



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

Wednesday, December 3, 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 213
47-033-06109-00-00

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 213
Farm Name: JAMES T. GAMELLI ET AL
U.S. WELL NUMBER: 47-033-06109-00-00
Horizontal 6A New Drill
Date Modification Issued: 12/03/2025

Promoting a healthy environment.

12/05/2025

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 213 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 ☒ Oil ☐ Underground Storage ☐
Other ☐
(b) If Gas Shallow ☒ Deep ☐
Horizontal ☒
- 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: 24,900'
- 11) Proposed Horizontal Leg Length: 17,122'
- 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', Harlem: 175', Bakerslown: 253', Brush Creek: 355', U Freeport: 422', L Freeport: 475', U Kittanning: 538', M Kittanning: 617', L Kittanning: 641', Clanton: 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 ☒
- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

Jeff A Probst 8-28-2025

4703306109

WW-6B
(04/15)

API NO. 47- 033

OPERATOR WELL NO. Gamelli 213

Well Pad Name: Gamelli

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
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	24,900	24,900 ✓	TOC @ 2,300
Tubing							
Liners							

Jeff A Probst ✓ 8-28-2025

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
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							

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 strands 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

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 #213



Operator Name: **Arsenal Resources**

DEP
Use
Only

Permit #

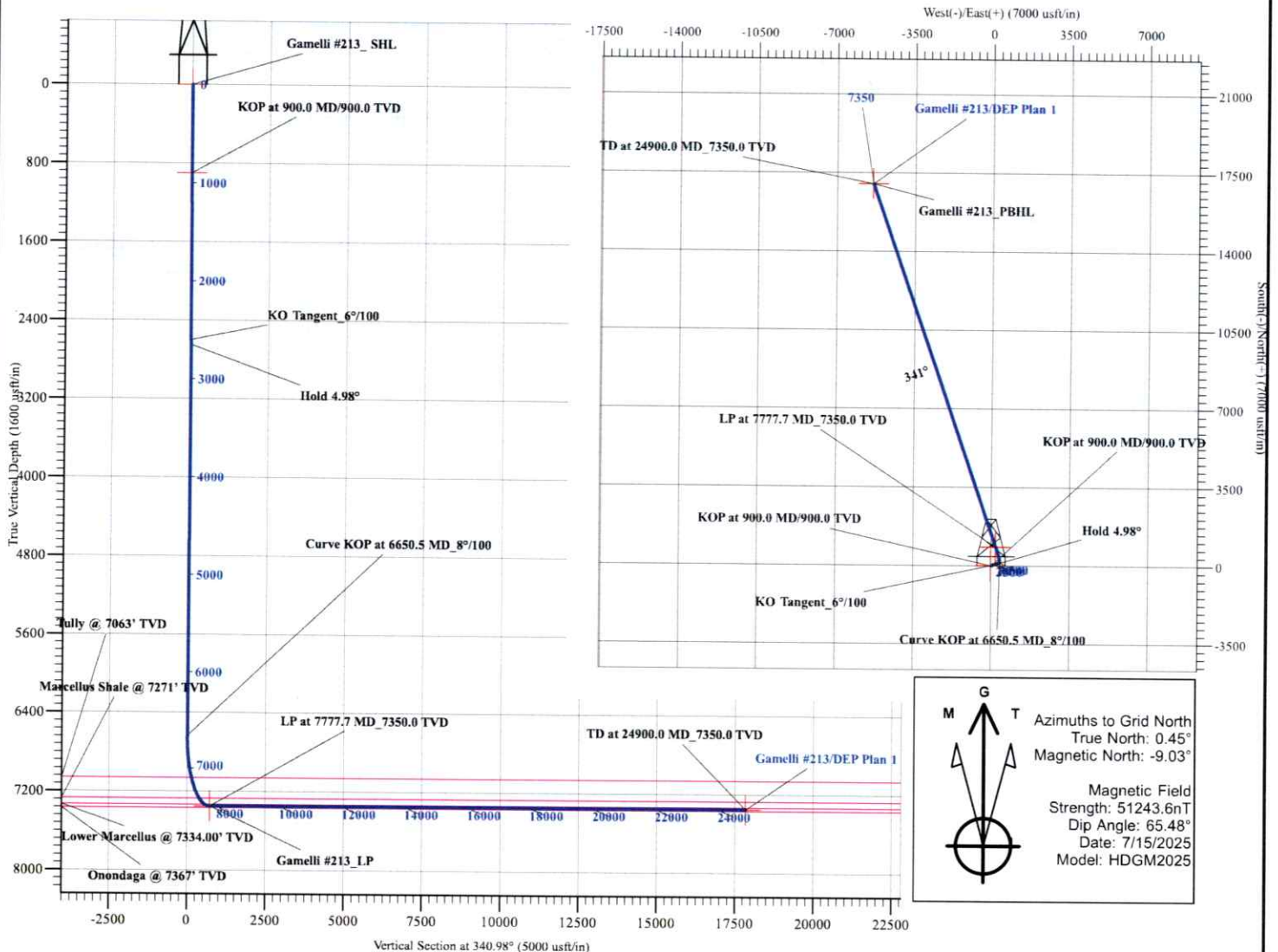
Well/Farm Name: **Gamelli Pad**

NOTES:

Name	TVD	Latitude	Longitude	TMD
Gamelli #213_SHL	0.0	39.2610052°N	80.2035590°W	0.00
Gamelli #213_KOP	900.0	39.2610052°N	80.2035590°W	900.00
Gamelli #213_LP	7350.0	39.2632949°N	80.2028474°W	7777.7
Gamelli #213_PBHL	7350.0	39.3076155°N	80.2230149°W	24900.0

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 at 900.0 MD/900.0 TVD
1000.0	2.00	56.00	1000.0	1.0	1.4	2.00	56.00	0.5	Hold 4.98°
2601.0	2.00	56.00	2600.0	32.2	47.8	0.00	0.00	14.9	KO Tangent_6°/100
2653.0	4.98	72.98	2651.9	33.4	50.7	6.00	27.74	15.0	Hold 4.98°
6650.5	4.98	72.98	6634.3	135.0	382.5	0.00	0.00	2.9	Curve KOP at 6650.5 MD_8°/100
7777.7	90.00	340.98	7350.0	832.4	208.0	8.00	-91.99	719.1	LP at 7777.7 MD_7350.0 TVD
24900.0	90.00	340.98	7350.0	17019.9	-5372.1	0.00	0.00	17841.4	TD at 24900.0 MD_7350.0 TVD



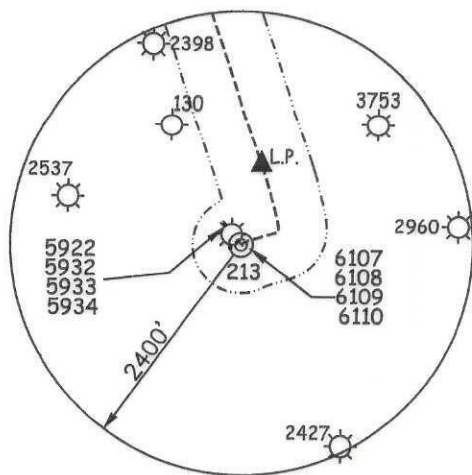
12/05/2025

Area of Review Report - Gamelli Pad, 213 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
C G Cleer 5	033-02525	Greylock Conventional, LLC	Existing	39.271166	-80.204465	4,467	Benson	Fifth
Compton Inc 1	033-03353	Diversified Production, LLC	Existing	39.295139	-80.215606	4,532	Benson	Fifty Foot

RECEIVED
Office of Oil and Gas
OCT 22 2023
WV Department of
Environmental Protection

4703306109

ARSENAL RESOURCES
GAMELLI PAD
WELL 213

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	22.76'	20.53'	18.84'	N 21°25' E
C2	468.66'	94.61'	94.46'	N 06°47' W
C3	5297.89'	610.12'	609.78'	N 16°16' W

T.H. LATITUDE 39°17'30"
B.H. LATITUDE 39°20'00"

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

TOP HOLE

NAD'83 S.P.C.(FT) N. 277,959.05 E. 1,769,290.28
NAD'83 GEO. LAT-(N) 39.2631005 LONG-(W) 80.203559
NAD'83 UTM (M) N. 4,346,043.50 E. 568,711.58

LANDING POINT

NAD'83 S.P.C.(FT) N. 278,791.7 E. 1,769,498.1
NAD'83 GEO. LAT-(N) 39.263296 LONG-(W) 80.202848
NAD'83 UTM (M) N. 4,346,298.2 E. 568,770.7

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 294,978.6 E. 1,763,918.0
NAD'83 GEO. LAT-(N) 39.307615 LONG-(W) 80.223016
NAD'83 UTM (M) N. 4,351,201.6 E. 566,988.5

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

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'

B.H.

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
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 OCTOBER 14, 20 25

REVISED

OPERATORS WELL NO. 213

API
WELL NO. 47 - 033 - 06109
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8597P213R-101425.dwg

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

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GASWELL TYPE: OIL _____ 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 12/05/2025

PROPOSED WORK :

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

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

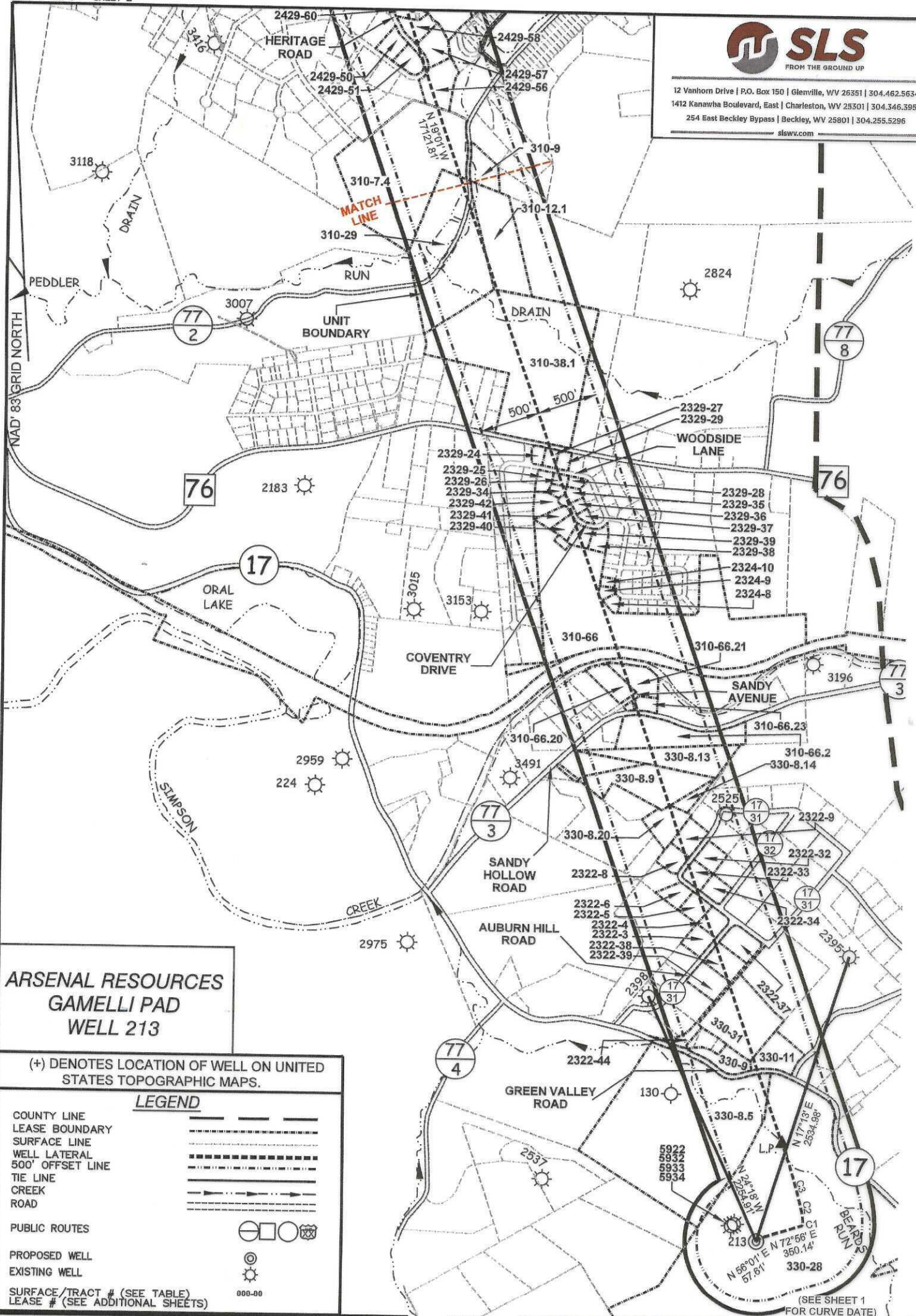
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TVD: 7,350' / TMD: 24,900'WELL OPERATOR ARSENAL RESOURCES LLC
ADDRESS 6031 WALLACE RD. EXT. SUITE 200
WEXFORD, PA 15090DESIGNATED AGENT ERIC MORRIS
ADDRESS 633 WEST MAIN STREET
BRIDGEPORT, WV 26330

COUNTY NAME

PERMIT



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**ARSENAL RESOURCES
 GAMELLI PAD
 WELL 213**

(+) 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)

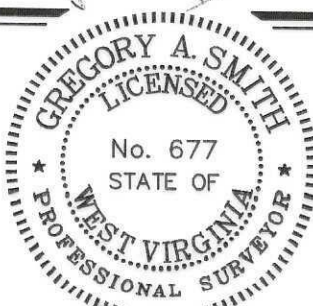
SCALE 1" = 1000' FILE NO. 8597P213R-101425.dwg

DATE OCTOBER 14, 20 25

REVISED

OPERATORS WELL NO. 213

API WELL NO. 47 — 033 — 06109
 STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
 DIVISION OF
 ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 12/05/2025

P.S. 677 Gregory A. Smith

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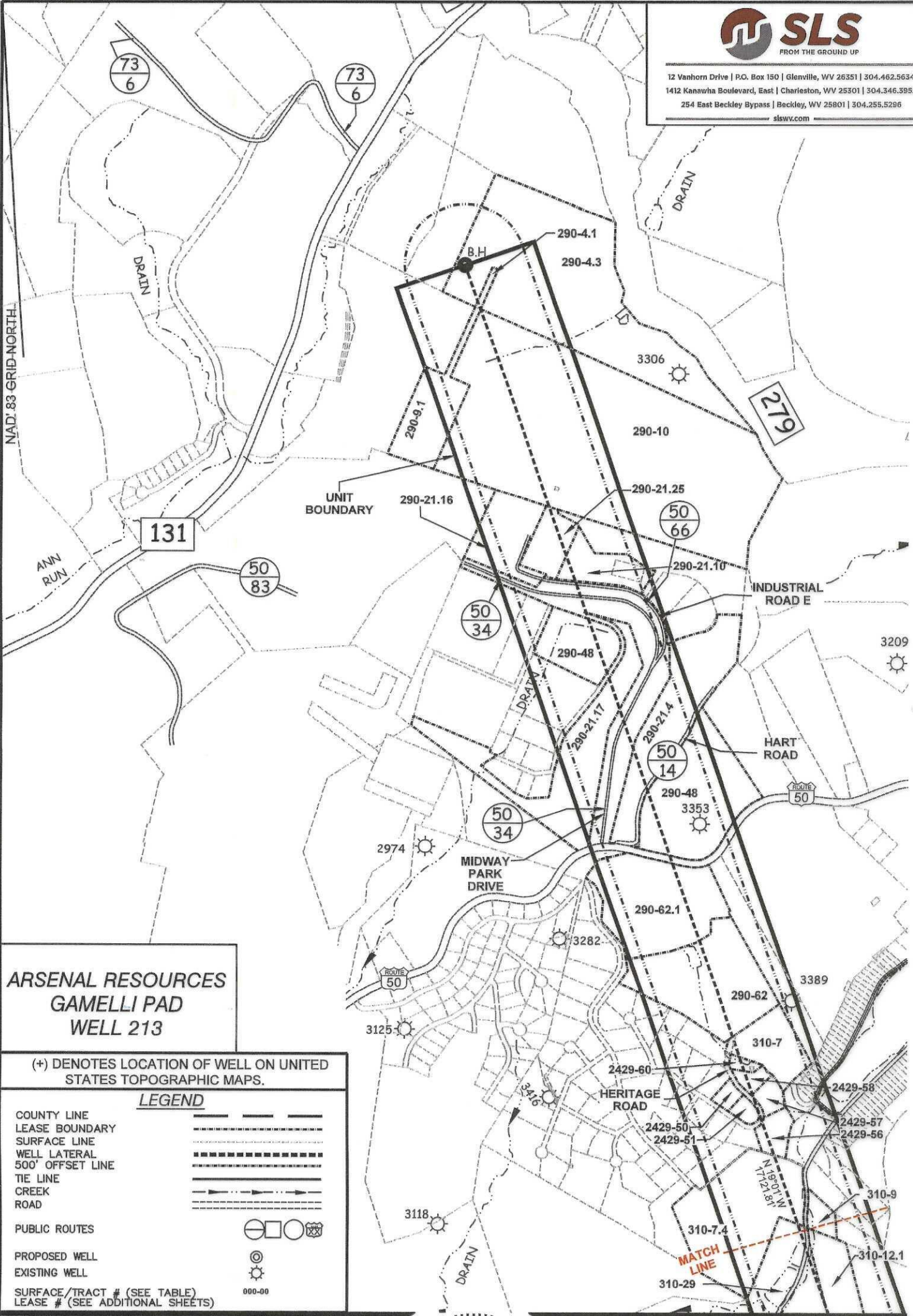
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ARSENAL RESOURCES
GAMELLI PAD
WELL 213

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TAG-PARCEL	SURFACE OWNER	ACRES
330-28	JAMES GAMELLI ET AL	151.20
330-8.5	DENNY H. & DONNA VINCENT	33.5
STREAM	BEARDS RUN	N/A
ROAD	COUNTY ROUTE 17-GREEN VALLEY ROAD	N/A
330-11	THOMAS G. & ANNA C. ALDRIDGE	2.10
330-9	RONALD E. & LAURA L. MYERS	1.74
330-31	KENNETH & REBECCA LAMOUREUX	5.99
2322-44	AUBURN WOODS HOME OWNERS ASSOCIATION INC	0.95
2322-39	LOUIS J. & CHERYL H. SOLTESZ	1.48
2322-38	JEFFREY L. & PENNY A. GAGE	1.48
2322-37	SILVIA E. GUERRERO	1.46
ROAD	COUNTY ROUTE 17/31-AUBURN HILL ROAD	N/A
2322-3	GREGORY M. & SHARON R. BELCHER	0.98
2322-4	DONALD BRAMER III & KRISTEN BRAMER	0.90
2322-5	DAVID II & WHITNEY PATTERSON	0.91
2322-6	JAMES P WISNIEWSKI JR	0.86
ROAD	VALLEY VIEW ROAD	N/A
2322-34	DONALD C & ANGELA MARIE DAVIDSON	0.82
2322-33	JOHN & TRINA BRITCHER	0.82
2322-32	MICHELLE & EMIL LEHOSIT JR	0.91
2322-8	EDWARD F JR & PATRICIA L WASKE	0.90
2322-9	MICHAEL R. HAYNES & LORA L. WESTFALL	1.19
330-8.20	MICHAEL R. HAYNES & LORA L. WESTFALL	1.74
330-8.14	DEBORAH ANN SANDY	0.64
330-8.9	ERIC J & AMANDA B THOMPSON	5.31
330-8.13	MATTHEW ALTMAN	4.19
310-66.2	MATTHEW ALTMAN	9.99
310-66.23	BRIAN P. DAVIS	0.62
ROAD	COUNTY ROUTE 77/3-SANDY HOLLOW ROAD	N/A
ROAD	SANDY AVENUE	N/A
310-66.20	CHRISTOPHER P. & JENNIFER L. SNYDER	1.63
310-66.21	BRIAN P. DAVIS	1.65
STREAM	SIMPSON CREEK	N/A
RAILROAD	CSX TRANSPORTATION INC.	N/A
310-66	DOVETAIL EST. PROPERTY OWNERS ASSOCIATION INC	41.22
2324-8	RICHARD MCGEE	0.34
2324-9	RICHARD MCGEE	0.26
2324-10	MICHAEL B & JAMIE L COX	0.19
2329-38	ASHLEY & BRANDON BAILEY	0.64
2329-39	DAVID G & DONNA S CONLEY	0.67
2329-40	BRYAN S & SARAH M FORD	0.58
2329-37	JERRY & EVELYN HOSAFLOOK IRRV TRUST	0.23
2329-41	WENDY & ROBERT A NELSON	0.65

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ROAD	COVENTRY DRIVE	N/A
2329-36	TIMOTHY R & GRETA D OXLEY	0.26
2329-42	WENDY & ROBERT A NELSON	0.84
2329-35	JASON W SMITH	0.31
2329-34	JEFF S & NIKKI BOWMAR	0.29
2329-26	ZACHARY D & PATRICIA L HUTSON	0.28
2329-25	MATTHEW & MICHELLE RAINES	0.52
2329-28	BECK LAUREN	0.29
ROAD	WOODSIDE LANE	N/A
2329-29	RACHEL MARIE & BASSELL EUGENE HAMRICK JR	0.39
2329-27	DEREK & MARCHE BRAGG	0.40
2329-24	DEREK & MARCHE BRAGG	0.36
ROAD	WV ROUTE 76-WV MEMORIAL HIGHWAY	N/A
310-38.1	DAVID V & SHELLEY L BRYANT	25.61
310-12.1	MAPLE LAKE CLUB	7.00
ROAD	COUNTY ROUTE 77/2-PEDDLER RUN ROAD	N/A
310-29	MAPLE LAKE CLUB	14.13
310-9	EDWARD B & NANCY L HANLEY	1.61
310-7.4	MACE FAMILY REVOCABLE TRUST	18.42
2429-56	ANTONIO SELARIO & NATALIE KING-SELARIO	2.09
2429-57	CRAWLERS LLC	1.31
ROAD	HERITAGE FARM SUBDIVISION ROAD-HERITAGE RD	0.86
2429-51	WAYNE E & CHERYL HUFFMAN	0.86
2429-50	ZACHARY S & RACHEL K DYER	0.86
2429-58	CRAWLERS LLC	0.98
2429-60	BEAR HOLDINGS LLC	0.57
310-7	BEAR HOLDINGS LLC	5.78
290-62	BP WV MAPLEWOOD ASSET CO LLC	16.81
290-62.1	BISHOP MAPLEWOOD OWNER LLC	17.24
ROAD	U.S. ROUTE 50-EAST MAIN STREET	N/A
290-48	GRAFTON COAL CO	17.463
ROAD	COUNTY ROUTE 50/14-HART ROAD	N/A
290-21.4	MICHAEL R & REBECCA S FRESA	12.72
ROAD	COUNTY ROAD 50/34-MIDWAY PARK DRIVE	N/A
290-21.17	MICHAEL & REBECCA FRESA, MARY E. DEPUE1/2	17.50
290-21.5	MOUNTAINEER REAL ESTATE INC	6.67
ROAD	COUNTY ROUTE 50/66-INDUSTRIAL ROAD E	N/A
290-21.10	MID ATLANTIC AEROSPACE COMPLEX INC	4.08
290-21.25	MID ATLANTIC AEROSPACE COMPLEX INC	3.97
290-21.16	AURORA FLIGHT SCIENCES OF WEST VIRGINIA INC	7.12
290-10	BENEDUM AIRPORT AUTHORITY	77.41
290-9.1	BENEDUM AIRPORT AUTHORITY	7.82
290-4.3	BENEDUM AIRPORT AUTHORITY	42.95
290-4.1	BENEDUM AIRPORT AUTHORITY	0.42

FILE NO. 8597P213R-101425.dwg

DATE OCTOBER 14, 2025

REVISED

OPERATORS WELL NO. 213

API WELL NO. 47 — 033 — 06109
STATE COUNTY PERMIT



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



P.S.
677

Signature of 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

GAMELLI N 213 WW-6A1 ATTACHMENT

Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-330-28	00007225	Edwin L. King	Mar Key LLC	1576/507	12.5%+	149.44
47-033-15-330-28	00007205	James T. Gamelli	Mar Key LLC	1576/220	12.5%+	149.44
47-03-15-330-8.5	00007888	Opal Katherine Hustead et al	NRM			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		
47-03-15-330-8.5	00009458	Denny Harold Vincent et ux	Mar Key LLC	1802/1101	12.5%+	33.5
STREAM	N/A					
ROAD	CO RT 17	GREEN VALLEY ROAD				
47-033-15-330-11	00008296	Charles G & Mary J Cleer	Partnership Properties Inc	1043/718	12.5%+	111.85
47-033-15-330-31		Partnership Properties Inc	Eastern American Energy Corp	1124/449		
		Eastern American Energy Corp	Energy Corporation of America	1441/1003		
		Energy Corporation of America	Greylock Conventional	1603/1084		
		Energy Corporation of America	Greylock Production LLC	1603/1121		
		Greylock Production LLC	Mar Key LLC	1607/855		
47-033-15-330-9	00007943	Ronald E Myers	Mar Key LLC	1600/833	12.5%+	1.74
47-033-15-2322-44	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-39	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-38	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-37	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
ROAD	CO RT 17/31	AUBURN HILL RD				
47-033-15-2322-3	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-4	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-5	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-6	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-34	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-33	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-32	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			

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Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-2322-8	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-9	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-330-8.20 47-033-15-330-8.9	00009422	James W and Debra Long	Mar Key LLC	1794/1340	12.5%+	17.46
47-033-15-330-8.20 47-033-15-330-8.9		Anthony Scott Galand	Mar Key LLC			
47-033-15-330-8.13 47-033-15-330-8.14	00009423			1794/1348	12.5%+	84.25
47-033-15-330-8.20 47-033-15-330-8.9		Phillip Dane Galand	Mar Key LLC			
47-033-15-330-8.13 47-033-15-330-8.14	00009424			1794/1336	12.5%+	84.25
47-033-15-330-8.20 47-033-15-330-8.9		James Timothy Galand	Mar Key LLC			
47-033-15-330-8.13 47-033-15-330-8.14	00009425			1794/1346	12.5%+	84.25

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GAMELLI N 213 WW-6A1 ATTACHMENT

Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-310-66 47-033-15-310-66.2 47-033-15-310-66.20 47-033-15-310-66.21 47-033-15-310-66.23 47-033-15-2324-8 47-033-15-2324-9 47-033-15-2324-10 47-033-15-2329-38 47-033-15-2329-39 47-033-15-2329-40 47-033-15-2329-37 47-033-15-2329-41 47-033-15-2329-36 47-033-15-2329-42 47-033-15-2329-35 47-033-15-2329-34 47-033-15-2329-26 47-033-15-2329-25 47-033-15-2329-28 47-033-15-2329-29 47-033-15-2329-27 47-033-15-2329-24	00009107	Tetrack Group II Rev Trust	Mar Key LLC			
ROAD ROAD STREAM		Co rt 77/3 Sandy Hollow Rd Sandy Avenue Simpson Creek				
RAILROAD	00009426	CSX TRANSPORTATION	Mar Key LLC	1794/1330	12.5%+	22.8
ROAD ROAD ROAD		Coventry Drive Woodside Lane Wv rt 76 - Memorial Highway				
47-033-15-310-38.1	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-310-12.1	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
ROAD		Maple Lake Club				
47-033-15-310-29	00008613	XTO Energy Inc	Mar Key LLC	1629/684	12.5%+	14.13

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Office of Oil and Gas
OCT 22 2025
WV Department of
Environmental Protection

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GAMELLI N 213 WW-6A1 ATTACHMENT

Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-310-7.4 47-033-16-2429-56 47-033-16-2429-57 47-033-16-2429-51 47-033-16-2429-50 47-033-16-2429-58 47-033-16-2429-60 47-033-15-310-7 47-033-15-290-62 47-033-15-290-62.1	00003416	John B Stout et al	Petroleum Development corp			
				1168/922	12.5%+	150
		Petroleum Development Corp PDC Mountaineer	PDC Mountaineer River Ridge Energy	1440/364 59/1263		
47-033-15-310-9	unleased	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
ROAD ROAD		Heritage Road US rt 50 East Main St				
47-033-15-290-48	00003566	Grafton Coal Co Five J Energy Inc PDC Mountaineer	Five J Energy Inc PDC Mountaineer River Ridge Energy	1157/131 1157/728 59/1263	12.5%+	26.23
road		Co rt 50/14 - Hart Rd				
47-033-16-290-21.4 47-033-16-290-21.17 47-033-16-290-21.5 47-033-16-290-21.10 47-033-16-290-21.25 47-033-16-290-21.16	00008941	Christopher Hull	Mar Key LLC			
				1744/986	12.5%+	362.15
47-033-16-290-21.4 47-033-16-290-21.17 47-033-16-290-21.5 47-033-16-290-21.10 47-033-16-290-21.25 47-033-16-290-21.16	00008942	Kimberley Izold	Mar Key LLC			
				1744/984	12.5%+	362.15
ROAD ROAD		Co rt 50/34 - Midway Park Dr Co rt 50/66 Industrial Road E				

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GAMELLI N 213 WW-6A1 ATTACHMENT

Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-16-290-10 47-033-16-290-9.1 47-033-16-290-4.1	00008012	Benedum Airport Authority	Mar Key LLC	1608/1126	12.5%+	196.52
47-033-16-290-4.3	00003702	Timothy C McIntyre Petroleum Development Corp PDC Mountaineer	Petroleum Development Corp PDC Mountaineer River Ridge Energy	1164/430 1440/364 59/1263	12.5%+	81.19

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

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OCT 22 2025
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Environmental Protection

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People Powered. Asset Strong.

October 20, 2025

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

RE: Gamelli #213 (47-033-06109) and 214 (47-033-06110) - Expedited Modifications Due to Well Extensions

Dear Mr. Brewer,

Enclosed please find the permit modifications for the Gamelli #213 (47-033-06109) and Gamelli #214 (47-033-06110).

The wellhead locations remain the same as the current permit. The wells are being extended to the planned lateral lengths of 17,122 and 16,986 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 that reads 'Emily Glick'.

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

#213
Ch# 204822
7500.00

#214
Ch# 204823
7500.00

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6031 Wallace Road Ext., Suite 200
Wexford, PA 15090
P - 724-940-1100
F - 800-428-0981

www.arsenalresources.com

12/05/2025