



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 211
47-033-06107-00-00

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 'Jason Harmon'.

H. Jason Harmon
Acting Chief

Operator's Well Number: GAMELLI 211
Farm Name: JAMES T. GAMELLI ET AL
U.S. WELL NUMBER: 47-033-06107-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/21/2025

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 211 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: 23,900'
- 11) Proposed Horizontal Leg Length: 15,789'
- 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 Kittaning-538', M Kittaning-617', L Kittaning-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# 204820

7500^{sq}

9/25/2025

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Office of Oil and Gas

SEP 29 2025

WV Department of
Environmental Protection

Jeff A Propst

8-28-2025

WW-6B
(04/15)

API NO. 47-033 **4703306107**
 OPERATOR WELL NO. Gamelli 211
 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	23,900	23,900 ✓	TOC @ 2,300
Tubing							
Liners							

Jeff A Propat

8-18-2025

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:

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.

SEP 29 2025

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 Propst

8-28-2025

Page 3 of 3

10/24/2025

Area of Review Report - Gamelli Pad, 211 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
Vincent 1	033-02537 ✓	Greylock Conventional, LLC	Existing	39.262731	-80.206049	4,465	Benson	NA
Judy M Osborn 1	033-02975 ✓	WV Mineral Group, LLC	Existing	39.26783	-80.214298	4,305	Benson	Riley, Balltown, Fifth
George Faris Heirs 21	033-02959 ✓	Diversified Production, LLC	Existing	39.273325	-80.216541	4,401	Benson	NA
G T Faris et al 2	033-00224 ✓	NA	Plugged	39.271231	-80.217167	2,320	Fifth	NA
Oral Lake Fishing Club 1	033-02183 ✓	Diversified Production, LLC	Existing	39.27855	-80.216729	4,382	Benson	Big Injun
Lakeland Development 1	033-03007 ✓	Diversified Production, LLC	Existing	39.282041	-80.219337	4,315	Benson	Riley
L L & J R Lang 1	033-03118 ✓	Diversified Production, LLC	Existing	39.285521	-80.223442	4,354	Benson	NA
Lloyd & James Lang 2	033-03125 ✓	Diversified Production, LLC	Existing	39.289872	-80.224563	4,499	Benson	NA
Lloyd L & James R Lang 1	033-02974 ✓	Diversified Production, LLC	Existing	39.294269	-80.223631	4,500	Benson	NA

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 SEP 29 2025
 WV Department of
 Environmental Protection

4703306107

470330610

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 #211



Operator Name: **Arsenal Resources**

DEP
Use
Only

Permit #

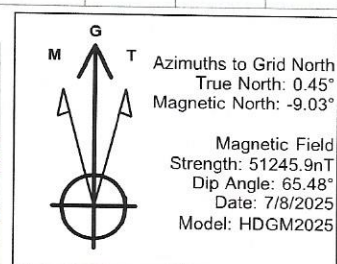
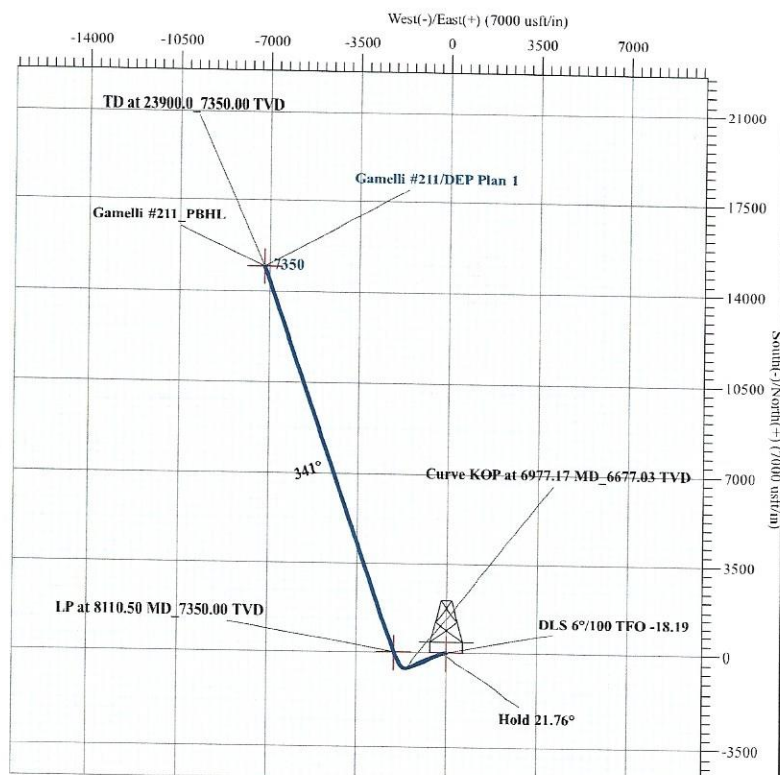
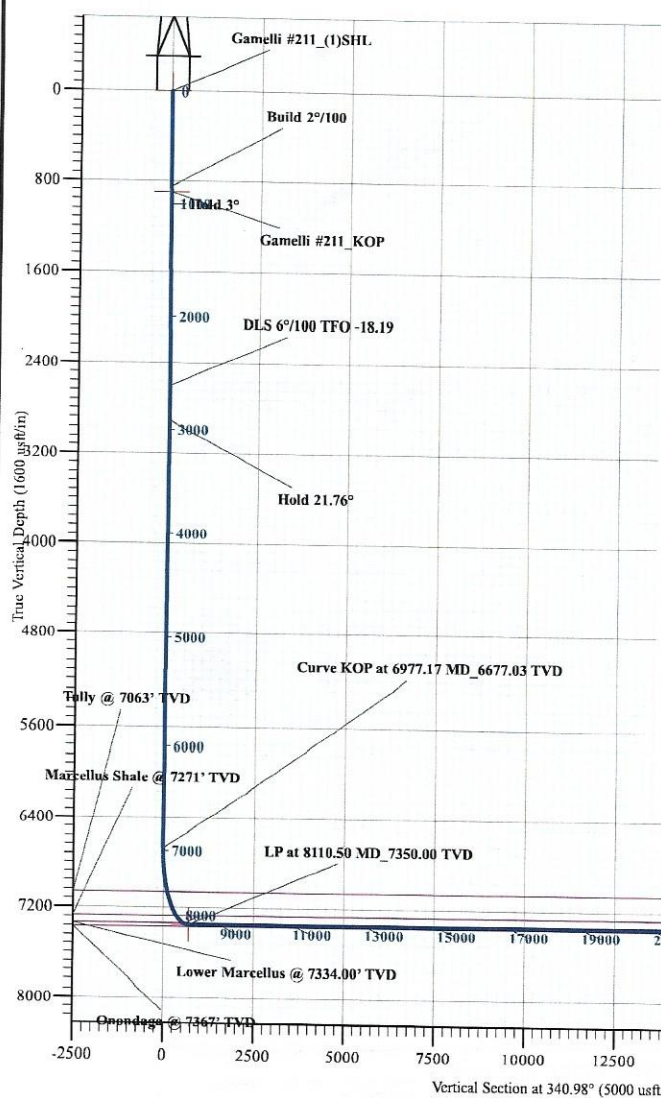
Well/Farm Name: **Gamelli Pad**

NOTES:

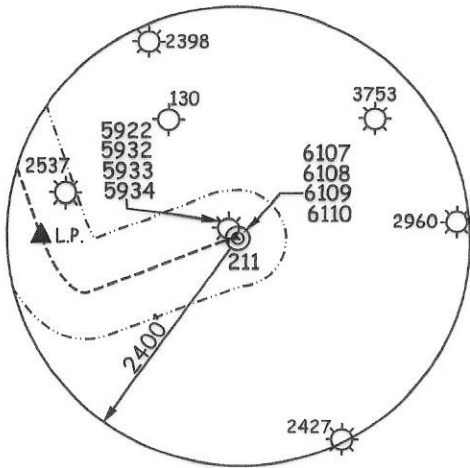
Name	TVD	Latitude	Longitude	TMD
Gamelli #211 (1)SHL	0.0	39.2610724°N	80.2036203°W	0.00
Gamelli #211_KOP	900.0	39.2610724°N	80.2036203°W	900.00
Gamelli #211_LP	7350.0	39.2610974°N	80.2108419°W	8111.4
Gamelli #211_PBHL	7350.0	39.3019636°N	80.2294457°W	23900.00

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	
1050.0	3.00	265.00	1049.9	-0.3	-3.9	2.00	265.00	1.0	
2602.2	3.00	265.00	2600.0	-7.4	-84.8	0.00	0.00	20.6	DLS 6°/100 TFO -18.19
2917.4	21.78	249.20	2906.6	-29.1	-148.3	6.00	-18.16	20.8	Hold 21.76°
6978.1	21.78	249.20	6677.3	-564.2	-1557.1	0.00	0.00	0.00	Curve KOP at 6977.17 MD_6677.03 TVD
8111.4	90.00	340.98	7350.0	25.2	-2044.6	8.00	91.65	690.2	LP at 8110.50 MD_7350.00 TVD
23900.0	90.00	340.98	7350.0	14951.5	-7191.2	0.00	0.00	16478.8	TD at 23900.0_7350.00 TVD



10/24/2025

ARSENAL RESOURCES
GAMELLI PAD
WELL 211

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	110.18'	66.91'	66.88'	S 87°21' W
C2	239.23'	72.05'	71.78'	N 66°00' W
C3	577.66'	201.06'	200.05'	N 45°10' W
C4	1581.61'	474.88'	473.10'	N 26°54' 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. 277,983.66	E. 1,769,273.11
NAD'83 GEO.	LAT-(N) 39.261072	LONG-(W) 80.203620
NAD'83 UTM (M)	N. 4,346,050.91	E. 568,706.22

LANDING POINT

NAD'83 S.P.C.(FT)	N. 278,008.6	E. 1,767,229.1
NAD'83 GEO.	LAT-(N) 39.261097	LONG-(W) 80.210840
NAD'83 UTM (M)	N. 4,346,048.1	E. 568,083.4

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 292,935.8	E. 1,762,083.4
NAD'83 GEO.	LAT-(N) 39.301966	LONG-(W) 80.229440
NAD'83 UTM (M)	N. 4,350,569.9	E. 566,440.0

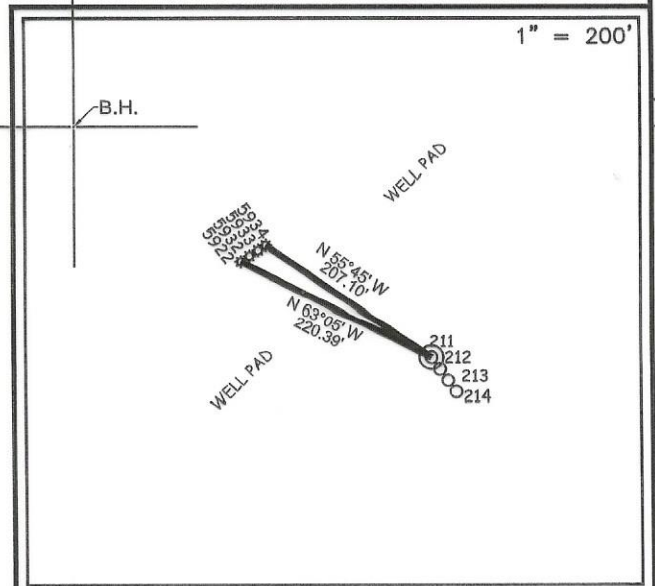
T.H. LONGITUDE 80°10'00"
B.H. LONGITUDE 80°12'30"

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'

REFERENCES

1" = 200'



12 Vanhook Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.5952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
sllwv.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. 211

API WELL NO. 47 - 033 - 06107
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8597P211R2-091525.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 ☒ 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. 10/24/2025

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: 23,900'

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

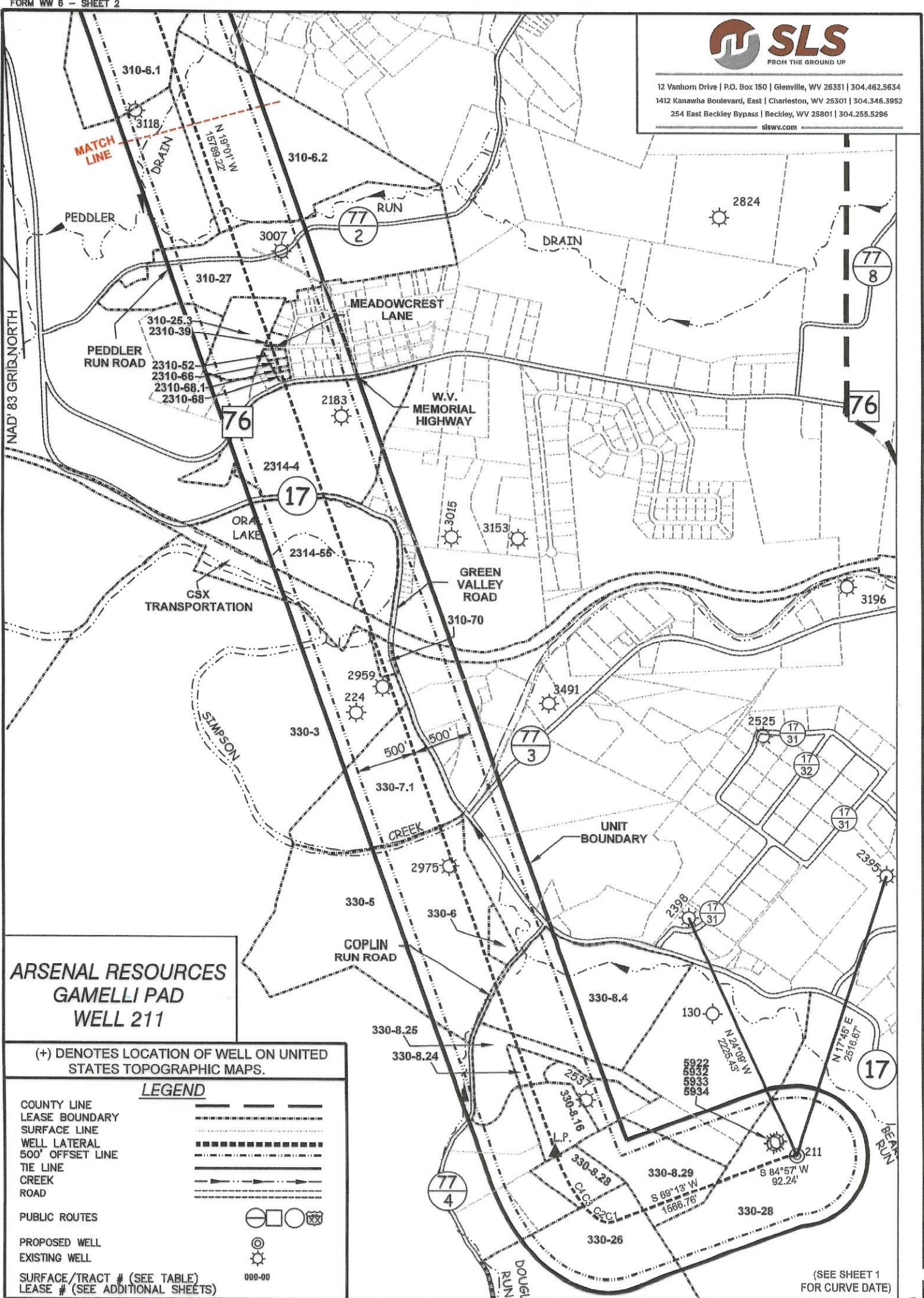
COUNTY NAME

PERMIT



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

NAD 83 GRID NORTH



ARSENAL RESOURCES GAMELLI PAD WELL 211

(+) 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)	---

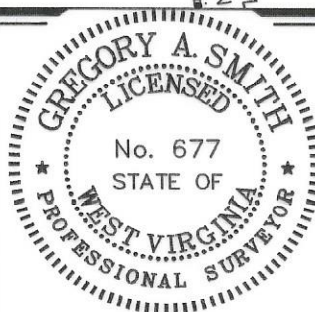
SCALE 1" = 1000' FILE NO. 8597P211R2-091525.dwg

DATE SEPTEMBER 15, 2025

REVISED

OPERATORS WELL NO. 211

API WELL NO. 47 — 033 — 06107
 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

COUNTY NAME	PERMIT



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TAG-PARCEL	SURFACE OWNER	ACRES
330-28	JAMES GAMELLI ET AL	151.20
330-8.29	DAVID A. VELTRI	13.41
330-26	SCOT S & LYNN B DIERINGER	172.93
330-8.28	ANDREW & AMY SIMSA	5.09
330-8.16	JOHN L DEPOLO	6.00
330-8.24	SAINT SHERPA LLC	1.93
330-8.25	SAINT SHERPA LLC	8.90
330-8.4	DENNY HAROLD VINCENT	29.9
CREEK	DOUGLAS RUN	N/A
ROAD	CO.RT. 77/4-COPLIN RUN ROAD	N/A
330-5	JUDY M OSBORN (LE)	70.00
CREEK	SIMPSON CREEK	N/A
330-6	ALICE HANEY	1.50
330-7.1	KEDS LLC & C E COMPTON TRUST ETAL	20.98
330-3	CAROLYN S HARRON	342.57
310-70	HARRISON RURAL ELECTRIFICATION ASSOC INC	1.00
RAILROAD	CSX TRANSPORTATION	N/A
2314-55	ORAL FISHING CLUB	23.91
CREEK	ORAL LAKE	N/A
ROAD	CO.RT. 17-ORAL LAKE ROAD	N/A
2314-4	ORAL FISHING CLUB	35.54
ROAD	WV RT 76-WV VETERANS MEMORIAL HIGHWAY	N/A
2310-68	GREATER HARRISON COUNTY PUBLIC SERVICE DISTRICT	0.18
2310-68.1	SHIRLEY JOANN GUZZI (LE)	0.12
2310-66	SHIRLEY JOANN GUZZI (LE)	0.24
2310-52	LAURA L ANTILL	0.35
2310-39	RUDOLF H & ANN DIEPHOLZ	0.37
310-25.3	CHARLES K & ANN N MARSH	7.06
310-27	BRADLEY C & EMILY MILLER	40.48
ROAD	CO.R T. 77/2-PEDDLER RUN ROAD	N/A
CREEK	PEDDLER RUN	N/A
310-6.2	BRADLEY C & EMILY MILLER	42.14
310-6.1	MORGAN T DEVELOPMENT LLC	32.70
2433-49	STEPHANIE L LOUK & DEAN MANSON	0.42
2433-48	SEAN G MALEY & LISA R MARSHALL	0.43
2433-47	KEVIN ROBERT SMITH & JANET SIERTSEMA-SMITH	0.46
2433-46	FRANCIS O III & JACQUELINE S PETHTEL	0.43
2433-45	LAUREN SIMONE BROWN & WESLEY EMANUEL SR	0.39
ROAD	GARNET WAY	N/A
2433-30	JOHN R III & JULIA A MINNOCCI	0.42
2433-1.3	CRYSTAL RIDGE DEVELOPMENT INC	0.24
2433-29	CRYSTAL RIDGE HOMEOWNERS ASSOCIATION INC	0.58
2433--26	CRYSTAL RIDGE HOMEOWNERS ASSOCIATION INC	0.52
2433-25	CRYSTAL RIDGE HOMEOWNERS ASSOCIATION INC	0.47
ROAD	EMERALD DRIVE	N/A
2433-2	BEHZAD A & ANGEL L KHOSA	0.53
2433-1	CRYSTAL RIDGE HOMEOWNERS ASSOCIATION INC	0.62
ROAD	U.S. RT. 50-NORTHWESTERN TURNPIKE	N/A
290-60.1	ENERGY PLAZA PARTNERS LLC	2.00
290-60	ENERGY PLAZA PARTNERS LLC	18.73
290-34.3	BENEDUM AIRPORT AUTHORITY	5.24
290-34	BENEDUM AIRPORT AUTHORITY	20.14
290-33	BENEDUM AIRPORT AUTHORITY	98.07
290-33.2	BENEDUM AIRPORT AUTHORITY	1.60
290-21	BENEDUM AIRPORT AUTHORITY	74.62
290-33.5	BENEDUM AIRPORT AUTHORITY	9.45
ROAD	CO. RT. 50/83-AVIATION WAY	N/A

FILE NO. 8597P211R2-091525.dwg

DATE SEPTEMBER 15, 20 25

REVISED

OPERATORS WELL NO. 211

API WELL NO. 47 — 033 — 06107

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

Attachment to WW-6A1, GAMELLI 211

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
00007205 47-033-15-330-28	JAMES T GAMELLI	MAR KEY LLC	12.5+%	1576/220	149.44
00007225 47-033-15-330-28	EDWIN L KING	MAR KEY LLC	12.5+%	1576/507	149.44
00007888 47-033-15-330-8.29 47-033-15-330-8.28	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	
00007971 47-033-15-330-8.29 47-033-15-330-8.28	CATHERINE M DEPOLO REV TRUST	MAR KEY LLC	12.5+%	1600/579	33.5
00004022 47-033-15-330-26	MARY ALICE HAFER	Petroleum Development Corp	12.5+%	1048/294	252.03
	Petroleum Development Corp	PDC Mountaineer LLC		1440/364	
	PDC Mountaineer LLC	River Ridge LLC		59/1263	
00004022 47-033-15-330-26	WILLIAM D COURTNEY ET AL		12.5+%	1064/1090	172.71
	Petroleum Development Corp	PDC Mountaineer LLC		1440/364	
	PDC Mountaineer LLC	River Ridge LLC		59/1263	
00007888 47-033-15-330-8.16 47-033-15-330-8.24 47-033-15-330-8.25	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	
00007890 47-033-15-330-8.16 47-033-15-330-8.24 47-033-15-330-8.25	EILEENE LUCAS AND EDWARD LUCAS	NRM Petroleum	12.5+%	1079/812	33.5
	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	

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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
00003703 47-033-15-330-5	J EARL TETER ET AL	Petro-Lewis Corporation	12.5+%	1062/405	116.5
	Petro-Lewis Corporation	Partnership Properties Co		1072/213	
	Partnership Properties Co	Eastern American Energy Corp		1124/449	
	Eastern American Energy Corp	Petroleum Development Corporation		1134/83	
	Petroleum Development Corporation	PDC Mountaineer, LLC		1440/364	
	PDC Mountaineer, LLC	River Ridge Energy, LLC		59/1263	
00003704 47-033-15-330-5	GOBEL OSBORN ET AL	Petroleum Development Corporation	12.5+%	1074/420	70
	Petroleum Development Corporation	PDC Mountaineer, LLC		1440/364	
	PDC Mountaineer, LLC	River Ridge Energy, LLC		59/1263	
00003703 47-033-15-330-6	J EARL TETER ET AL	Petro-Lewis Corporation	12.5+%	1062/405	116.5
	Petro-Lewis Corporation	Partnership Properties Co		1072/213	
	Partnership Properties Co	Eastern American Energy Corp		1124/449	
	Eastern American Energy Corp	Petroleum Development Corporation		1134/83	
	Petroleum Development Corporation	PDC Mountaineer, LLC		1440/364	
	PDC Mountaineer, LLC	River Ridge Energy, LLC		59/1263	

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00003704 47-033-15-330-6	GOBEL OSBORN ET AL	Petroleum Development Corporation	12.5+%	1074/420	70
	Petroleum Development Corporation	PDC Mountaineer, LLC		1440/364	
	PDC Mountaineer, LLC	River Ridge Energy, LLC		59/1263	
00008777 47-033-15-330-6	RICHARD H VINCENT	MAR KEY LLC	12.5+%	1639/632	1.5
00008778 47-033-15-330-6	JANET A PARKS	MAR KEY LLC	12.5+%	1639/634	1.5
00008785 47-033-15-330-6	ALICE M HANEY	MAR KEY LLC	12.5+%	1639/651	1.5
00008786 47-033-15-330-6	HARLEY W VINCENT	MAR KEY LLC	12.5+%	1639/653	1.5
00008806 47-033-15-330-6	MYRNA S VECCHIO	MAR KEY LLC	12.5+%	1639/816	1.5
00008819 47-033-15-330-6	ROBERT E HARRIS	MAR KEY LLC	12.5+%	1652/228	1.5
00009414 47-033-15-330-7.1	DARREL R RICHARDS	MAR KEY LLC	12.5+%	1794/1338	42.7035
00009415 47-033-15-330-7.1	DAVID E BOWYER	MAR KEY LLC	12.5+%	1794/1334	42.7035
00008352 47-033-15-330-3 47-033-15-310-70	GEORGE T FARIS ET AL	Delaware Gas Company	12.5+%	820/128	1528.9
	Delaware Gas Company	Creslenn Oil Company		897/279	
	Creslenn Oil Company	Deminex Oil Corporation		see Delaware Secretary of State site for name change documents	
	Deminex Oil Corporation	Deminex U.S. Oil Company		see Delaware Secretary of State site for name change documents	
	Deminex U.S. Oil Company	Southwest Exploration And Acquisition Company		see Delaware Secretary of State site for name change documents	
	Southwest Exploration And Acquisition Company	Southwest Royalties Inc		see Delaware Secretary of State site for name change documents	
	Southwest Royalties Inc	HG Energy II Appalachia		1605/194	
	HG Energy II Appalachia	Mar Key, LLC		1611/595	

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00009426 RAILROAD	CSX TRANSPORTATION INC	MAR KEY LLC	12.5+%	1794/1330	22.8
00003832 47-033-15-2314-4 47-033-15-2314-55	ORAL FISHING CLUB	PETROLEUM DEVELOPMENT	12.5+%	1071/704	66.95
	PETROLEUM DEVELOPMENT CORP	PDC MOUNTAINEER LLC		1440/364	
	PDC MOUNTAINEER LLC	River Ridge Energy, LLC		59/1263	
00008980 47-033-15-2310-68	GREATER HARRISON CO PUBLIC SERVICE DIST	MAR KEY LLC	12.5+%	1747/924	0.22
47-033-15-2310-68.1	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING		
47-033-15-2310-66	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING		
47-033-15-2310-52	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING		
00008973 47-033-15-2310-39	RUDOLF H DIEPHOLZ ET UX	MAR KEY LLC	12.5+%	1745/336	0.77
47-033-15-310-25.3	UNLEASED	ROYALTY OWNER SUBJECT TO	UNITIZATION FILING		
00004235 47-033-15-310-27 EASTERN SIDE OF PARCEL PEDDLER RUN ROAD	FRANK DEPOLO	H&T ENERGY DEVELOPMENT INC	12.5+%	1130/658	6.8
	H&T ENERGY DEVELOPMENT INC	SHELDON AND SHELDON		1134/178	
	SHELDON AND SHELDON	PETROLEUM DEVELOPMENT CORP		1135/421	
	PETROLEUM DEVELOPMENT CORP	PDC MOUNTAINEER LLC		1440/364	
	PDC MOUNTAINEER LLC	River Ridge Energy, LLC		59/1263	
00003828 47-033-15-310-27 WESTERN SIDE OF PARCEL AND PEDDLER RUN RD	LAKELAND DEVELOPMENT COMPANY	PETROLEUM DEVELOPMENT CORP	12.5+%	1136/53	31.35
	PETROLEUM DEVELOPMENT CORP	PDC MOUNTAINEER LLC		1440/364	
	PDC MOUNTAINEER LLC	River Ridge Energy, LLC		59/1263	

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00003415 GARNETT WAY AND EMERALD DRIVE 47-033-15-310-6.1 47-033-15-310-6.2 47-033-16-2433-45, 46, 47, 48, 49 47-033-16-2433-1.3, 25, 26, 29, 30 47-033-16-2433-1, 2	LLOYD L LANG ET AL	PETROLEUM DEVELOPMENT CORP	12.5+%	1142/876	133.8
	PETROLEUM DEVELOPMENT CORP	PDC MOUNTAINEER LLC		1440/364	
	PDC MOUNTAINEER LLC	River Ridge Energy, LLC		59/1263	
00003532 47-033-15-290-60 AND 60.1	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 AVIATION WAY AND 47-033-16-290-34 AND 34.3 AND 33 AND 33.2 AND 21 AND 33.5	CHRISTOPHER CORDER HULL	MAR KEY LLC	12.5+%	1744/986	362.15
00008942 AVIATION WAY AND 47-033-16-290-34 AND 34.3 AND 33 AND 33.2 AND 21 AND 33.5	KIMBERLEY D IZOLD	MAR KEY LLC	12.5+%	1744/984	459.38

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

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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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10/24/2025