



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 214
47-033-06110-00-00

Lateral Extension with 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 'Jason Harmon'.

H. Jason Harmon
Acting Chief

Operator's Well Number: GAMELLI 214
Farm Name: JAMES T GAMELLI ET AL
U.S. WELL NUMBER: 47-033-06110-00-00
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 214 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: 25,000'
- 11) Proposed Horizontal Leg Length: 16,986'
- 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', 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: _____

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

Jeff A Propat 8-28-2025

WW-6B
(04/15)

4703306110
API NO. 47- 033 -
OPERATOR WELL NO. Gamelli 214
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	25,000	25,000 ✓	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							

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:

24" 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 Propat 8-28-2025

4703306110

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 #214



Operator Name: **Arsenal Resources**

DEP
Use
Only

Permit #

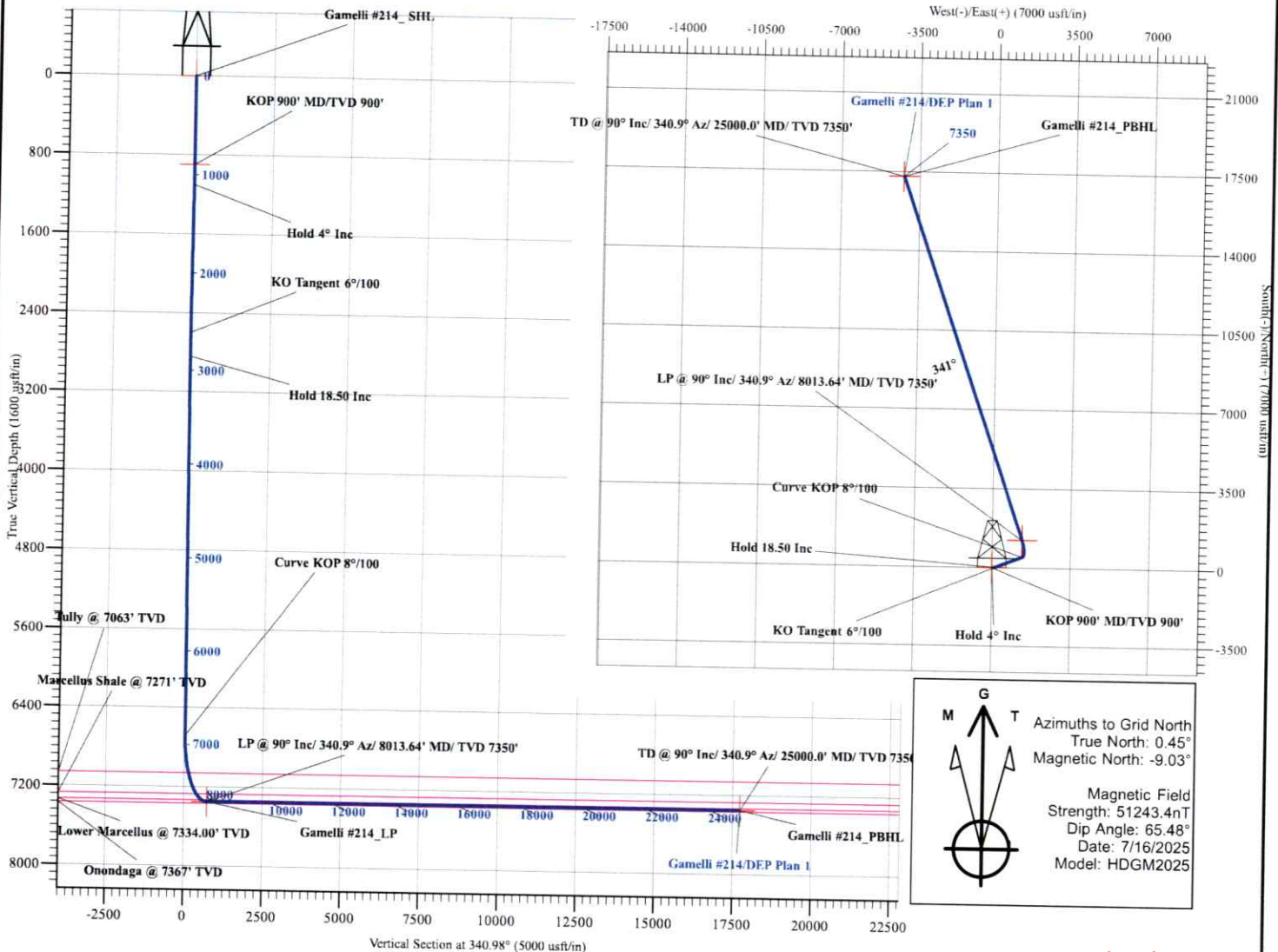
Well/Farm Name: **Gamelli Pad**

NOTES:

Name	TVD	Latitude	Longitude	TMD
Gamelli #214_SHL	0.0	39.2609716°N	80.2035284°W	0.00
Gamelli #214_KOP	900.0	39.2609716°N	80.2035284°W	900.00
Gamelli #214_LP	7350.0	39.2643933°N	80.1988510°W	8013.6
Gamelli #214_PBHL	7350.0	39.3083619°N	80.2188589°W	25000.0

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	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'
1100.0	4.00	85.00	1099.8	0.6	7.0	2.00	85.00	-1.7	Hold 4° Inc
2603.8	4.00	85.00	2600.0	9.8	111.5	0.00	0.00	-27.1	KO Tangent 6°/100
2848.7	18.50	68.96	2839.6	24.5	156.5	6.00	-20.22	-27.8	Hold 18.50 Inc
6896.6	18.50	68.96	6878.4	485.6	1355.2	0.00	0.00	17.5	Curve KOP 8°/100
8013.6	90.00	340.98	7350.0	1235.9	1334.0	8.00	-88.09	733.7	LP @ 90° Inc/ 340.9° Az/ 8013.64' MD/ TVD 7350'
25000.0	90.00	340.98	7350.0	17294.6	-4202.6	0.00	0.00	17720.0	TD @ 90° Inc/ 340.9° Az/ 25000.0' MD/ TVD 7350'



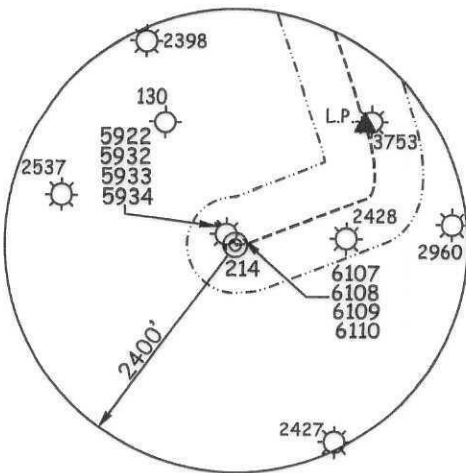
12/05/2025

Area of Review Report - Gamelli Pad, 214 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
✓ Dawson 2	033-02428	Braxton Oil & Gas Corp.	Existing	39.261133	-80.202128	4,369	Benson	Fifth, Balltown
✓ Richard A Sandy 1	033-03753	Diversified Production, LLC	Existing	39.26493	-80.198373	4,536	Benson	NA
✓ Charles G Cleer 1	033-02395	Greylock Conventional, LLC	Existing	39.267374	-80.202128	4,461	Benson	Fifth
✓ George Sandy 1	033-03196	Diversified Production, LLC	Existing	39.274356	-80.202295	4,271	Benson	Fifth
✓ J M Comer et al	033-02824	Greylock Conventional, LLC	Existing	39.283183	-80.205912	4,526	Benson	Balltown
✓ Timothy C McIntyre 1	033-03306	Diversified Production, LLC	Existing	39.305121	-80.216168	4,552	Benson	Fourth, Gantz, Big Injun

RECEIVED
Office of Conservation
OCT 22 2025
WV Department of
Environmental Protection

4703306110

ARSENAL RESOURCES
GAMELLI PAD
WELL 214

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	131.50'	40.39'	40.23'	N 75°04' E
C2	85.28'	51.23'	50.46'	N 50°03' E
C3	295.68'	153.59'	151.87'	N 15°18' E
C4	1016.13'	189.73'	189.45'	N 02°30' W
C5	1846.42'	393.84'	393.10'	N 13°39' 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. 277,946.75 E. 1,769,298.86
NAD'83 GEO. LAT-(N) 39.264972 LONG-(W) 80.203528
NAD'83 UTM (M) N. 4,346,039.79 E. 568,714.25

LANDING POINT

NAD'83 S.P.C.(FT) N. 279,183.2 E. 1,770,632.9
NAD'83 GEO. LAT-(N) 39.264395 LONG-(W) 80.198851
NAD'83 UTM (M) N. 4,346,423.3 E. 569,114.4

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 295,241.4 E. 1,765,097.1
NAD'83 GEO. LAT-(N) 39.308362 LONG-(W) 80.218856
NAD'83 UTM (M) N. 4,351,287.6 E. 567,346.5

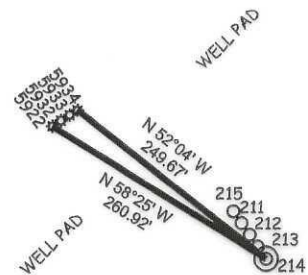
T.H. LONGITUDE 80°10'00"
B.H. LONGITUDE 80°12'30"

NOTES ON SURVEY

- 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.
- WELL SPOT CIRCLE & TOPO MARK SCALE ARE 1"=2000'

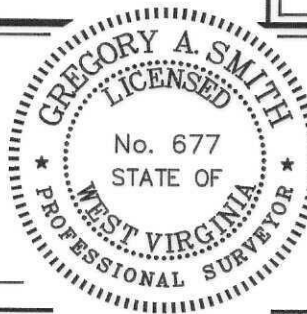
REFERENCES

1" = 200'



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5834
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

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

DATE OCTOBER 16, 20 25

REVISED

OPERATORS WELL NO. 214

API WELL NO. 47 - 033 - 06110
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8597P214R-101625.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 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

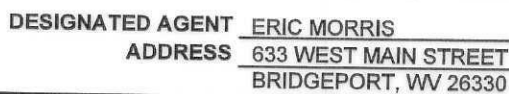
ESTIMATED DEPTH TVD: 7,350' / TMD: 25,000'

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

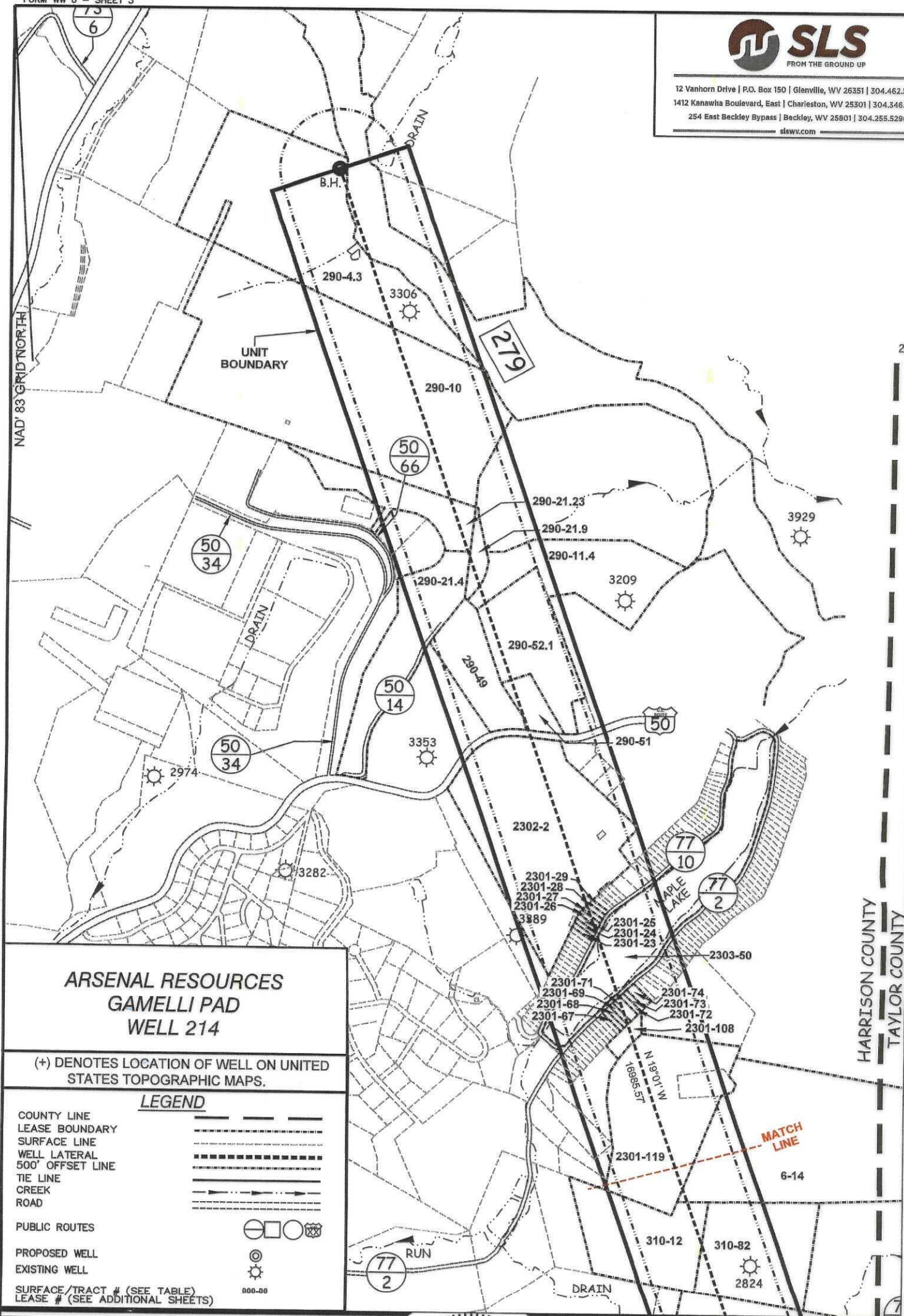
PERMIT



PERMIT



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



ARSENAL RESOURCES GAMELLI PAD WELL 214

(+) 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. 8597P214R-101625.dwg

DATE OCTOBER 16, 20 25

REVISED

OPERATORS WELL NO. 214

API WELL NO. 47 — 033 — 06110
 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

24

HARRISON COUNTY
 TAYLOR COUNTY

COUNTY NAME

PERMIT



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

TAG-PARCEL	SURFACE OWNER	ACRES
330-28	JAMES GAMELLI ET AL	151.20
ROAD	CO. RT. 17-GREEN VALLEY ROAD	N/A
331-7	DAVID MARK PATRICK	32.125
330-15	RICHARD A & DOREEN SANDY	16.81
330-13.4	ARZA O & REBECCA D WRIGHT	1.59
330-13.1	ARZA O & REBECCA D WRIGHT	2.80
2326-20	GREGORY D & AMY D GOFF	4.00
ROAD	CLEER ROAD	N/A
330-32.1	THOMAS G & ANNA ALDRIDGE	12.17
2326-21	FRANK II & LORRIE A WHY	0.61
2326-7	DANIEL J & KATHERINE M MARTINEZ	0.73
2326-5	JOSH A & JENNIFER L PRITCHARD	0.73
2326-3	LARRY K DAVIS II	0.75
2326-1	CONNIE RAYE MALONE	1.10
2326-4	ROBERT W SNARR	0.67
2326-2	STEPHEN M WALKER	0.64
2326-26	CONNIE RAYE MALONE	1.71
ROAD	CO. RT. 17/31-MOUNTAIN VIEW ROAD	N/A
330-32	J MICHAEL POOLE	23.84
ROAD	CO. RT. 17/31-VALLEY VIEW ROAD	N/A
2322-21	GEORGE A III & BETH A SAYMON	1.20
2322-20	ANTHONY H & CHRISTINE B PRATT	1.24
2322-19	CONNIE A KOVAL	1.23
2322-17	JOHN C & SUZANNE A VASH	0.88
2322-16	JEFFREY SCOTT ESTEP	1.02
2322-15	CHARLES T II & KRISTY E DAVIS	0.92
2322-14	PATRICK D & KERI M SNELL	1.15
310-69	DEBORAH ANN SANDY	25.32
310-66.3	PHILLIP MATTHEW HART & DOROTHY ELLEN SANDY	3.80
ROAD	CO. RT. 77/3-SANDY HOLLOW ROAD	N/A
310-66.1	PHILLIP MATTHEW HART & DOROTHY ELLEN SANDY	0.78
310-66.26	PHILLIP MATTHEW HART & DOROTHY ELLEN SANDY	7.88
CREEK	SIMPSON CREEK	N/A
RAILROAD	CSX TRANSPORTATION	N/A
310-66	DOVETAIL ESTATES PROPERTY OWNERS ASSOCIATIO	41.22
310-67	ANTHONY J BRUNETTI (LE) (JOHN HART BRUNETTI II ETAL)	15.55
310-66.8	PRICE JACOB MAXWELL	0.99
ROAD	WV RT 76-WEST VETERANS MEMORIAL HWY	N/A

FILE NO. 8597P214R-101625.dwg

DATE OCTOBER 16, 20 25

REVISED

OPERATORS WELL NO. 214

API WELL NO. 47 — 033 — 06110
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

COUNTY NAME
PERMIT



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

310-38.10	DANNY E & RITA L KNIGHT (LE) (MONICA C & MICHAEL J BERRY)	0.90
310-38	JONAS JAMES BLACKWELL	1.42
310-38.3	CHAD AUSTIN THOMPSON TRUST (UNITED BANK INC TRUSTEE) (LE)	26.70
310-82	WILLIAM J DAHL & SHARIFEH FARASAT	18.08
310-12	WILLIAM J DAHL & SHARIFEH FARASAT	15.24
0006-14	WILLIAM J DAHL & SHARIFEH FARASAT	49.82
2301-119	WILLIAM J DAHL & SHARIFEH FARASAT	25.87
2301-108	DENNIS E & KIMBERLY W KLINGENSMITH	2.15
2301-67	RYAN W TOLLEY	0.21
2301-68	DENNIS E & KIMBERLY W KLINGENSMITH	0.20
2301-69	PATRICIA L FAWCETT	0.20
2301-71	DENNIS R & HARRIET S PRESKY	0.41
2301-72	KILEY MICHELLE WAGNER	0.20
2301-73	ALEXANDER B & ALANA B HOSKINSON	0.21
2301-74	ANN M & MICHAEL J ARNOLD	0.40
ROAD	CO. RT. 77/2-MAPLE LAKE ROAD	N/A
2303-50	WILLIAM H BEVER C/O MAPLE LAKE CLUB	28.18
CREEK	MAPLE LAKE	N/A
ROAD	CO. RT. 77/10-PEDDLER RUN ROAD	N/A
2301-23	NORMA C JENKINS	0.20
2301-24	PAMELA D & JACQUELYN N FLEECE	0.20
2301-25	BENJAMIN A & KRISTEN E HANLAN	0.19
2301-26	AMY & WILLIAM DODD	0.18
2301-27	AMY & WILLIAM DODD	0.18
2301-28	DANIEL SMALL	0.16
2301-29	MARK DEMASI	0.15
2302-2	GRAFTON COAL COMPANY	39.11
ROAD	US ROUT 50	N/A
290-49	GRAFTON COAL COMPANY	8.768
290-51	MCKINNEY JOSEPH M	3.096
290-52.1	SIDNEY F MCKINNEY JR	13.75
290-11.4	HARRISON COUNTY DEVELOPMENT AUTHORITY	16.63
290-21.9	MICHAEL R & REBECCA S FRESA 1/2, MARY ELLEN DEPUE 1/2	1.50
290-21.4	MICHAEL R & REBECCA S FRESA 1/2, MARY ELLEN DEPUE 1/2	12.72
290-21.23	BENEDUM AIRPORT AUTHORITY	9.24
290-10	BENEDUM AIRPORT AUTHORITY	77.41
290-4.3	BENEDUM AIRPORT AUTHORITY	42.95
ROAD	WV ROUTE 279	N/A

FILE NO. 8597P214R-101625.dwg

DATE OCTOBER 16, 20 25

REVISED

OPERATORS WELL NO. 214

API WELL NO. 47 — 033 — 06110
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

COUNTY NAME

PERMIT

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -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
ROAD		CO RT 17 - Green Valley RD				
47-033-15-331-7	00008144	Jay D. Harmer	Mar Key LLC	1607/409	12.5%+	32.13
47-033-15-331-7	00008380	John W Kerns Heirs Trust	Mar Key LLC	1623/651	12.5%+	32.13
47-033-15-331-7	00008381	THE UNION NATIONAL BANK OF CLARKSBURG, A CORPORATION AND S.A. SMITH AND C. BURKE MORRIS	Mar Key LLC	1623/653	12.5%+	32.13
47-033-15-331-7	00008506	Sarah H Kingery et al	Mar Key LLC	1624/1096	12.5%+	71.75
47-033-15-331-7	00008507	Scott A Harmer et al	Mar Key LLC	1624/1098	12.5%+	71.75
47-033-15-331-7	00008605	XTO Energy Inc	Mar Key LLC	1628/1010	12.5%+	32.13
47-033-15-330-15	00009357	Lindsay Nicole Edgell	Mar Key LLC	1788/148	12.5%+	17.86
47-033-15-330-13.4	00008990	Arza O & Rebecca D Wright	Mar Key LLC	1749/245	12.5%+	4.39
47-033-15-330-13.1						
47-033-15-2326-20	00007821	Anna Caruso by AIF	Mar Key LLC	1597/329	12.5%+	10
47-033-15-2326-21						
47-033-15-330-32.1						
47-033-15-2326-20	00007822	Mary C Johnson by AIF	Mar Key LLC	1597/331	12.5%+	10
47-033-15-2326-21						
47-033-15-330-32.1						
47-033-15-2326-20	00007823	John F Oliverio	Mar Key LLC	1597/333	12.5%+	10
47-033-15-2326-21						
47-033-15-330-32.1						
47-033-15-2326-20	00007824	Frances O Phares	Mar Key LLC	1597/325	12.5%+	10
47-033-15-2326-21						
47-033-15-330-32.1						
47-033-15-2326-20	00007825	Angela M Shabosky	Mar Key LLC	1597/327	12.5%+	10
47-033-15-2326-21						
47-033-15-330-32.1						

RECEIVED
Office of Oil and Gas
OCT 22 2025
Department of
Energy and Environmental Protection

4703306110

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-2326-20 47-033-15-2326-21 47-033-15-330-32.1	00007826	Frank A Oliverio by AIF	Mar Key LLC	1597/335	12.5%+	10
47-033-15-2326-7 47-033-15-2326-5 47-033-15-2326-3 47-033-15-2326-1 47-033-15-2326-4 47-033-15-2326-2 47-033-15-2326-26 47-033-15-330-32	00008296	Charles G & Mary J Cleer	Partnership Properties Inc	1021/20	12.5%+	111.85
		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		
ROAD		CLEER ROAD				
ROAD		CO RT 17/31 - TRAILS VIEW RD				
ROAD		CO RT 17/31 - VALLEY VIEW RD				
47-033-15-2322-21	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-20	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-19	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-17	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-16	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-15	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2322-14	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-310-69	00008737	Mary M Costilow	Sheldon and Sheldon Inc	1147/670	12.5%+	35
		Sheldon and Sheldon Inc	Excel Energy INC	1202/622	12.5%+	
		Excel Energy Inc et al	Linn Energy Holdings LLC	1389/893	12.5%+	

473306110

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
		Linn Energy Holdings LLC	XTO Energy Inc	1419/959	12.5%+	
		Linn Energy Holdings LLC and Linn Operating	XTO Energy Inc	1459/90	12.5%+	
		Linn Energy Holdings LLC and Linn Operating	XTO Energy Inc	1583/919	12.5%+	
		XTO Energy Inc	Mar Key LLC	1628/1031	12.5%+	
47-033-15-310-66.3	00009107	Tetrack Group II Rev Trust 89-23-85	Mar Key LLC	1772/884	12.5%+	121
47-033-15-310-66.1						
47-033-15-310-66.8						
47-033-15-310-66						
47-033-15-310-66.26						
47-033-15-310-66	00009414	Darrell R Richards	Mar Key LLC	1794/1338	12.5%+	42.7035
47-033-15-310-66	00009415	David E Bowyer	Mar Key LLC	1794/1334	12.5%+	42.7035
ROAD		CO RT 77/3 SANDY HOLLOW RD				
CREEK		SIMPSON CREEK				
RAILROAD	00009426	CSX TRANSPORTATION	Mar Key LLC	1794/1330	12.5%+	22.8
47-033-15-310-67	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
ROAD		WW RT 76 WEST VIRGINIA				
		VETERANS MEM HWY				
47-033-15-310-38.10	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-310-38	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-310-38.3	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-310-82	00008981	Robert J Comer	Mar Key LLC	1761/381	12.5%+	
47-033-4-6-14						
47-033-15-310-82	00008984	Kathryn A Frush	Mar Key LLC	1761/383	12.5%+	68.08
47-033-4-6-14						
47-033-15-310-82	00008985	James P Comer	Mar Key LLC	1761/385	12.5%+	68.08
47-033-4-6-14						
47-033-15-310-82	00008988	Marsha L Bradley	Mar Key LLC	1761/387	12.5%+	68.08
47-033-4-6-14						68.08

RECEIVED
OCT 22 2025
Department of
Environmental Protection

4703306110

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-310-82 47-033-4-6-14	00008989	Mary A French	Mar Key LLC	1761/389	12.5%+	68.08
47-033-15-310-82 47-033-4-6-14	00008991	Lori E Stadler	Mar Key LLC	1761/391	12.5%+	68.08
47-033-15-310-82 47-033-4-6-14	00008992	Patrick J Comer	Mar Key LLC	1761/393	12.5%+	68.08
47-033-15-310-82 47-033-4-6-14	00008993	Mary K Meck Rev Liv Trust	Mar Key LLC	1761/395	12.5%+	68.08
47-033-15-310-82 47-033-4-6-14	00008997	John F Comer	Mar Key LLC	1761/397	12.5%+	68.08
47-033-15-310-82 47-033-4-6-14	00008999	Patricia A Comer	Mar Key LLC	1761/399	12.5%+	68.08
47-033-15-310-12	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-119	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-108	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-67	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-68	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-69	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-71	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-72	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-73	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
47-033-15-2301-74	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING			
ROAD		CO RT 77/10 MAPLE LAKE RD				
CREEK		MAPLE CREEK				
ROAD		CO RT 77/10 MAPLE LAKE RD				
47-033-15-2303-50	00003416	John B Stout	Petroleum Development Corp	1168/922	12.5%+	150
		Petroleum Development Corp	PDC Mountaineer	1440/364		
		PDC Mountaineer	River Ridge Energy	59/1263		

4703306110

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00008969	Ann Perry	Mar Key LLC	1745/346	12.5%+	21.94
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00008970	David Charles Whipple	Mar Key LLC	1745/344	12.5%+	21.94
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00008975	Thomas Perry	Mar Key LLC	1747/913	12.5%+	21.94

501 22 1005

47 23 10 10

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-2303-50	00008976	Jean Peterson	Mar Key LLC	1747/915	12.5%+	21.94
47-033-15-2301-23						
47-033-15-2301-24						
47-033-15-2301-25						
47-033-15-2301-26						
47-033-15-2301-27						
47-033-15-2301-28						
47-033-15-2301-29						
47-033-15-2303-50	00008977	Barbara Benishek	Mar Key LLC	1747/917	12.5%+	21.94
47-033-15-2301-23						
47-033-15-2301-24						
47-033-15-2301-25						
47-033-15-2301-26						
47-033-15-2301-27						
47-033-15-2301-28						
47-033-15-2301-29						
47-033-15-2303-50	00008986	Roberta Gnan	Mar Key LLC	1749/251	12.5%+	21.94
47-033-15-2301-23						
47-033-15-2301-24						
47-033-15-2301-25						
47-033-15-2301-26						
47-033-15-2301-27						
47-033-15-2301-28						
47-033-15-2301-29						
47-033-15-2303-50	00008995	Richard Paul Abbuhl	Mar Key LLC	1749/241	12.5%+	21.94
47-033-15-2301-23						
47-033-15-2301-24						
47-033-15-2301-25						
47-033-15-2301-26						
47-033-15-2301-27						
47-033-15-2301-28						
47-033-15-2301-29						

47-033-15-2301-29

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00008998	Marilyn Wortman	Mar Key LLC	1749/243	12.5%+	21.94
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00009003	Keith Wortman	Mar Key LLC	1751/1329	12.5%+	21.94
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00009004	Karena Wortman	Mar Key LLC	1751/1327	12.5%+	21.94
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00009005	Kaye Wortman	Mar Key LLC	1751/1331	12.5%+	21.94

47-033-15-2303-50

NOT 23 2005

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00009006	Kara Kovac	Mar Key LLC	1751/1277	12.5%+	21.94
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00009008	Elizabeth M Perry Blair	Mar Key LLC	1751/1335	12.5%+	21.94
47-033-15-2303-50 47-033-15-2301-23 47-033-15-2301-24 47-033-15-2301-25 47-033-15-2301-26 47-033-15-2301-27 47-033-15-2301-28 47-033-15-2301-29	00009009	Carol Simpson	Mar Key LLC	1751/1337	12.5%+	21.94
47-033-15-2302-2	00003830	Five-J Energy Inc Petroleum Development Corp PDC Mountaineer	Petroleum Development Corp PDC Mountaineer River Ridge Energy	1169/30 1440/364 59/1263	12.5%+	43
ROAD		US RT 50 - East Main St				
47-033-15-290-49	00003566	Grafton Coal Company 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

4703306110

GAMELLI N 214 - WW6A-1 ATTACHMENT

TAG -Parcel #	Lease #	LESSOR Name	LESSEE Name	BK/PG	LOR	Gross Acres
47-033-15-290-49 47-033-15-290-51	00008081	Joseph M McKinney	Mar Key LLC	1607/501	12.5%+	3.1
47-033-15-290-52.1	00008082	Sidney F McKinney Jr	Mar Key LLC	1607/523	12.5%+	16.07
47-033-15-290-11.4	00003510	Claude J and Mary L Ryan Jr Petroleum Development Corp PDC Mountaineer	Petroleum Development Corp PDC Mountaineer River Ridge Energy	1095/716 1440/364 59/1263	12.5%+	86
47-033-15-290-21.9	00009459	Mary Ellen Depue	Mar Key LLC	1802/1095	12.5%+	1.69
47-033-15-290-21.9	00009460	Michael R & Rebecca S Fresa	Mar Key LLC	1802/1097	12.5%+	1.69
47-033-15-290-21.4 47-033-15-290-21.23	00008941	Christopher Corder Hull	Mar Key LLC	1744/986	12.5%+	362.15
47-033-15-290-21.4 47-033-15-290-21.23	00008942	Kimberley D Izold	Mar Key LLC	1744/984	12.5%+	362.15
47-033-15-290-10	00008012	Benedum Airport Authority	Mar Key LLC	1608/1126	12.5%+	196.52
47-033-15-290-4.3	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
ROAD		WW RT 279				

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

4703306110



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

RECEIVED
Office of Oil and Gas

OCT 22 2025

WV Department of
Environmental Protection

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

www.arsenalresources.com 12/05/2025