



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, October 21, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ARSENAL RESOURCES LLC
6031 WALLACE RD. EXT. SUITE 200

WEXFORD, PA 15090

Re: Permit Modification Approval for GAMELLI 212
47-033-06108-00-00

Lateral Extension W/ Forced Pooling

ARSENAL RESOURCES LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in black ink, reading "H. Jason Harmon".

H. Jason Harmon
Acting Chief

Operator's Well Number: GAMELLI 212
Farm Name: JAMES T. GAMELLI ET AL
U.S. WELL NUMBER: 47-033-06108-00-00
Horizontal 6A New Drill
Date Modification Issued:

Promoting a healthy environment.

10/24/2025

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Arsenal Resources 494519412 Harrison Simpson Rosemont
Operator ID County District Quadrangle
- 2) Operator's Well Number: Gamelli 212 Well Pad Name: Gamelli
- 3) Farm Name/Surface Owner: James T. Gamelli et al Public Road Access: CR 17
- 4) Elevation, current ground: 1140.3 Elevation, proposed post-construction: 1140.3
- 5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow X Deep _____
Horizontal X
- 6) Existing Pad: Yes or No Yes
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale, 7,260' (TVD Top) - 7,360' (TVD Bottom), 100 ft, 0.5 psi/ft
- 8) Proposed Total Vertical Depth: 7,350'
- 9) Formation at Total Vertical Depth: Marcellus Shale
- 10) Proposed Total Measured Depth: 24,500'
- 11) Proposed Horizontal Leg Length: 16,577'
- 12) Approximate Fresh Water Strata Depths: 96', 246', 366', 671'
- 13) Method to Determine Fresh Water Depths: Offsetting wells water depths (033-02428, 033-02986)
- 14) Approximate Saltwater Depths: 1400'
- 15) Approximate Coal Seam Depths: Elk Lick- 99', Harlen- 175', Bakerstown- 253', Brush Creek- 355', U Freeport- 422', L Freeport- 475', U Kittanning- 538', M Kittanning- 617', L Kittanning- 641', Clarion- 662'
- 16) Approximate Depth to Possible Void (coal mine, karst, other): None expected
- 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X
- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____
- CK# 204821
7500
9/25/2025

Jeff A Propst 8-28-2025

WW-6B
(04/15)

4703306108
API NO. 47- 033
OPERATOR WELL NO. Gamelli 212
Well Pad Name: Gamelli

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24	New	H-40	94	40	40	CTS
Fresh Water	13.375	New	J-55	54.5	750	750 ✓	CTS
Coal							
Intermediate	9.625	New	J-55	40	2,450	2,450 ✓	CTS ✓
Production	5.5	New	P-110	23	24,500	24,500 ✓	TOC @ 2,300
Tubing							
Liners							

Jeff A Propat

8-28-2025 ✓

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24	36			0	Class A/L, 3% CaCl ₂ ✓	1.2
Fresh Water	13.375	17.5	0.38	2,730	900	Class A/L, 3% CaCl ₂	1.2
Coal							
Intermediate	9.625	12.25	0.395	3,950	1,500	Class A/L, 3% CaCl ₂	1.29
Production	5.5	8.5-8.75	0.415	14,520	✓ 9,500	Class A/L, 3% CaCl ₂	1.29/1.34
Tubing					5,000		
Liners							

RECEIVED
Office of Oil and Gas

SEP 29 2025

WV Department of
Environmental Protection

PACKERS

Kind:				
Sizes:				
Depths Set:				

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

The well will be started with a conductor rig drilling a 36" hole to Conductor programmed depth then running 24" casing and circulate cement back to surface. The conductor rig will move out and the drilling rig will move in and rig up. The drilling rig will then spud a 17 1/2" hole and drill to fresh water casing (Surface) to the programmed depth, Run 13- 3/8" casing and cement to surface. The rig will continue drilling a 12- 1/4" intermediate hole to the programmed depth, run 9- 5/8" casing and cement to surface. The rig will then continue to drill an 8- 3/4" hole to a designed KOP. We will then start drilling the curve and lateral section to the programmed total measured depth, run 5 1/2" casing and cement according to the program.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

The well will be completed using a plug and perforation method and stimulated with a slickwater and sand slurry. The anticipated maximum rate will be 90 bpm and the maximum pressure will be 11,500 psi.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 19.4

22) Area to be disturbed for well pad only, less access road (acres): 7.3

23) Describe centralizer placement for each casing string:

24" - No centralizers 13 3/8" - one bow spring centralizer on every other joint 9 5/8" - one bow spring centralizer every third joint from TD to surface 5 1/2" - 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 2,600'; there will be no centralizers from 2,600' to surface.

24) Describe all cement additives associated with each cement type:

26" will be circulated to surface. The 13 3/8" casing will be cemented to surface with Class A/L cement and no greater than 3% CaCl₂ (calcium chloride). The 9 5/8" casing will be cemented to surface with Class A/L cement, & no greater than 3% calcium chloride. The 5 1/2" production string will be cemented back to 2,300' (+/- 150' above the casing shoe for the 9 5/8") with Class A/L Poz cement retarded (to extend pumpability) cellophane flaked for fluid loss, Bentonite gel as an extender (increased pumpability and fluid loss), a defoaming agent to decrease cement foaming during mixing to insure the cement is of proper weight to placement and possibly gypsum gas blocking additive to aid in blocking/gas migration (in combination with other additive mentioned here, helps cement achieve a "right angle" set) during the plastic phase of the cement set-up.

25) Proposed borehole conditioning procedures:

Top holes will be drilled with fresh water KOP. At KOP, the wellbore will be loaded with synthetic oil based mud, barite-weighted mud system with such properties as to build a filter-cake on the face of the bore-hole. This will provide lubricity as well as stabilizing the well bore. We will begin rotating the drill string and mud will be circulated upon reaching TD until no further cuttings are observed coming across the shaker screens. Once clean mud is circulated back to surface, we will pull three stands of drill pipe, load the hole, pull three stands and load the hole. The weight indicator on the rig will be monitored for any occurrences of drag and if any are noticed, we will re-run the previous stand of pipe pulled across and circulate 2x bottoms up while watching shakers for signs of cuttings. Once at the base curve, the string will be continuously rotated while pumping 2x bottoms up. We will pull three stands and fill the hole until we reach the vertical section of the well.

*Note: Attach additional sheets as needed.

Jeff A Probst 8-28-2025

Area of Review Report - Gamelli Pad, 212 Lateral, Harrison County, WV

Well Name	API Number	Operator Name / Address	Well Type	Latitude	Longitude	Total Depth	Perforated Formation(s)	Producing Zones not Perforated
Gamelli HSOG 201	033-05922	Arsenal Resources, LLC	Existing	39.261342	-80.204316	22,453	Marcellus Shale	NA
Gamelli HSOG 202	033-05932	Arsenal Resources, LLC	Existing	39.261357	-80.204287	22,450	Marcellus Shale	NA
Gamelli HSOG 203	033-05933	Arsenal Resources, LLC	Existing	39.261372	-80.204257	21,995	Marcellus Shale	NA
Gamelli HSOG 204	033-05934	Arsenal Resources, LLC	Existing	39.261387	-80.204228	22,723	Marcellus Shale	NA
H M Vincent 1	033-00130	NA	Plugged	39.263746	-80.204929	2,300	Fifth	NA
Charles G Cleer 3	033-02398	Greylock Conventional, LLC	Existing	39.266939	-80.207915	4,432	Benson	NA
James/Patricia Altman 1	033-03491	NA	Plugged	39.271745	-80.210567	NA	NA	NA
John Burton et al 2	033-03153	Diversified Production, LLC	Existing	39.275806	-80.212246	4,465	Benson	NA
John Burton et al 1	033-03015	Diversified Production, LLC	Existing	39.275661	-80.214298	1,545	Big Injun	NA
The Heritage Inc 1	033-03416	Diversified Production, LLC	Existing	39.288567	-80.220084	4,458	Benson	NA
Karl B Kyle Jr B-633	033-03282	Berry Energy, Inc.	Existing	39.341444	-80.362464	4,980	Benson	Speechley

4703306108

Well Location Plat

Page 4 Cross Section

Seneca Resources Company, LLC
Applicant / Well Operator Name

DEP ID#
72933

Gamelli Pad
Harrison County, WV
GL 1140.3' MD & KB 27' @ 1167.3usft

Well #
Gamelli #212



Operator Name: **Arsenal Resources**

Well/Farm Name: **Gamelli Pad**

DEP
Use
Only

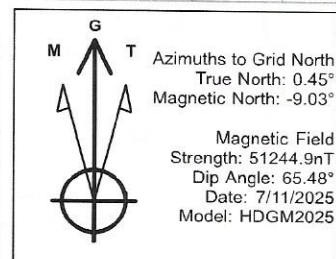
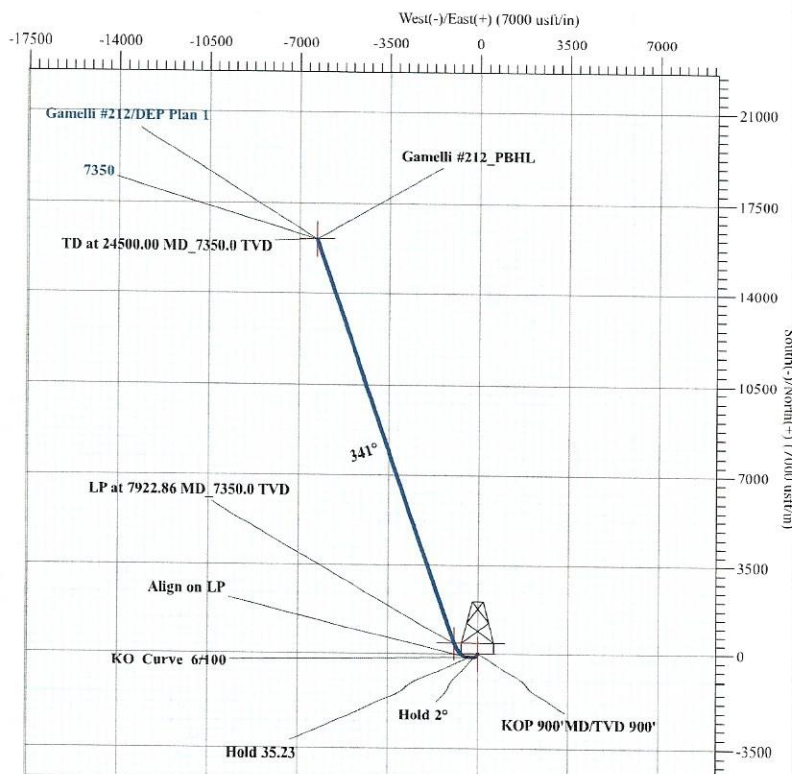
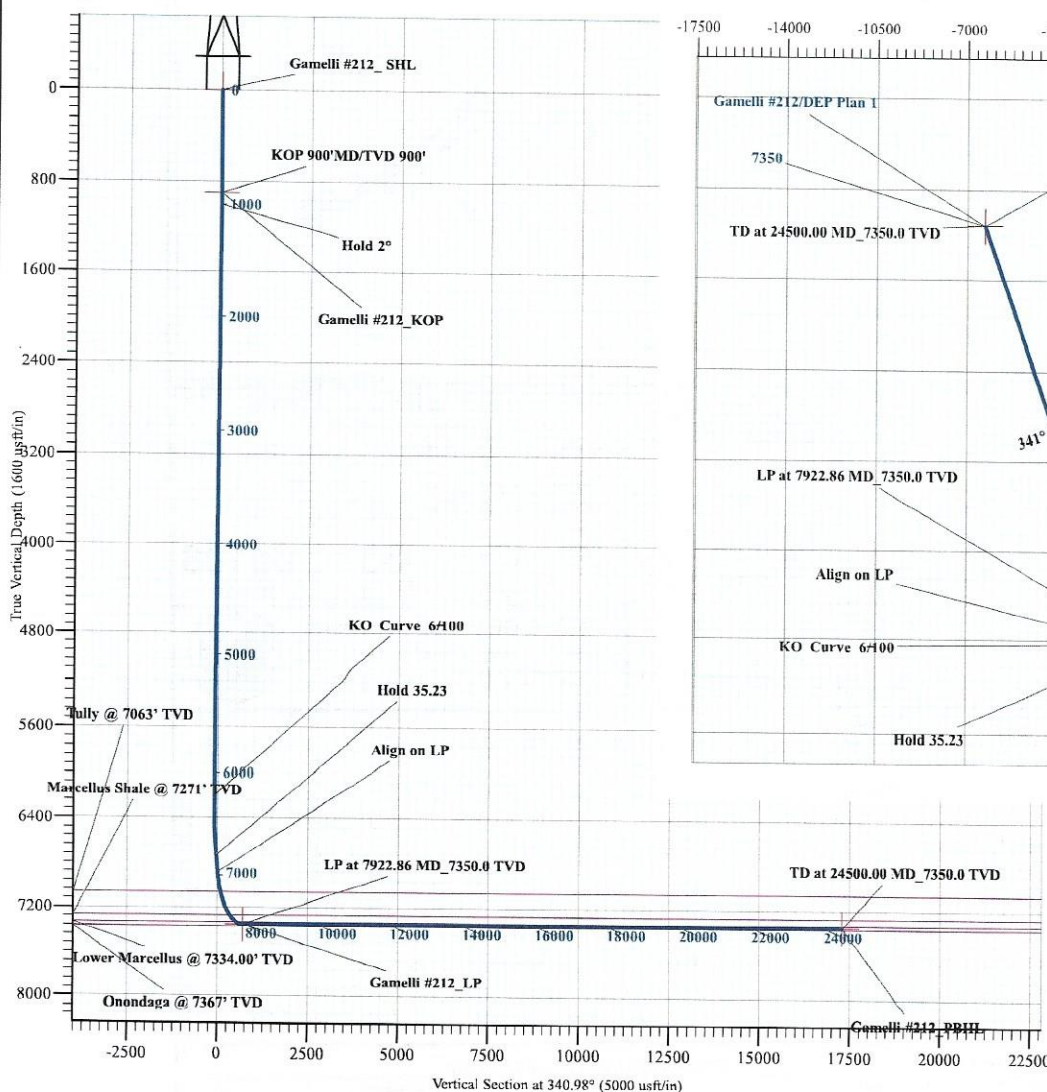
Permit #

NOTES:

Name	TVD	Latitude	Longitude	TMD
Gamelli #212_SHL	0.0	39.2610387°N	80.2035897°W	0.00
Gamelli #212_KOP	900.0	39.2610387°N	80.2035897°W	900.00
Gamelli #212_LP	7350.0	39.2621962°N	80.2068450°W	7922.8
Gamelli #212_PBHL	7350.0	39.3051044°N	80.2263749°W	24500.0

SECTION DETAILS

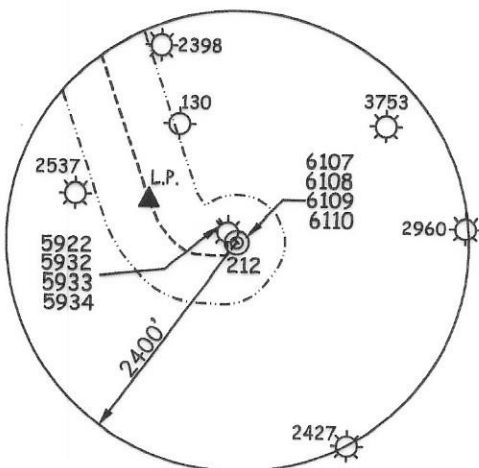
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.0	KOP 900'MD/TVD 900'
1000.0	2.00	220.00	1000.0	-1.3	-1.1	2.00	220.00	-0.9	Hold 2°
6200.0	2.00	220.00	6196.8	-140.4	-117.8	0.00	0.00	-94.3	KO Curve
6768.2	35.26	273.32	6728.6	-138.4	-293.1	6.00	55.68	-35.3	Hold 35.23
6956.3	35.26	273.32	6882.1	-132.1	-401.5	0.00	0.00	6.0	Align on LP
7922.8	90.00	340.98	7350.0	428.8	-918.4	8.00	71.44	704.7	LP at 7922.86 MD_7350.0 TVD
24500.0	90.00	340.98	7350.0	16100.7	-6321.6	0.00	0.00	17281.9	TD at 24500.00 MD_7350.0 TVD



10/24/2025

10,455' T.H.

5,105' B.H.

ARSENAL RESOURCES
GAMELLI PAD
WELL 212T.H. LATITUDE 39°17'30"
B.H. LATITUDE 39°20'00"

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	58.11'	25.63'	25.42'	S 82°42' W
C2	3742.75'	284.33'	284.26'	N 87°08' W
C3	338.16'	94.92'	94.61'	N 72°21' W
C4	568.80'	188.15'	187.29'	N 53°52' W
C5	1126.08'	491.84'	487.94'	N 30°50' W

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

TOP HOLE

NAD'83 S.P.C.(FT) N. 277,971.35 E. 1,769,281.69
NAD'83 GEO. LAT-(N) 39.261039 LONG-(W) 80.203590
NAD'83 UTM (M) N. 4,346,047.20 E. 568,708.90

LANDING POINT

NAD'83 S.P.C.(FT) N. 278,400.3 E. 1,768,363.2
NAD'83 GEO. LAT-(N) 39.262197 LONG-(W) 80.206845
NAD'83 UTM (M) N. 4,346,173.2 E. 568,426.9

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 294,072.4 E. 1,762,960.6
NAD'83 GEO. LAT-(N) 39.305105 LONG-(W) 80.226373
NAD'83 UTM (M) N. 4,350,920.6 E. 566,701.5

T.H. LONGITUDE 80°10'00"
B.H. LONGITUDE 80°12'30"

11,156' T.H.

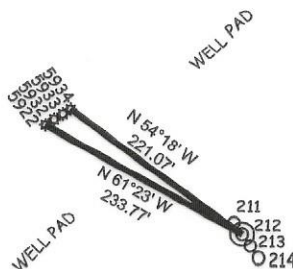
10,282' B.H.

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'

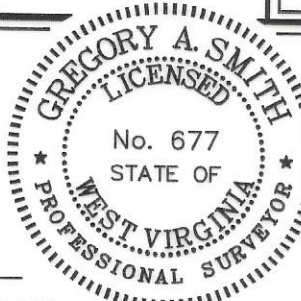
REFERENCES

1" = 200'



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
slsvv.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

(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE SEPTEMBER 15, 20 25

REVISED

OPERATORS WELL NO. 212

API
WELL
NO.

47

033

06108

STATE

COUNTY

PERMIT

MINIMUM DEGREE
OF ACCURACY

1 / 2500

FILE NO. 8597P212R3-091525.dwg

HORIZONTAL & VERTICAL
CONTROL DETERMINED BY

SCALE 1" = 2000'

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 1,140.30' WATERSHED BEARDS RUN

DISTRICT SIMPSON COUNTY HARRISON QUADRANGLE ROSEMONT 7.5'

SURFACE OWNER JAMES T. GAMELLI ET AL

ACREAGE 151.20±

ROYALTY OWNER JAMES T. GAMELLI ET AL

ACREAGE 151.20±

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 TVD: 7,350' / TMD: 24,500'

WELL OPERATOR ARSENAL RESOURCES LLC

DESIGNATED AGENT ERIC MORRIS

ADDRESS 6031 WALLACE RD. EXT. SUITE 200

ADDRESS 633 WEST MAIN STREET

WEXFORD, PA 15090

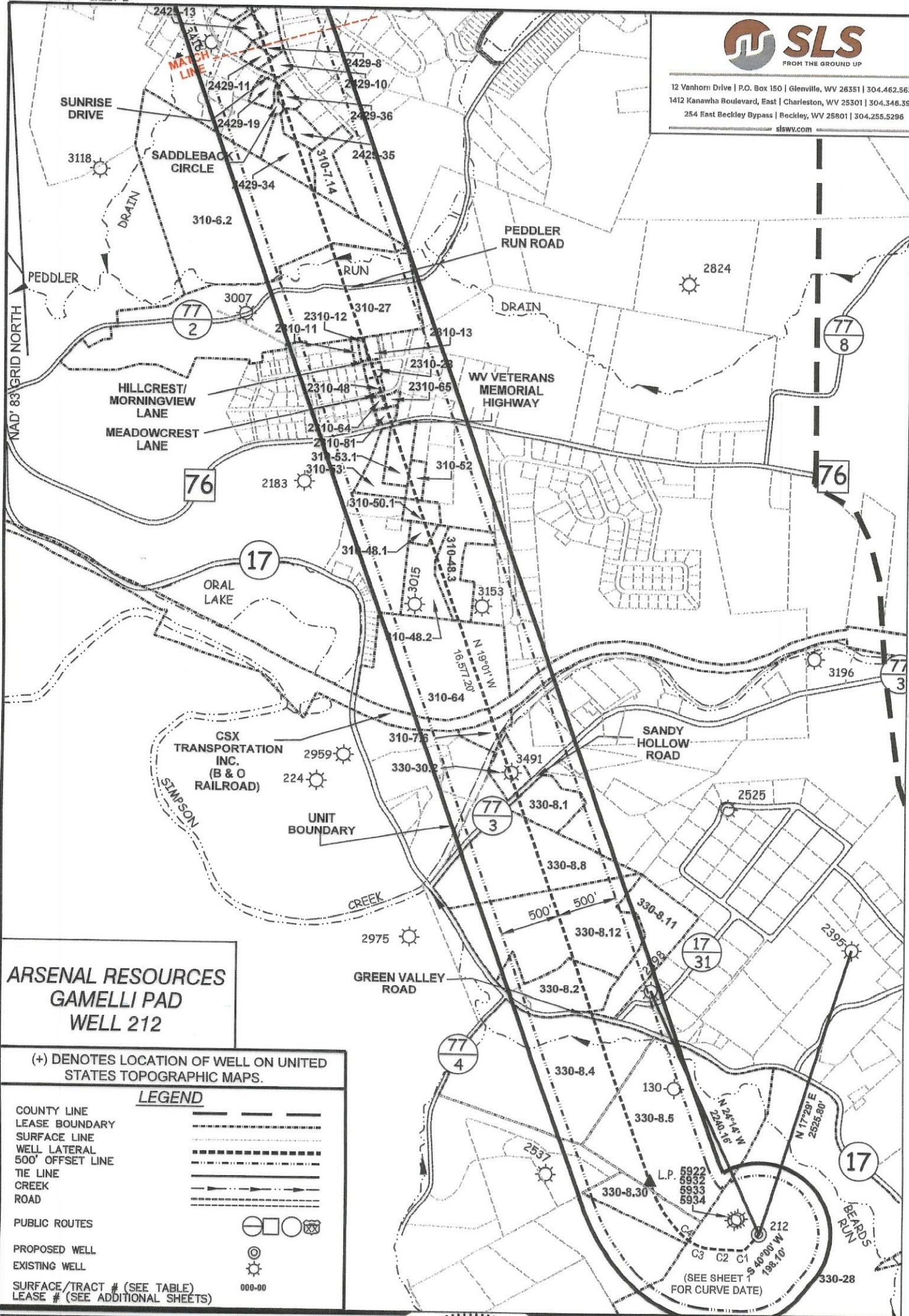
BRIDGEPORT, WV 26330

COUNTY NAME

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ARSENAL RESOURCES
GAMELLI PAD
WELL 212

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

LEGEND

COUNTY LINE
LEASE BOUNDARY
SURFACE LINE
WELL LATERAL
500' OFFSET LINE
TIE LINE
CREEK
ROAD

PUBLIC ROUTES

PROPOSED WELL

EXISTING WELL

SURFACE/TRACT # (SEE TABLE)
LEASE # (SEE ADDITIONAL SHEETS)



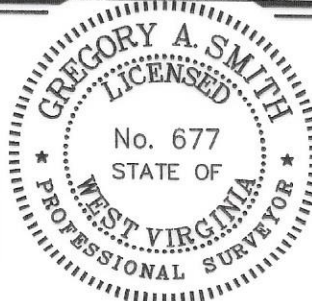
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DATE SEPTEMBER 15, 2025

REVISED

OPERATORS WELL NO. 212

API WELL NO. 47 — 033 — 06108
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 LLC
ADDRESS 6031 WALLACE RD. EXT. SUITE 200
WEXFORD, PA 15090

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

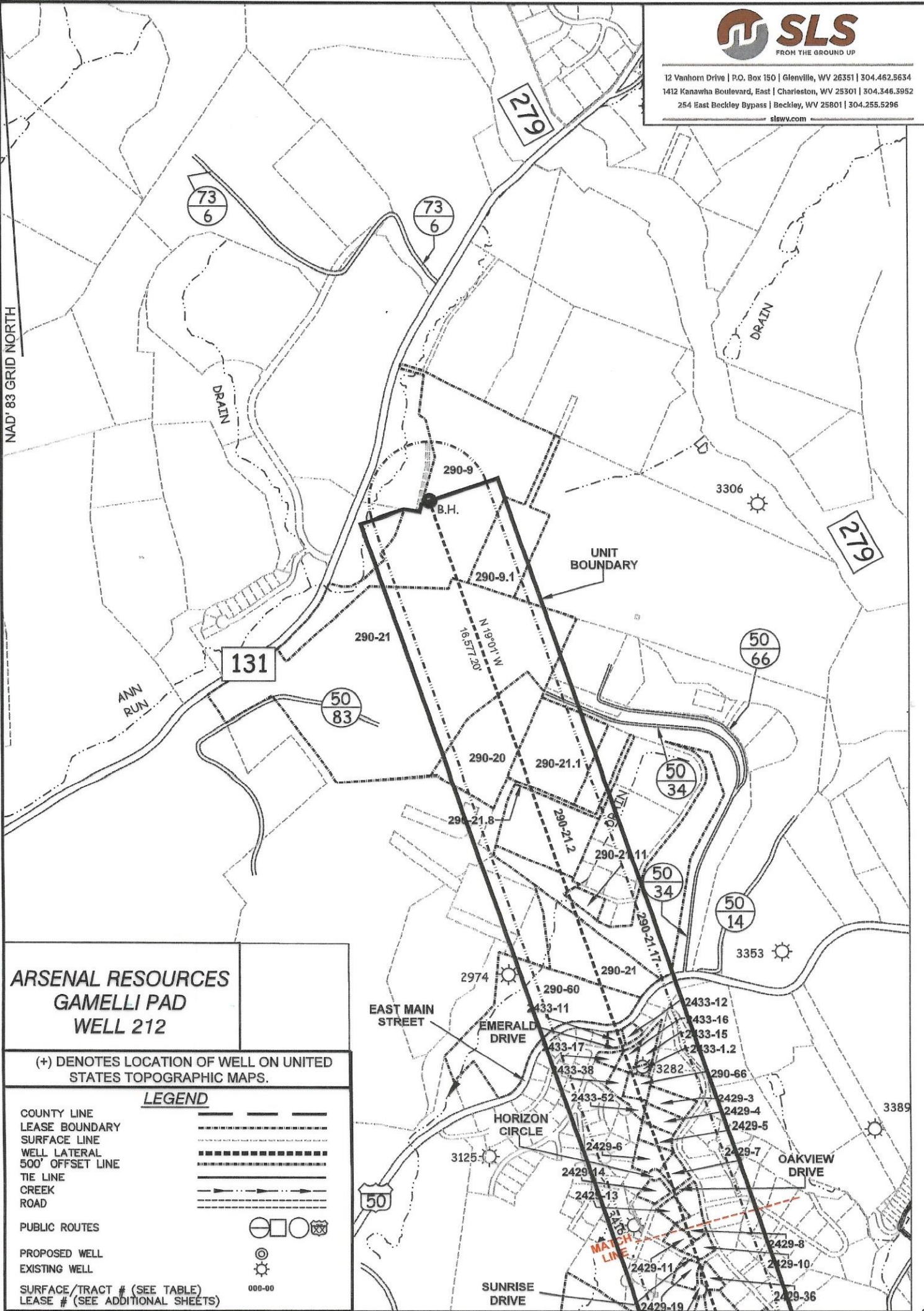
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NAD' 83 GRID NORTH



ARSENAL RESOURCES
GAMELLI PAD
WELL 212

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

LEGEND

- COUNTY LINE
- LEASE BOUNDARY
- SURFACE LINE
- WELL LATERAL
- 500' OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- PUBLIC ROUTES
- PROPOSED WELL
- EXISTING WELL
- SURFACE/TRACT # (SEE TABLE)
- LEASE # (SEE ADDITIONAL SHEETS)

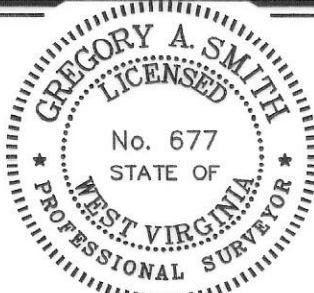
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STATE OF WEST VIRGINIA
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OFFICE OF OIL AND GAS



P.S. 677

Gregory A. Smith

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WEXFORD, PA 15090

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TAG-PARCEL	SURFACE OWNER	ACRES
330-28	JAMES GAMELLI ET AL	151.20
330-8.30	DAVID A. VELTRI	5.68
330-8.5	DENNY H. & DONNA VINCENT	33.5
330-8.4	DENNY HAROLD VINCENT	29.9
STREAM	BEARDS RUN	N/A
ROAD	COUNTY ROUTE 17-GREEN VALLEY ROAD	N/A
330-8.11	JUSTIN M. & SARAH W. ELLIOT	8.13
330-8.2	JUSTIN M. & SARAH W. ELLIOT	5.77
330-8.12	LAWRENCE M. & JOAN W. RINE	22.51
330-8.8	FRANCIS A. & AMY L. PARKER	16.35
330-8.1	KENNETH K. & HEIDI D. BENNINGTON	4.01
330-30.2	DICKIE J ALTMAN	2.50
STREAM	SIMPSON CREEK	N/A
330-7.6	MARK A & LORI B WARE	1.82
RAILROAD	CSX TRANSPORTATION INC.	N/A
310-64	JOHN E & BONNIE BURTON	21.66
310-48.3	JEREMY T. BURTON	4.74
310-48.2	JAMES O & FONDA BURTON	4.70
310-48.1	LESA E BURTON	0.83
310-50.1	ANNE FRANCES MOATS	1.634
310-52	TONYA MARIE MOORE	0.99
310-53	ANNE FRANCES MOATS	2.38
310-53.1	SHARON ELAINE BURTON	2.63
ROAD	WV ST RT 76-WV VETERANS MEMORIAL HIGHWAY	N/A
2310-81	RICHARD S DAVIS & LEE ANN GILLESPIE	LOT 41
2310-64	EDWARD R & C JOAN REIDER	LOT 51
2310-65	KARL M & JANICE L GUSTAFSON	LOT 50
ROAD	MEADOWCREST LANE	N/A
2310-48	RICHARD E & KAREN J EDGELL	LOT 60
2310-28	ALEXANDRA REYES	LOT 66
ROAD	HILLCREST/MORNINGVIEW LANE	N/A
2310-11	ELIZABETH J WADDELL	LOT 78
2310-12	ELIZABETH J WADDELL	LOT 77
2310-13	KYLE BRANDON HINZMAN ET AL	LOT 76 & P/O 75
310-27	BRADLEY C. & EMILY MILLER	40.48
ROAD	CO. RT. 77/2-PEDDLER RUN ROAD	N/A
STREAM	PEDDLER RUN	N/A

FILE NO. 8597P212R3-091525.dwg

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STATE OF WEST VIRGINIA
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OFFICE OF OIL AND GAS



P.S. 677 Gregory A. Smith

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COUNTY NAME

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310-6.2	BRADLEY C. & EMILY MILLER	42.14
310-7.14	THOMAS P. & SUSAN L. COLLINS	3.17
2429-34	JOHN A & OLATOKUNBO M ADENIYI	3.19
2429-35	MORDAN DAVID L JR REVOCABLE	1.58
2429-36	RONALD L & FELICIA M WALDEN	0.64
ROAD	SADDLEBACK CIRCLE	N/A
2429-19	SAMUEL J & LISA M CAVA	0.93
ROAD	SUNRISE DRIVE	N/A
2429-10	MATTHEW D JENKINS	0.75
2429-11	ANDREW R & KATHY M CITERONE	0.75
2429-8	FRANK EDWARD III SIMMERMAN ET AL	1.63
2429-13	MYERS LARRY J & FRANCES L	0.75
ROAD	OAKVIEW DRIVE	N/A
2429-14	MARY LOUISE VARGO	0.78
2429-7	CAROL A COFFINDAFFER ET AL	0.93
2429-6	JOSEPH ANDREW CALLAHAN ET AL	1.36
2429-5	JOSEPH JOHN PETROFF	0.98
2429-4	LACO L MACE & JANELL CHANDLER	1.10
2433-52	MATHEW HEATH & AMBER DAWN HADDIX	0.48
2429-3	ROGER P. SUTTER II & MELISSA L. SUTTER	1.42
290-66	CITY OF BRIDGEPORT	0.92
2433-1.2	CRYSTAL RIDGE DEVELOPMENT INC	0.30
2433-38	CARLOS A & REVA J DAVIS	0.68
2433-15	BRENDA KAY HINKLE	0.88
2433-16	ALLISON MCCONNELL	0.67
2433-17	SHANON R PITSENBARGER ET AL	0.50
ROAD	EMERALD DRIVE	N/A
2433-11	WARREN A JR & LESLEY A MORGAN	0.40
2433-12	JOSHUA C & TARA L SECKMAN	0.40
ROAD	U.S. ROUTE 50-EAST MAIN STREET	N/A
290-60	ENERGY PLAZA PARTNERS LLC	18.73
290-21	BENEDUM AIRPORT AUTHORITY	74.62
290-21.17	MICHAEL & REBECCA FRESA, MARY E. DEPUE1/2	17.50
290-21.11	HOUSEHOLDER HOLDINGS LLC	1.052
290-21.2	PRATT & WHITNEY AIRCRAFT OF WV INC.	9.214
290-21.8	PRATT & WHITNEY AIRCRAFT OF WV INC.	1.189
290-21.1	PRATT & WHITNEY AIRCRAFT OF WV INC.	10
290-20	BENEDUM AIRPORT AUTHORITY	11.56
290-9.1	BENEDUM AIRPORT AUTHORITY	7.82
290-9	BENEDUM AIRPORT AUTHORITY	35.80

FILE NO. 8597P212R3-091525.dwg

DATE SEPTEMBER 15, 2025

REVISED

OPERATORS WELL NO. 212

API WELL NO. 47 — 033 — 06108

STATE COUNTY PERMIT



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

10/24/2025

P.S. 677 Gregory A. Smith

WELL OPERATOR ARSENAL RESOURCES LLC
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

Attachment to WW-6A1 - GAMELLI 212

TAG Parcel #	LESSOR Name	LESSEE Name	Royalty	BK/PG	Gross Acres
00007225 47-033-15-330-28	Edwin L. King	Mar Key LLC	12.5%+	1576/507	149.44
00007205 47-033-15-330-28	James T. Gamelli	Mar Key LLC	12.5%+	1576/220	149.44
00007971 47-033-15-330-8.30	Catherine M. Depolo Rev Trust	Mar Key LLC	12.5%+	1600/579	33.5
00007888 47-033-15-330-8.5 47-033-15-330-8.30	Opal Katherine Hustead	NRM Petroleum Corp	12.5%+	1098/198	147.35
	NRM	Eastern American Energy Corp		1216/558	
	Eastern American Energy Corp	Energy Corporation of America		1441/1003	
	Energy Corporation of America	Mar Key LLC		1596/1233	
00009458 47-033-15-330-8.5	Denny Harold Vincent et ux	Mar Key LLC	12.5%+	1802/1101	33.5
00007888 47-033-15-330-8.4	OPAL KATHERINE HUSTEAD ET AL	NRM Petroleum	12.5%+	1098/198	147.35
	NRM	Eastern American Energy Corp		1216/558	
	Eastern American Energy Corp	Energy Corporation of America		1441/1003	
	Energy Corporation of America	Mar Key LLC		1596/1233	
00009453 47-033-15-330-8.4	TWYLA VINCENT COFFMAN	MAR KEY LLC	12.5%+	1800/131	35.5
00009454 47-033-15-330-8.4	ANGELA VINCENT MAXWELL	MAR KEY LLC	12.5%+	1800/130	35.5
00007888 47-033-15-330-8.11	OPAL KATHERINE HUSTEAD ET AL	NRM Petroleum	12.5%+	1098/198	147.35
	NRM	Eastern American Energy Corp		1216/558	
	Eastern American Energy Corp	Energy Corporation of America		1441/1003	
	Energy Corporation of America	Mar Key LLC		1596/1233	
ROAD	COUNTY ROUTE	17 OR GREEN	VALLEY	RD	

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TAG Parcel #	LESSOR Name	LESSEE Name	Royalty	BK/PG	Gross Acres
00007888 47-033-15-330-8.2	OPAL KATHERINE HUSTEAD ET AL	NRM Petroleum	12.5+%	1098/198	147.35
	NRM	Eastern American Energy Corp		1216/558	
	Eastern American Energy Corp	Energy Corporation of America		1441/1003	
	Energy Corporation of America	Mar Key LLC		1596/1233	
00008787 47-033-15-330-8.2	Thomas Paul Vincent	Mar Key LLC	12.5+%	1639/655	5.77
00008788 47-033-15-330-8.2	William Paul Vincent	Mar Key LLC	12.5+%	1639/657	5.77
00008789 47-033-15-330-8.2	Geri Diane Hughes	Mar Key LLC	12.5+%	1639/659	5.77
00009439 47-033-15-330-8.12	Lawrence M Rine	Mar Key LLC	12.5+%	1798/46	19.77
00009401 47-033-15-330-8.8	Grace Independent Baptist Church	Mar Key LLC	12.5+%	1792/215	21.9
00008960 47-033-15-330-8.1	Kenneth K Bennington et ux	Mar Key LLC	12.5+%	1744/1244	0.5
00008238 47-033-15-330-30.2	Dickie J Altman	Mar Key LLC	12.5+%	1611/643	2.5
00009423 47-033-15-330-30.2	Anthony Scott Galand	Mar Key LLC	12.5+%	1794/1348	2.5
00009424 47-033-15-330-30.2	Phillip Dane Galand	Mar Key LLC	12.5+%	1794/1336	2.5
00009425 47-033-15-330-30.2	James Timothy Galand	Mar Key LLC	12.5+%	1794/1346	2.5
unleased 47-033-15-310-7.6	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
00009426 Railroad	CSX Transportation Inc	Mar Key LLC	12.5+%	1794/1330	22.8
00008940 47-033-15-310-64	Joan Coffey	Mar Key LLC	12.5+%	1740/1080	23.66
00008944 47-033-15-310-64	Michael Zemacke	Mar Key LLC	12.5+%	1744/990	23.66

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TAG Parcel #	LESSOR Name	LESSEE Name	Royalty	BK/PG	Gross Acres
00008945	Lisa Whybrew	Mar Key LLC	12.5+%	1744/980	23.66
47-033-15-310-64					
00008946	M Diane Miller	Mar Key LLC	12.5+%	1804/1334	23.66
47-033-15-310-64					
00008947	Linda Lou Duty	Mar Key LLC	12.5+%	1744/982	23.66
47-033-15-310-64					
00008949	Genevieve Simco	Mar Key LLC	12.5+%	1744/971	23.66
47-033-15-310-64					
00008950	Ann Tepe	Mar Key LLC	12.5+%	1804/1344	23.66
47-033-15-310-64					
00008951	Carol Olivarez	Mar Key LLC	12.5+%	1744/477	23.66
47-033-15-310-64					
00008952	Victoria Watson	Mar Key LLC	12.5+%	1744/976	23.66
47-033-15-310-64					
00008953	Jennifer Wigal Millett	Mar Key LLC	12.5+%	1744/978	23.66
47-033-15-310-64					
00008954	Daniel D Pierce	Mar Key LLC	12.5+%	1744/479	23.66
47-033-15-310-64					
00008955	Anna S Dawkins	Mar Key LLC	12.5+%	1744/481	23.66
47-033-15-310-64					
00008956	Billie Jo Comisky	Mar Key LLC	12.5+%	1744/1292	23.66
47-033-15-310-64					
00008957	Virginia Leigh Wigal	Mar Key LLC	12.5+%	1744/1238	23.66
47-033-15-310-64					
00008958	Susan Wigal Strickland	Mar Key LLC	12.5+%	1744/1240	23.66
47-033-15-310-64					
00008959	Mary Cantrell	Mar Key LLC	12.5+%	1744/1242	23.66
47-033-15-310-64					
00008961	Katherine Lee Opkins	Mar Key LLC	12.5+%	1744/974	23.66
47-033-15-310-64					
00008962	James Calvin Watson III	Mar Key LLC	12.5+%	1744/1246	23.66
47-033-15-310-64					
00008967	Mary Spitler	Mar Key LLC	12.5+%	1744/1256	23.66
47-033-15-310-64					
00009002	Sheri Lynette Lague	Mar Key LLC	12.5+%	1749/249	23.66
47-033-15-310-64					
00009017	David Rogalski	Mar Key LLC	12.5+%	1753/699	23.66
47-033-15-310-64					

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TAG Parcel #	LESSOR Name	LESSEE Name	Royalty	BK/PG	Gross Acres
00008732 47-033-15-310-48.1 310-48.2 and 310-48.3	Frerd Thomas Burton et al	Mar Key LLC	12.5+%	1137/607	15.81
unleased 47-033-15-310-50.1	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
unleased 47-033-15-310-52	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
unleased 47-033-15-310-53	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
unleased 47-033-15-310-53.1	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
ROAD	WV ST RT 76	WV VETERANS	MEMORIAL	HWY	
unleased 47-033-15-2310-81	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
00008948 47-033-15-2310-64	Edward R Reider et ux	Mar Key LLC	12.5+%	1804/1339	0.27
00008972 47-033-15-2310-65	Karl M Gustafson et ux	Mar Key LLC	12.5+%	1745/340	0.3
ROAD	MEADOWCREST LANE				
00008965 47-033-15-2310-48	Richard E Edgell et ux	Mar Key LLC	12.5+%	1744/1252	0.3547
unleased 47-033-15-2310-28	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
ROAD	MORNINGVIEW LANE				
unleased 47-033-15-2310-11	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
unleased 47-033-15-2310-12	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
00007912 47-033-15-2310-13	Kyle Brandon Hinzman et al	Mar Key LLC	12.5+%	1604/277	0.516528
unleased 47-033-15-310-27	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
ROAD	COUNTY RT 77/2	PEDDLER RUN	ROAD		
00003415 47-033-15-310-6.2 47-033-16-2433-52	Lloyd L Lang et al	Petroleum Development Corp	12.5+%	1142/876	120
	PETROLEUM DEVELOPMENT CORP	PDC MOUNTAINEER LLC		1440/364	
	PDC MOUNTAINEER LLC	River Ridge Energy, LLC		59/1263	

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TAG Parcel #	LESSOR Name	LESSEE Name	Royalty	BK/PG	Gross Acres
00003416 47-033-15-310-7.14 47-033-15-290-66 16-2429-34, 35, 36, 38, 16-2429-3, 4, 5, 6, 7, 8, 10, 11, 13, 14, 19 16-2433-1.2, 11, 12, 15, 16, 17, 38,	John B Stout	Petroleum Development Corp	12.5+%	1168/922	150
	PETROLEUM DEVELOPMENT CORP	PDC MOUNTAINEER LLC		1440/364	
	PDC MOUNTAINEER LLC	River Ridge Energy, LLC		59/1263	
00003416 road	Saddleback Circle				
00003416 road	Sunrise Drive				
00003416 road	Oakview Drive				
00003416 road	Emerald Drive				
00003532 47-033-15-290-60	Lloyd L Lang et al	Petroleum Development Corp	12.5+%	1156/585	20.73
	PETROLEUM DEVELOPMENT CORP	PDC MOUNTAINEER LLC		1440/364	
	PDC MOUNTAINEER LLC	River Ridge Energy, LLC		59/1263	
00008941 47-033-16-290-20 AND 21, 21.1, 21.2, 21.2, AND 21.11 AND 21.17, 21.8	CHRISTOPHER CORDER HULL	MAR KEY LLC	12.5+%	1744/986	362.15
00008942 47-033-16-290-20 AND 21, 21.1, 21.2, 21.2, AND 21.11 AND 21.17, 21.8	KIMBERLEY D IZOLD	MAR KEY LLC	12.5+%	1744/984	459.38
00008012 47-033-16-290-9 AND 9.1	BENEDUM AIRPORT AUTHORITY	Mar Key LLC	12.5+%	1608/1126	197.509065

* Horizontal well unit utilization - Subject to unitization filing with the West Virginia Oil and Gas Commission

4703306100



4703306107
People Powered. Asset Strong.

September 26, 2025

West Virginia Department of Environmental Protection
Office of Oil and Gas
ATTN: Taylor Brewer
601 57th Street SE
Charleston, WV 25304

RE: Gamelli #211 (47-033-06107) and 212 (47-033-06108) - Expedited Modifications Due to Well Extensions

Dear Mr. Brewer,

Enclosed please find the permit modifications for the Gamelli #211 (47-033-06107) and Gamelli #212 (47-033-06108).

The wellhead locations remain the same as the current permit. The wells are being extended to the planned lateral lengths of 15,789 and 16,577 feet, respectively.

Revised documents attached include the revised WW-6B, SSP, wellbore schematic with plan, plat, WW-6A1, and area of review. The expedited modification review fee is also included.

Should you have any questions or need any additional information, please feel free to contact me by phone or email.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Emily Glick'.

Emily Glick
Geologist & Permitting Specialist
(c) 724-759-9612
(e) eglick@arsenalresources.com

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www.arsenalresources.com

10/24/2025