876.00	6,499.00	5,057.00	500,440.00	9,155.00
75	1/1/2025	79.40	8,002.00	6,540.00	5,250.00	500,420.00	9,096.00
76	1/1/2025	80.20	7,894.00	6,669.00	5,039.00	501,160.00	9,022.00
77	1/1/2025	79.90	7,778.00	7,117.00	5,195.00	500,980.00	9,026.00
78	1/2/2025	79.70	7,902.00	6,738.00	5,136.00	500,560.00	8,988.00
79	1/2/2025	78.90	7,823.00	6,339.00	5,094.00	500,500.00	9,081.00
80	1/2/2025	77.70	8,140.00	6,835.00	6,266.00	500,160.00	10,280.00
81	1/2/2025	79.20	7,975.00	6,590.00	4,534.00	503,360.00	9,001.00
82	1/3/2025	80.40	7,500.00	6,213.00	5,257.00	503,460.00	9,022.00
83	1/3/2025	78.10	7,571.00	6,683.00	4,831.00	500,380.00	9,094.00
84	1/3/2025	79.40	7,440.00	6,886.00	4,973.00	503,280.00	9,078.00
85	1/3/2025	79.70	7,858.00	7,354.00	4,796.00	503,000.00	9,008.00
86	1/4/2025	79.80	8,119.00	6,971.00	4,974.00	500,240.00	10,540.00
87	1/4/2025	79.70	7,192.00	6,977.00	4,815.00	500,580.00	9,065.00

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WR-36
Rev. 5/08

Date: 7/21/2025
Operators Well Number: LGD 203
API Well No: 47-033 - 06038

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

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JUL 23 2025

WV Department of
Environmental Protection

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 7967 feet
Perforation Interval 7,796- 25,094 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 1775	Separator Pressure 431	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 ☒ 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 8.0" run with 3.0" orifice
Differential 84 psi		Static
Gas Gravity (Air = 1.0) Measured Estimated	Flowing Temperature 66	Gas Temperature 96
24 Hour Coefficient	24 Hour coefficient pressure PSIA	

TEST RESULTS

Daily Oil 0	Daily Water 768 BBLs	Daily Gas 19,342 MCF	Gas-Oil Ratio NA
-----------------------	--------------------------------	--------------------------------	----------------------------

Arsenal Resources LLC

BY Eric Morris Well Operator
ITS: Geologist & Permitting Specialist

09/19/2025



Frac Focus
Chemical Disclosure Registry

Total Slurry Mass (Lbs)
331,001.648

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

Water
Sand (Silica)
Hydrochloric Acid
Plexhib-166
Plexhib-166
StimSTREAM 1/R
StimSTREAM FR
StimSTREAM SC-
StimSTREAM SC-
Clearal 268
Clearal 268
Clearal 268

** Information is based on the
All component information

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JUL 23 2025
WV Department of
Environmental Protection

Claimant Company	Claimant First Name	Claimant Last Name	Claimant Email	Claimant Phone (nnn-nnn-nnnn)
ProFrac	Paul	Kaster	paul.kaster@profrac.com	817-490-6803
ProFrac	Paul	Kaster	paul.kaster@profrac.com	817-490-6803
ProFrac	Paul	Kaster	paul.kaster@profrac.com	817-490-6803
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LGD WELL PAD WELL NO. 203 ARSENAL RESOURCES

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

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	1330.08'	186.88'	186.72'	N 68°20' E
C2	214.73'	180.35'	175.10'	S 88°20' E
C3	544.76'	255.87'	253.52'	S 51°25' E
C4	1249.43'	448.09'	445.69'	S 28°43' 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 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.

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)			
NAD'83 S.P.C.(FT)	N. 279,257.32	E. 1,723,453.52	
NAD'83 GEO.	LAT-(N) 39.263471	LONG-(W) 80.365478	
NAD'83 UTM (M)	N. 4,346,206.69	E. 554,740.24	
LANDING POINT			
NAD'83 S.P.C.(FT)	N. 279,583.7	E. 1,726,070.5	
NAD'83 GEO.	LAT-(N) 39.264436	LONG-(W) 80.356247	
NAD'83 UTM (M)	N. 4,346,319.4	E. 555,535.9	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 260,641.4	E. 1,732,603.8	
NAD'83 GEO.	LAT-(N) 39.212599	LONG-(W) 80.332553	
NAD'83 UTM (M)	N. 4,340,581.6	E. 557,622.3	

LINE	BEARING	DISTANCE
L1	N 79°55' E	151.98'
L2	N 65°18' E	1878.34'
L3	S 19°02' E	20037.37'
L4	N 66°30' W	406.19'
L5	S 70°16' E	437.02'

AS DRILLED COORDINATES FOR WELL NO. 203

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)			
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NAD'83 UTM (M)	N. 4,346,316.3	E. 555,534.9	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 260,585.5	E. 1,732,601.6	
NAD'83 GEO.	LAT-(N) 39.212448	LONG-(W) 80.332559	
NAD'83 UTM (M)	N. 4,340,564.5	E. 557,621.9	

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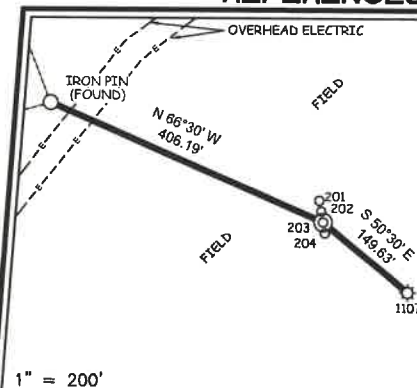
JUL 23 2025

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12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
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slsww.com

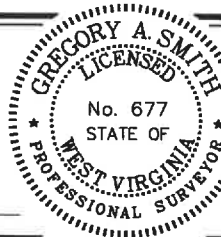
REFERENCES



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

Gregory A. Smith



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

DATE MAY 20, 20 24

REVISED JUNE 1, 20 25

OPERATORS WELL NO. 203

API WELL NO. 47-033-06038
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9423P203AD.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 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 28,210.00' / TVD 7,120.99'

WELL OPERATOR ARSENAL RESOURCES

DESIGNATED AGENT ERIC MORRIS

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

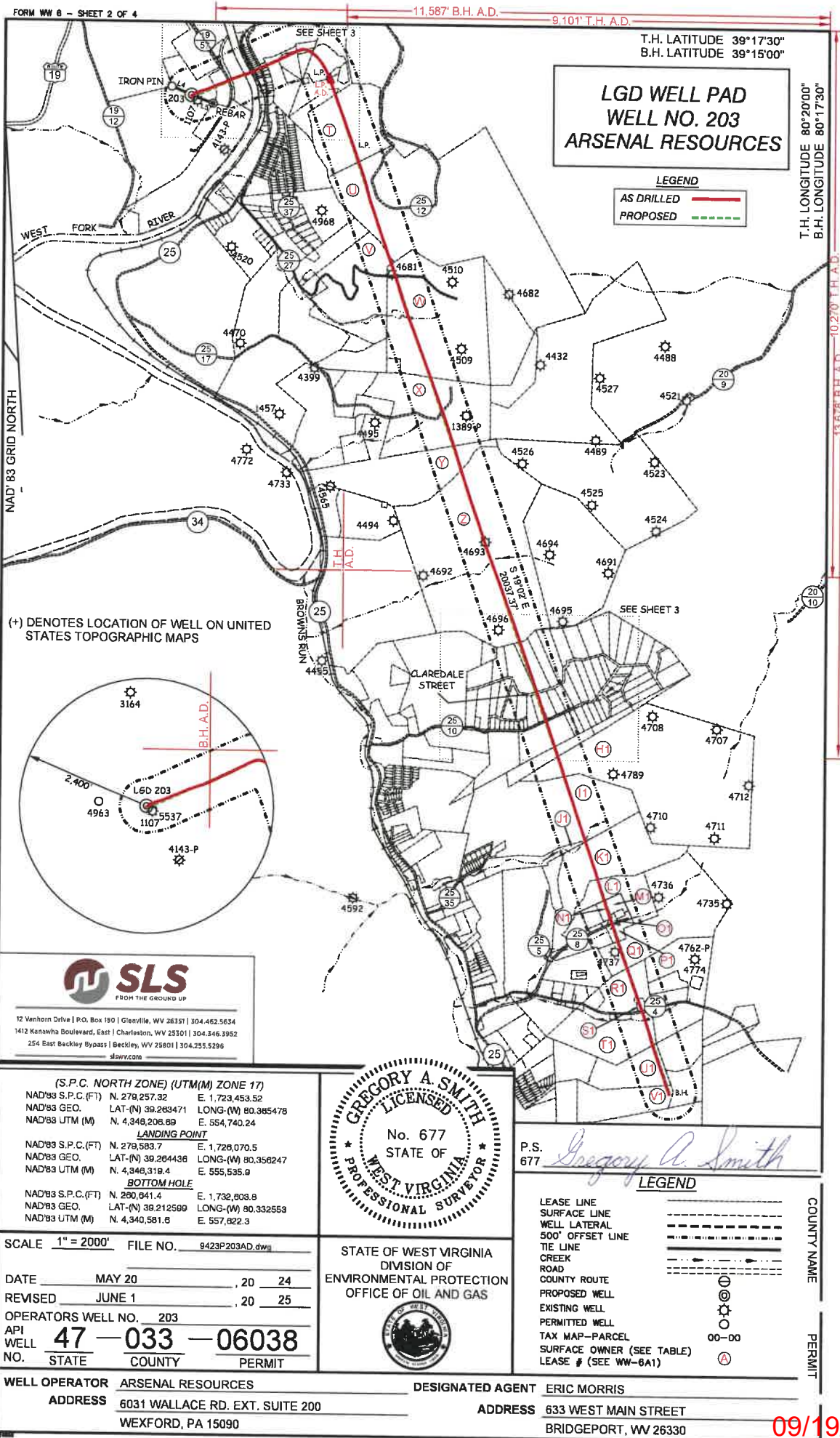
ADDRESS 633 WEST MAIN STREET
BRIDGEPORT, WV 26330

09/19/2025

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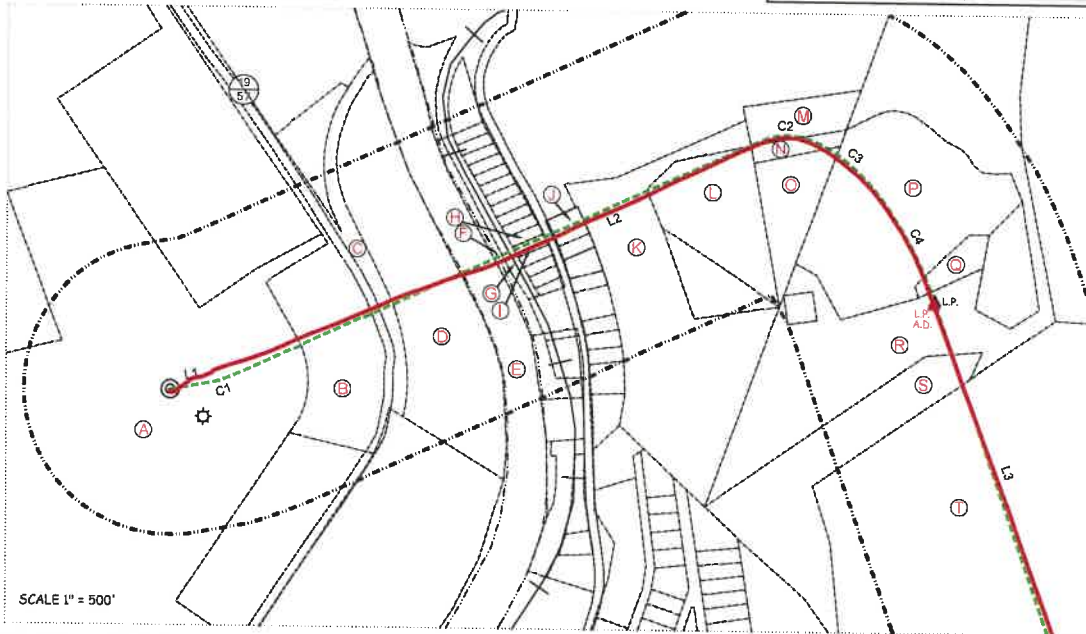


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**LGD WELL PAD
WELL NO. 203
ARSENAL RESOURCES**



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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slnv.com



FILE NO. 9423P203AD.dwg

DATE MAY 20, 2024

REVISED JUNE 1, 2025

OPERATORS WELL NO. 203

API WELL NO. 47 — 033 — 06038
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
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BRIDGEPORT, WV 26330

COUNTY NAME

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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 1
G	1-326-102	W.V. STATE RAIL AUTHORITY	108.47
H	1-115-20	MICHAEL W & PAMELA J HARRIS	LOT 11
I	1-115-22	PAMELA J HARRIS	LOT 12
ROAD	N/A	COUNTY ROUTE 25-WESTON FAIRMONT TURNPIKE	N/A
J	1-115-21	MICHAEL W & PAMELA J HARRIS	LOT 100 X 120
K	1-326-84.2	CHARLES & DEBRA MCCLUNG	9.3
L	1-326-43.3	MICHAEL J & MARTA L HODGE	3.07
M	1-326-43.6	LISA D & JASON B MENENDEZ	1.11
N	1-326-43.5	LISA D MENENDEZ ET AL	0.43
O	1-326-43.2	LISA D MENENDEZ ET AL	1.69
P	1-326-44.5	AMY MACCOLEMAN	7.88
Q	1-326-44.14	JOHNNA LEE POST & T SCOTT AUSTIN	0.547
R	1-326-44	WVTD LLC	11.58
S	1-326-44.7	MARK A & HAZEL L CARDER	5.63
T	1-327-12	GENESIS YOUTH CRISIS INC.	40.4
U	3-326-26	HARRISON COUNTY BOARD OF EDUCATION	185.84
V	1-326-82	DIANA LYNN BARNETT	40
W	1-347-5	MICHAEL E & MELISSA L WHITE	94.4
ROAD	N/A	COUNTY ROUTE 25/27- DOLL RUN ROAD	N/A
X	1-347-4	MARK A SKASIK	62.42
Y	1-347-29	KURT SKASIK	60.8
Z	12-347-32	WV DNR	245.15
A1	12-347-44	MICHAEL W & MARY M BALL	LOT 46
B1	12-347-43	I F MAXWELL	LOT 47
C1	12-347-81	MICHAEL W & MARY M BALL	LOT 66
ROAD	N/A	STREET IN CLAREDALE SUBDIVISION	N/A
D1	12-347-82	MICHAEL W & MARY M BALL	LOT 67
E1	12-347-83	MICHAEL W & MARY M BALL	LOT 68
ROAD	N/A	COUNTY ROUTE 25/10-MT CLARE & NORWOOD RD.	N/A
F1	12-367-8	GEORGE E BENYA	12
G1	12-367-9	MICHAEL W & MARY M BALL	10.46
H1	1-367-37	WV DNR	160
I1	12-367-36.1	PERRY H ALLEN ETAL	79
J1	12-367-35	DEBRA MCCUTCHEON	9.64
K1	12-367-43	KENNETH W MONEYPENNY	51.415
L1	12-367-46	DEBORAH CUNNINGHAM ET AL	17.39
M1	12-2013-4	CHARLES LEE FRYE	2.51
N1	12-2013-3	ROBERT LEE FRYE ET AL	1.48
O1	12-2013-6	PERRY & DONNA JENKINS	LOT P/O 6,7,1,2,
ROAD	N/A	COUNTY ROUTE 25/8-FLORENCE HOLLOW RD.	N/A
P1	12-2013-10.1	DONNA JENKINS ETAL	2.53
Q1	12-367-55.1	MARK S & MARCIE G BRAGG	56.81
R1	12-367-55.2	TIMBER CREST DEVELOPMENT LLC	14.89
S1	12-367-55.4	TIMBER CREST DEVELOPMENT LLC	0.91
ROAD	N/A	COUNTY ROUTE 25/4-CHUBB RUN RD.	N/A
T1	12-367-55	RUDY D LARRY & RONALD D LARRY	36.76
U1	12-387-10	RONALD H ROGERS	19.36
V1	12-387-11	RONALD H ROGERS	22.83

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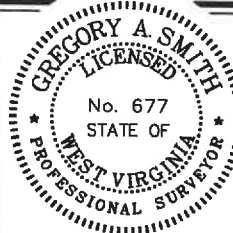
FILE NO. 9423P203AD.dwg

DATE MAY 20 , 20 24

REVISED JUNE 1 , 20 25

OPERATORS WELL NO. 203

API WELL NO. 47 — 033 — 06038
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COUNTY NAME

PERMIT

09/19/2025

LGD WELL PAD
WELL NO. 203
ARSENAL RESOURCES

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

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- 4. PLAT UPDATED TO SHOW AS-DRILLED PATH.

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
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AS DRILLED COORDINATES
FOR WELL NO. 203

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)

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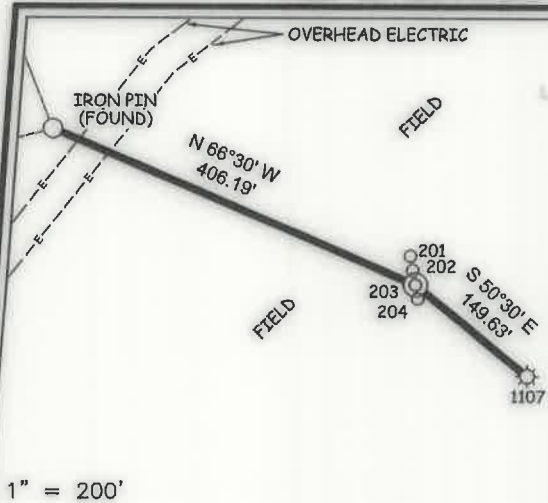
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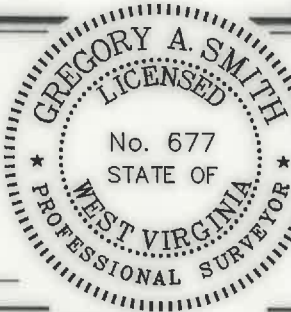


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254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com

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 MAY 20, 20 24

REVISED JUNE 1, 20 25

OPERATORS WELL NO. 203

API WELL NO. 47 - 033 - 06038
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9423P203AD.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 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 28,210.00' / TVD 7,120.99'

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°17'30"

10,270' T.H. A.D.
13,678' B.H. A.D.

COUNTY NAME

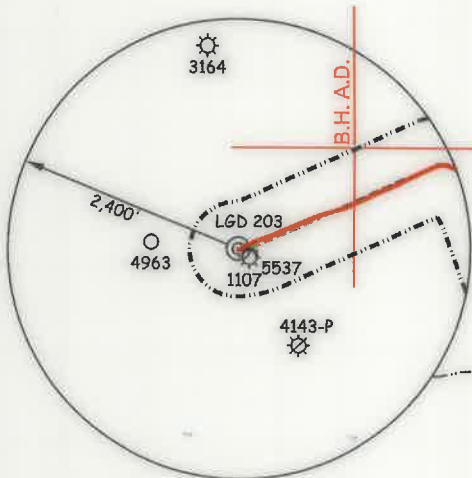
PERMIT

**LGD WELL PAD
WELL NO. 203
ARSENAL RESOURCES**

LEGEND

AS DRILLED ———
PROPOSED - - - - -

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



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 | 304.295.5296

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)

NAD'83 S.P.C.(FT) N. 279,257.32 E. 1,723,453.52
NAD'83 GEO. LAT-(N) 39.263471 LONG-(W) 80.365478
NAD'83 UTM (M) N. 4,346,206.69 E. 554,740.24

LANDING POINT

NAD'83 S.P.C.(FT) N. 279,583.7 E. 1,726,070.5
NAD'83 GEO. LAT-(N) 39.264436 LONG-(W) 80.356247
NAD'83 UTM (M) N. 4,346,319.4 E. 555,535.9

BOTTOM HOLE

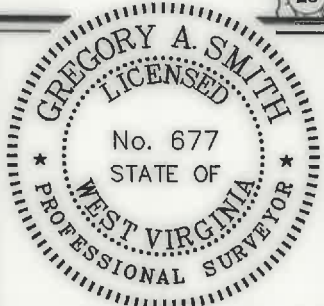
NAD'83 S.P.C.(FT) N. 260,641.4 E. 1,732,603.8
NAD'83 GEO. LAT-(N) 39.212599 LONG-(W) 80.332553
NAD'83 UTM (M) N. 4,340,581.6 E. 557,622.3

SCALE 1" = 2000' FILE NO. 9423P203AD.dwg

DATE MAY 20, 2024
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STATE OF WEST VIRGINIA
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ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



P.S.
677

Gregory A. Smith

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)

09/19/2025

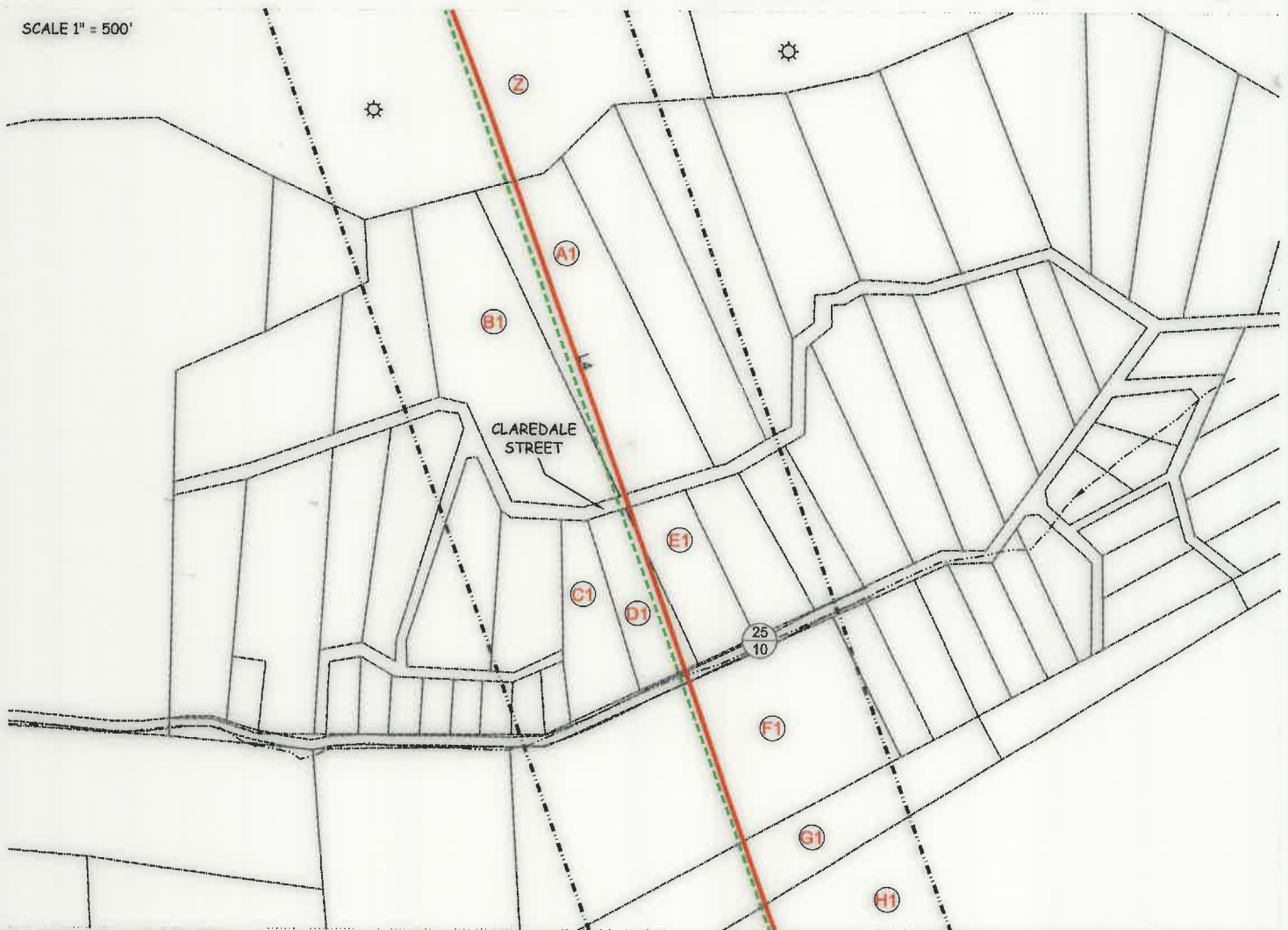
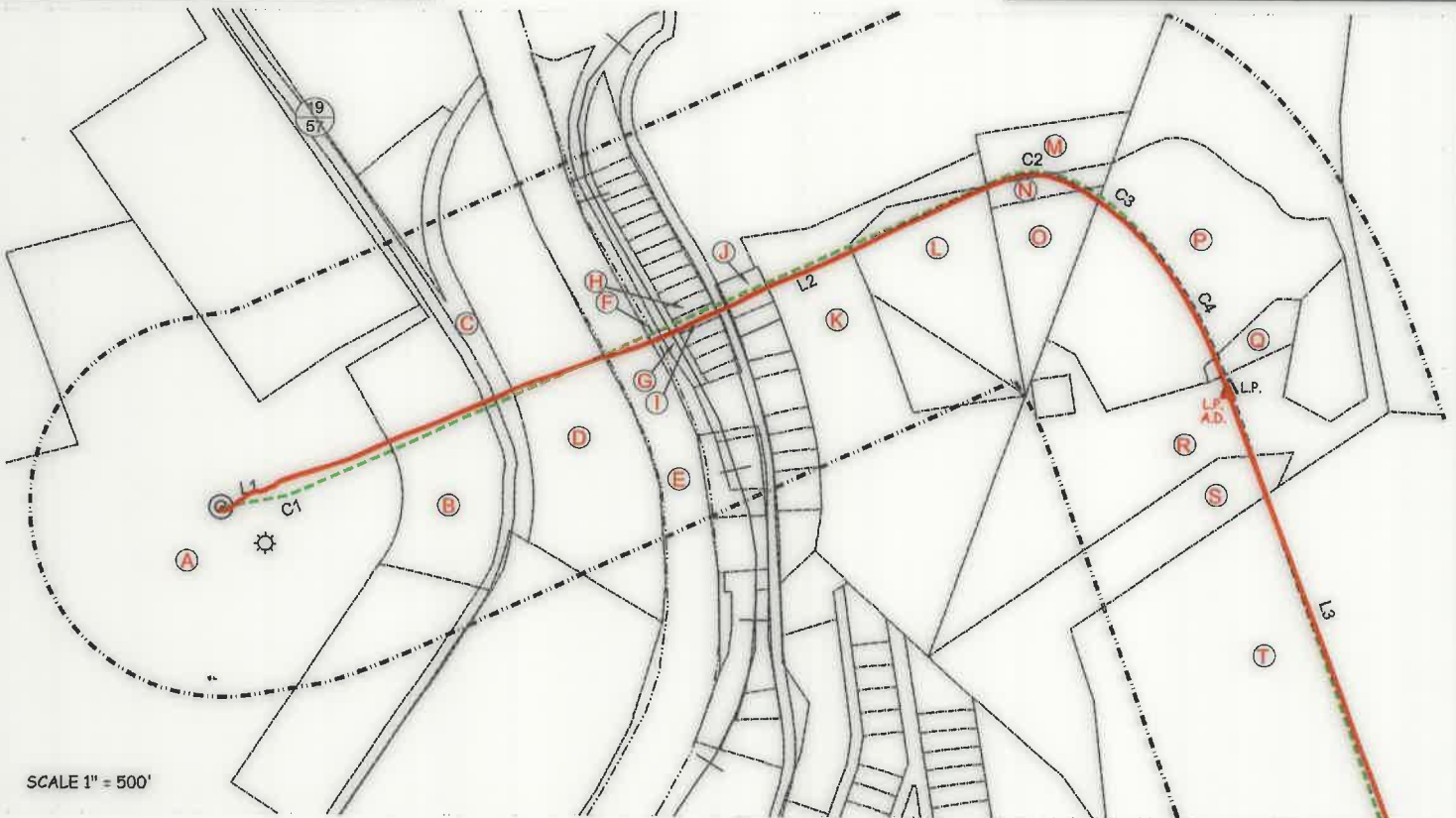
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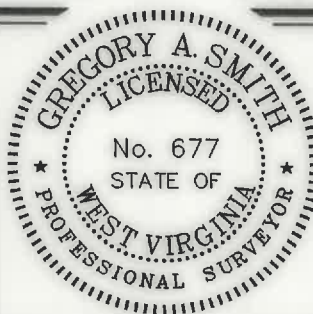
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OFFICE OF OIL AND GAS



P.S. 677

Gregory A. Smith

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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 1
G	1-326-102	W.V. STATE RAIL AUTHORITY	108.47
H	1-115-20	MICHAEL W & PAMELA J HARRIS	LOT 11
I	1-115-22	PAMELA J HARRIS	LOT 12
ROAD	N/A	COUNTY ROUTE 25-WESTON FAIRMONT TURNPIKE	N/A
J	1-115-21	MICHAEL W & PAMELA J HARRIS	LOT 100 X 120
K	1-326-84.2	CHARLES & DEBRA MCCLUNG	9.3
L	1-326-43.3	MICHAEL J & MARTA L HODGE	3.07
M	1-326-43.6	LISA D & JASON B MENENDEZ	1.11
N	1-326-43.5	LISA D MENENDEZ ET AL	0.43
O	1-326-43.2	LISA D MENENDEZ ET AL	1.69
P	1-326-44.5	AMY MACCOLEMAN	7.88
Q	1-326-44.14	JOHNNA LEE POST & T SCOTT AUSTIN	0.547
R	1-326-44	WVTD LLC	11.58
S	1-326-44.7	MARK A & HAZEL L CARDER	5.63
T	1-327-12	GENESIS YOUTH CRISIS INC.	40.4
U	3-326-26	HARRISON COUNTY BOARD OF EDUCATION	185.84
V	1-326-82	DIANA LYNN BARNETT	40
W	1-347-5	MICHAEL E & MELISSA L WHITE	94.4
ROAD	N/A	COUNTY ROUTE 25/27- DOLL RUN ROAD	N/A
X	1-347-4	MARK A SKASIK	62.42
Y	1-347-29	KURT SKASIK	60.8
Z	12-347-32	WV DNR	245.15
A1	12-347-44	MICHAEL W & MARY M BALL	LOT 46
B1	12-347-43	I F MAXWELL	LOT 47
C1	12-347-81	MICHAEL W & MARY M BALL	LOT 66
ROAD	N/A	STREET IN CLAREDALE SUBDIVISION	N/A
D1	12-347-82	MICHAEL W & MARY M BALL	LOT 67
E1	12-347-83	MICHAEL W & MARY M BALL	LOT 68
ROAD	N/A	COUNTY ROUTE 25/10-MT CLARE & NORWOOD RD.	N/A
F1	12-367-8	GEORGE E BENYA	12
G1	12-367-9	MICHAEL W & MARY M BALL	10.46
H1	1-367-37	WV DNR	160
I1	12-367-36.1	PERRY H ALLEN ETAL	79
J1	12-367-35	DEBRA MCCUTCHEON	9.64
K1	12-367-43	KENNETH W MONEYPENNY	51.415
L1	12-367-46	DEBORAH CUNNINGHAM ET AL	17.39
M1	12-2013-4	CHARLES LEE FRYE	2.51
N1	12-2013-3	ROBERT LEE FRYE ET AL	1.48
O1	12-2013-6	PERRY & DONNA JENKINS	LOT P/O 6,7,1,2,
ROAD	N/A	COUNTY ROUTE 25/8-FLORENCE HOLLOW RD.	N/A
P1	12-2013-10.1	DONNA JENKINS ETAL	2.53
Q1	12-367-55.1	MARK S & MARCIE G BRAGG	56.81
R1	12-367-55.2	TIMBER CREST DEVELOPMENT LLC	14.89
S1	12-367-55.4	TIMBER CREST DEVELOPMENT LLC	0.91
ROAD	N/A	COUNTY ROUTE 25/4-CHUBB RUN RD.	N/A
T1	12-367-55	RUDY D LARRY & RONALD D LARRY	36.76
U1	12-387-10	RONALD H ROGERS	19.36
V1	12-387-11	RONALD H ROGERS	22.83

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