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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, February 25, 2026  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

ARSENAL RESOURCES LLC  
6031 WALLACE RD. EXT. SUITE 200  
WEXFORD, PA 15090

Re: Permit Modification Approval for HOMER 202  
47-091-01394-00-00

**Extended Lateral**

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, appearing to read 'Jason Harmon', is written in a cursive style.

H. Jason Harmon  
Acting Chief

Operator's Well Number: HOMER 202  
Farm Name: ATLAS SHRUGGING LLC  
U.S. WELL NUMBER: 47-091-01394-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 2/25/2026

Promoting a healthy environment.

02/27/2026

WW-6B  
(04/15)

API NO. 47-091 -  
OPERATOR WELL NO. Homer 202  
Well Pad Name: Fiber II

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

1) Well Operator: Arsenal Resources 494519412 Taylor Fleming Rosemont  
Operator ID County District Quadrangle

2) Operator's Well Number: Homer 202 Well Pad Name: Fiber II

3) Farm Name/Surface Owner: Atlas Shrugging LLC Public Road Access: WV 76

4) Elevation, current ground: 1208' Elevation, proposed post-construction: 1187'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_  
Other \_\_\_\_\_

(b) If Gas Shallow  Deep \_\_\_\_\_  
Horizontal  \_\_\_\_\_

*MSDK 1/14/2026*

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus Shale, 7,633' (TVD Top) - 7,723' (TVD Bottom), 90 ft, 0.5 psi/ft

8) Proposed Total Vertical Depth: 7,708'

9) Formation at Total Vertical Depth: Marcellus Shale

10) Proposed Total Measured Depth: 31,274'

11) Proposed Horizontal Leg Length: 23,194'

12) Approximate Fresh Water Strata Depths: 60', 85', 200', 630', 810', 892'

13) Method to Determine Fresh Water Depths: Offsetting well reported water depths (091-00102, 091-00586, 091-00607, 091-00721)

14) Approximate Saltwater Depths: 1065'

15) Approximate Coal Seam Depths: Harlem-364', Brushcreek-534', Lower Freeport-654', Upper Kittanning-724', Middle Kittanning-774', Clarion-834'

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: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
FEB 11 2026  
WV Department of  
Environmental Protection

*OK #205376  
2500*

WW-6B  
(04/15)

API NO. 47- 091 - \_\_\_\_\_  
 OPERATOR WELL NO. Homer 202  
 Well Pad Name: Fiber II

18)

**CASING AND TUBING PROGRAM**

<u>TYPE</u>	<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	80	80	CTS
Fresh Water	13.375	New	J-55	54.5	950	950	CTS
Coal							
Intermediate	9.625	New	J-55	40	1,500	1,500	CTS
Production	5.5	New	P-110	23	31,274	31,274	TOC @ 1,350
Tubing							
Liners							

*MDK 1/14/2026*

<u>TYPE</u>	<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 <sub>2</sub>	1.2
Fresh Water	13.375	17.5	0.38	2,730	900	Class A/L, 3% CaCl <sub>2</sub>	1.2
Coal							
Intermediate	9.625	12.25	0.395	3,950	1,500	Class A/L, 3% CaCl <sub>2</sub>	1.29
Production	5.5	8.5-8.75	0.415	14,520	9,500	Class A/L, Poz	1.29/1.34
Tubing							
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

WW-6B  
(10/14)

API NO. 47-091 -  
OPERATOR WELL NO. Homer 202  
Well Pad Name: Fiber II

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): 28.54

22) Area to be disturbed for well pad only, less access road (acres): 10.68

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 1,700'; there will be no centralizers from 1,700' 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% CaCl<sub>2</sub> (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 1,350' (+/- 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:

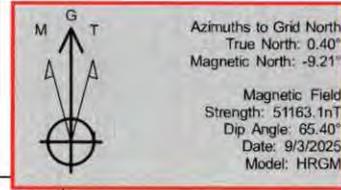
Top holes will be drilled with fresh water KOP. At KOP, the wellbore will be loaded with synthetic oil based mud, barite-weighted mud system with such properties as to build a filter-cake on the face of the bore-hole. This will provide lubricity as well as stabilizing the well bore. We will begin rotating 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.

Plan #5



Project: Taylor Co, WV (NAD83 - WV N)  
 Site: Homer Pad  
 Well: Homer 202  
 Wellbore: OH  
 Design: Plan #5  
 Lat: 39.254846  
 Long: -80.130387  
 GL: 1187.00  
 KB: RKB @ 1214.00usft



WELL DETAILS: Homer 202

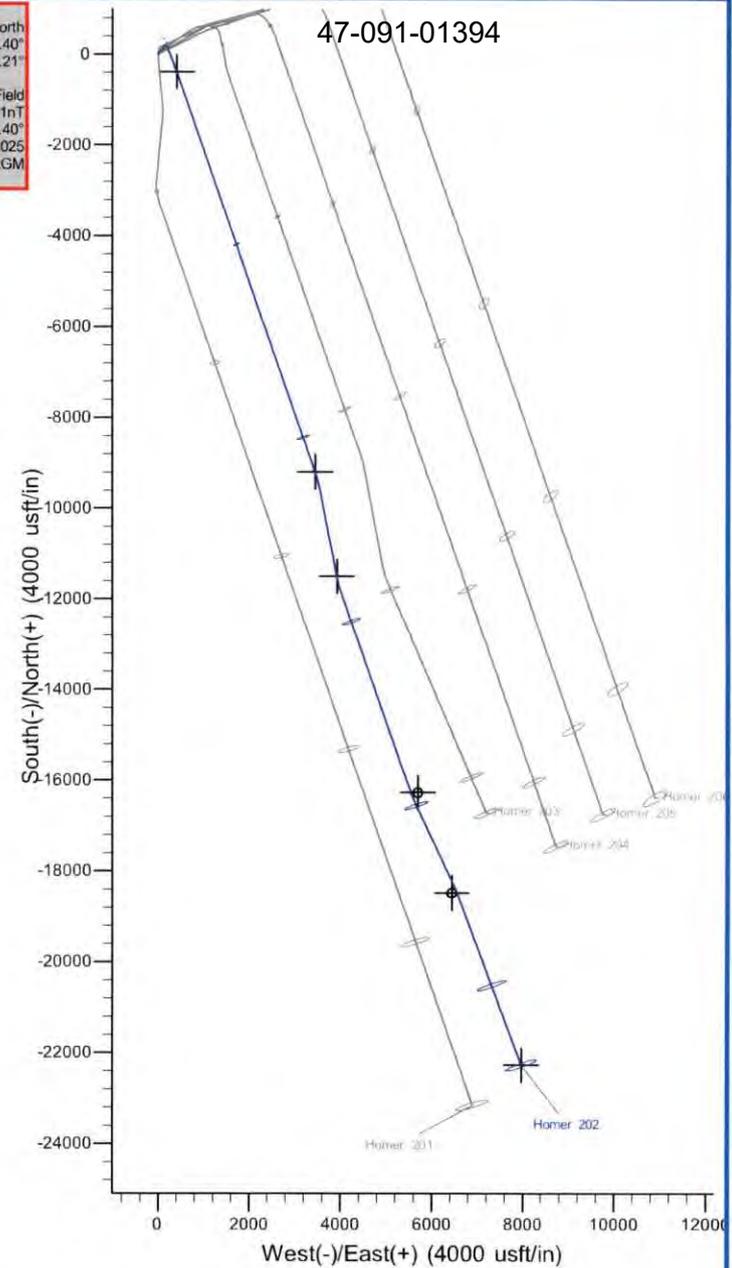
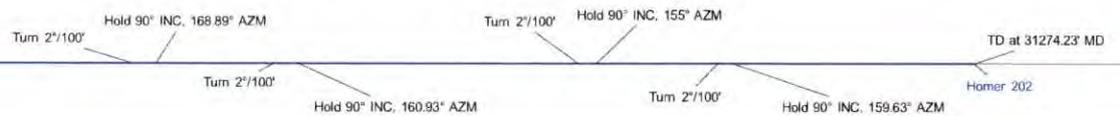
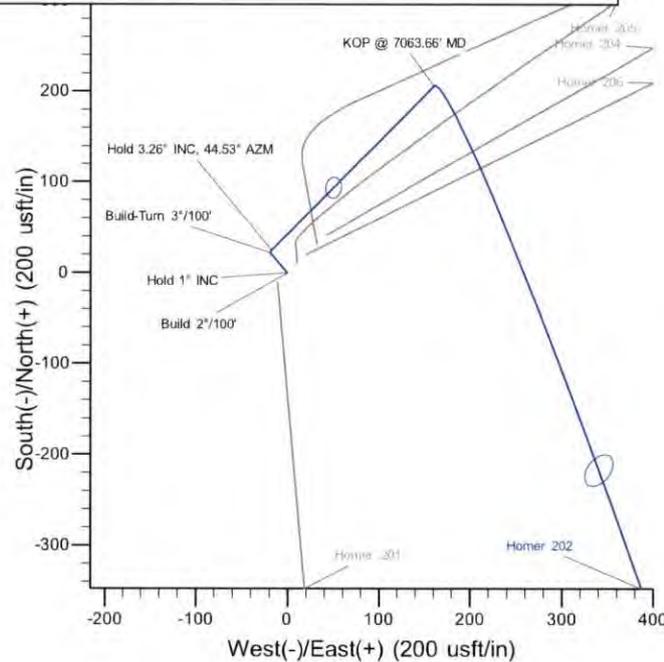
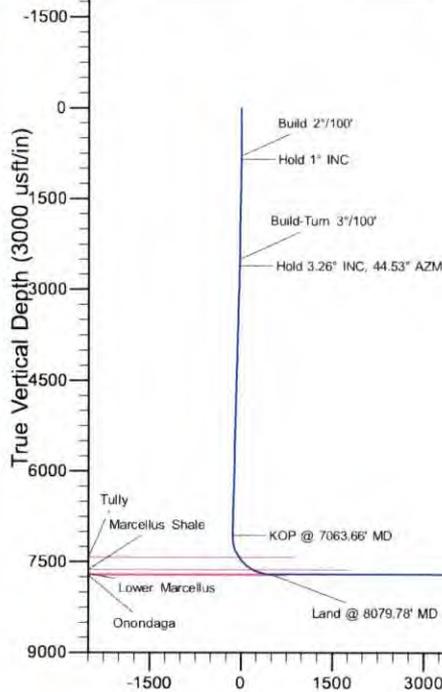
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	275561.95	1789992.52	39.254846	-80.130387

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	360.00	800.00	0.00	0.00	0.00	360.00	0.00	Build 2"/100'
850.00	1.00	320.00	850.00	0.33	-0.28	2.00	320.00	-0.41	Hold 1" INC
2500.25	1.00	320.00	2500.00	22.40	-18.79	0.00	0.00	-27.31	Build-Turn 3"/100'
2610.95	3.26	44.53	2610.63	25.38	-17.20	3.00	101.96	-29.61	Hold 3.26" INC, 44.53° AZM
7063.66	3.26	44.53	7056.12	206.09	160.58	0.00	0.00	-142.32	KOP @ 7063.66' MD
8079.78	90.00	160.93	7708.00	-384.51	399.99	9.00	116.36	494.10	Land @ 8079.78' MD
17399.45	90.00	160.93	7708.00	-9192.79	3444.76	0.00	0.00	9813.77	Turn 2"/100'
17797.67	90.00	168.89	7708.00	-9576.97	3548.34	2.00	90.00	10210.71	Hold 90° INC, 168.89° AZM
19756.81	90.00	168.89	7708.00	-11499.41	3925.74	0.00	0.00	12150.96	Turn 2"/100'
20154.98	90.00	160.93	7708.00	-11883.55	4029.30	2.00	-90.00	12547.85	Hold 90° INC, 160.93° AZM
24754.98	90.00	160.93	7708.00	-16231.10	5532.23	0.00	0.00	17147.85	Turn 2"/100'
25051.48	90.00	155.00	7708.00	-16505.82	5643.42	2.00	-90.00	17443.82	Hold 90° INC, 155° AZM
27051.48	90.00	155.00	7708.00	-18318.44	6488.65	0.00	0.00	19433.12	Turn 2"/100'
27282.89	90.00	159.63	7708.00	-18531.88	6577.88	2.00	90.00	19664.00	Hold 90° INC, 159.63° AZM
31274.23	90.00	159.63	7708.00	-22273.58	7967.31	0.00	0.00	23654.32	TD at 31274.23' MD

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
7433.00	7463.93	Tully
7633.00	7767.43	Marcellus Shale
7702.00	7992.25	Lower Marcellus



Vertical Section at 160.93° (3000 usft/in)

## Area of Review Report - Fiber II Pad, Homer 202 Lateral, Taylor County, WV

Well Name	API Number	Operator Name / Address	Well Type	Latitude	Longitude	Total Depth	Perforated Formation(s)	Producing Zones not Perforated
Norman C Drainer 2	091-00721	WV Mineral Group, LLC	Existing	39.25043	-80.128163	4,222	Riley	NA
Norman C Drainer 1	091-00720	WV Mineral Group, LLC	Existing	39.247628	-80.124806	4,578	Benson	Riley, Fourth
Clagnet H Ross 1	091-00086	WV Mineral Group, LLC	Existing	39.243087	-80.123897	4,650	Benson	Riley
WV Mineral Group, LLC	001-02384	The Galloway Co 1A	Existing	39.237622	-80.121365	4,690	Benson	NA
Agnes Honce 1	001-00632	WV Mineral Group, LLC	Existing	39.22766	-80.117066	4,365	Benson	NA
V & J Talbott 1	001-00666	Diversified Production, LLC	Existing	39.206751	-80.10763	4,689	Benson	Riley
D H Patsey et al 1	001-00392	WV Mineral Group, LLC	Existing	39.194556	-80.10327	4,902	Benson	Riley

**ARSENAL RESOURCES LLC  
FIBER II PAD  
HOMER 202**

T.H. LATITUDE 39°17'30"  
B.H. LATITUDE 39°12'30"

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)		
NAD'83 S.P.C.(FT)	N. 275,561.96	E. 1,789,992.50
NAD'83 GEO.	LAT-(N) 39.254846	LONG-(W) 80.130387
NAD'83 UTM (M)	N. 4,345,418.05	E. 575,031.02
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 275,177.1	E. 1,790,392.3
NAD'83 GEO.	LAT-(N) 39.253797	LONG-(W) 80.128966
NAD'83 UTM (M)	N. 4,345,302.8	E. 575,154.8
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 253,290.3	E. 1,797,959.1
NAD'83 GEO.	LAT-(N) 39.193849	LONG-(W) 80.101728
NAD'83 UTM (M)	N. 4,338,672.9	E. 577,570.9

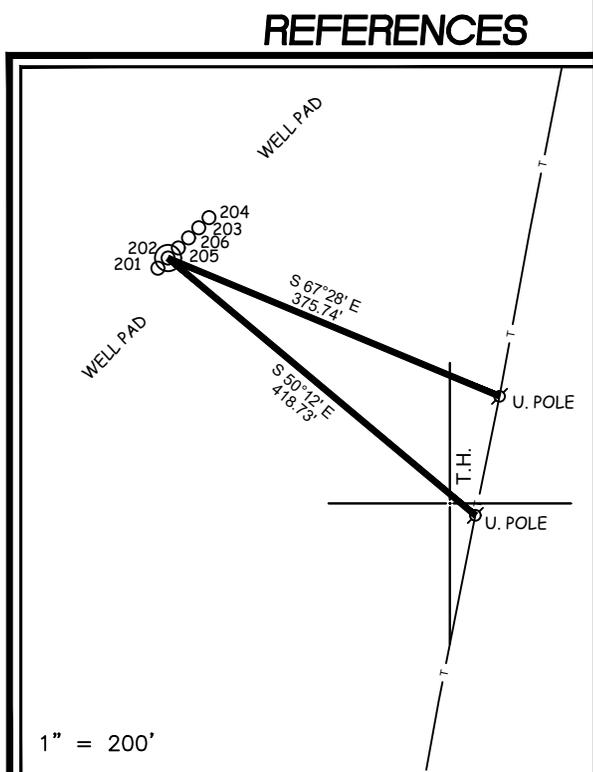
T.H. LONGITUDE 80°07'30"  
B.H. LONGITUDE 80°05'00"  
5,276' B.H.  
13,411' T.H.

**LEGEND**

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- 500' OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP--PARCEL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-6A1)

LINE	BEARING	DISTANCE
L1	N 39°54' W	30.22'
L2	N 44°32' E	256.35'
L3	S 69°15' E	5.72'
L4	S 19°04' E	680.36'
L5	S 19°04' E	9316.90'
L6	S 11°07' E	1599.89'
L7	S 19°04' E	4199.60'
L8	S 25°00' E	1948.27'
L9	S 20°22' E	3990.80'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	591.63'	109.73'	109.57'	S 26°52' E
C2	8221.23'	524.67'	524.58'	S 20°36' E
C3	3710.84'	602.48'	601.82'	S 13°46' E
C4	3895.64'	800.08'	798.67'	S 15°32' E
C5	3902.24'	451.41'	451.16'	S 21°01' E
C6	3159.65'	282.85'	282.76'	S 23°07' E



**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'

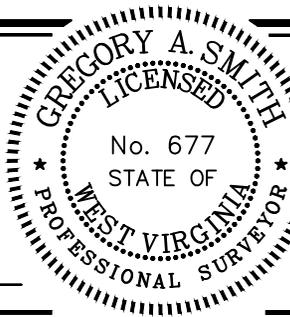


12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296

slsww.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 FEBRUARY 3, 2026  
REVISED \_\_\_\_\_, 20\_\_\_\_  
OPERATORS WELL NO. 202  
API WELL NO. 47 — 091 — 01394  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9205P202-020326.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 1,187.00' WATERSHED SIMPSON CREEK  
DISTRICT FLEMINGTON COUNTY TAYLOR QUADRANGLE ROSEMONT

SURFACE OWNER ATLAS SHRUGGING LLC ACREAGE 897.36±  
ROYALTY OWNER CHESTER AND FRANCES SINSEL & A. BROOKS FLEMING ET AL ACREAGE 571.85± **02/27/2026**

**PROPOSED WORK:** LEASE NO. SEE WW-6A1  
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH TMD 31,274' / TVD 7,708'

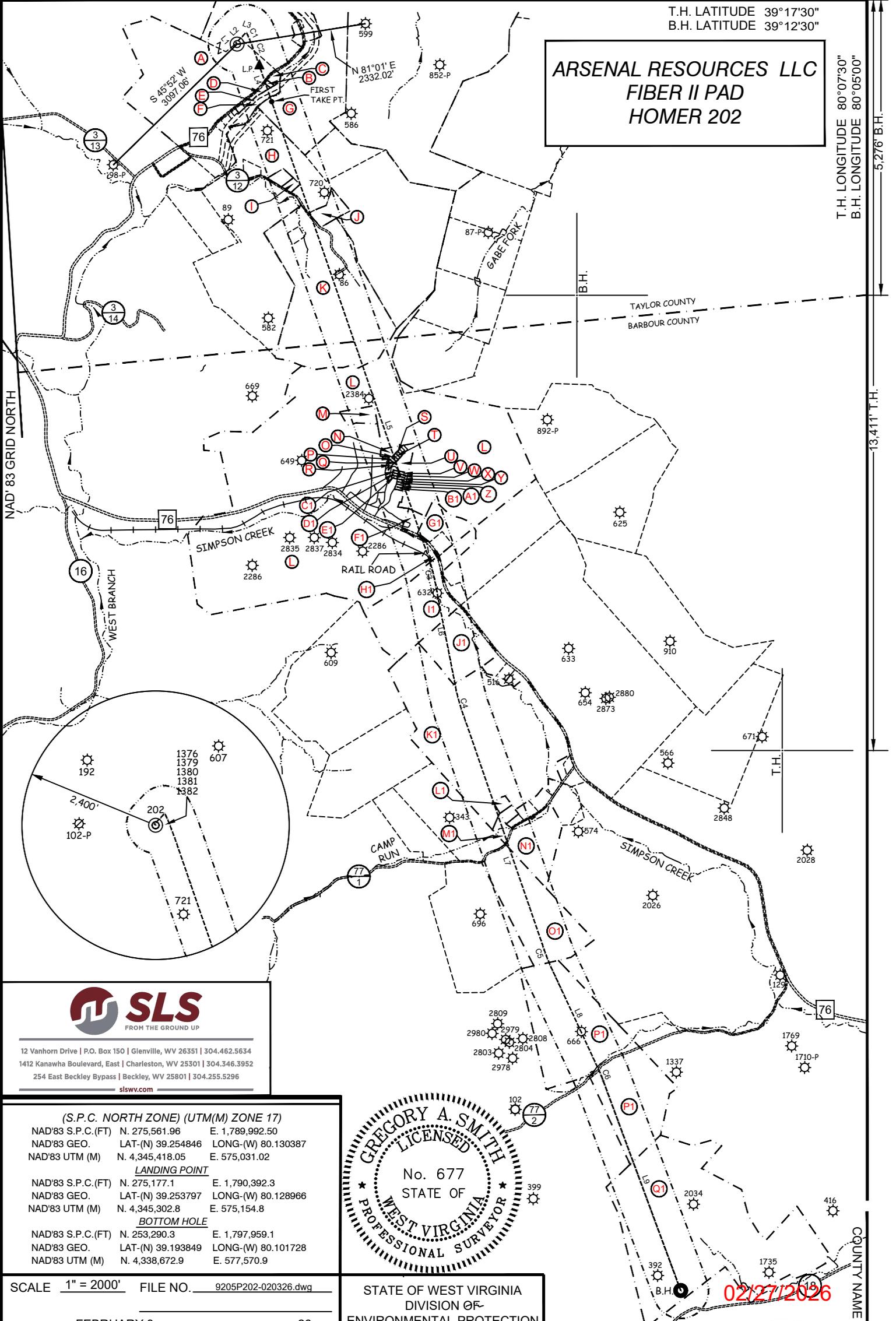
**WELL OPERATOR** ARSENAL RESOURCES **DESIGNATED AGENT** ERIC MORRIS  
**ADDRESS** 6031 WALLACE RD. EXT. SUITE 200 **ADDRESS** 633 WEST MAIN STREET  
WEXFORD, PA 15090 BRIDGEPORT, WV 26330

COUNTY NAME  
PERMIT

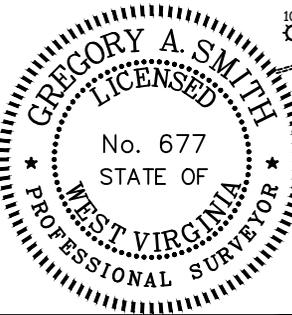
T.H. LATITUDE 39°17'30"  
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**ARSENAL RESOURCES LLC  
FIBER II PAD  
HOMER 202**

T.H. LONGITUDE 80°07'30"  
B.H. LONGITUDE 80°05'00"



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<b>(S.P.C. NORTH ZONE) (UTM(M) ZONE 17)</b>			
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NAD'83 GEO.	LAT-(N) 39.254846	LONG-(W) 80.130387	
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<b>BOTTOM HOLE</b>			
NAD'83 S.P.C.(FT)	N. 253,290.3	E. 1,797,959.1	
NAD'83 GEO.	LAT-(N) 39.193849	LONG-(W) 80.101728	
NAD'83 UTM (M)	N. 4,338,672.9	E. 577,570.9	

SCALE	1" = 2000'	FILE NO.	9205P202-020326.dwg
DATE	FEBRUARY 3		, 20 26
REVISED			, 20
OPERATORS WELL NO.	202		
API WELL NO.	47	091	01394
NO.	STATE	COUNTY	PERMIT

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



P.S. 677 *Gregory A. Smith*  
02/27/2026  
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WELL OPERATOR	ARSENAL RESOURCES	DESIGNATED AGENT	ERIC MORRIS
ADDRESS	6031 WALLACE RD. EXT. SUITE 200 WEXFORD, PA 15090	ADDRESS	633 WEST MAIN STREET BRIDGEPORT, WV 26330

COUNTY NAME  
PERMIT

**ARSENAL RESOURCES LLC  
FIBER II PAD  
HOMER 202**



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slswv.com

TAG	PARCEL	SURFACE OWNER	ACREAGE
A	4-11-1	ATLAS SHRUGGING LLC	897.36
ROAD	N/A	W.V. RT. 76	N/A
B	4-9-57	WILLIAM C & CRYSTAL BRAKE	1
C	UNKNOWN	N/F HARRY PYLES	1
D	4-8-93	DEBORAH S & GARY EUGENE DEVART ET AL	1.65
E	4-9-54	PDC MOUNTAINEER LLC	13.54
F	4-11-20	MAR KEY LLC	11.19
CREEK	N/A	SIMPSON CREEK	N/A
G	4-9-39	WILLIAM CLARK BRAKE ET AL	57.6
H	4-10-1	CLINTON & CANDANCE DRAINER IRR TRUST	124.42
I	4-10-2.2	CHRYSTAL KELLEY	1
ROAD	N/A	CO. RT. 3/12	N/A
J	4-10-1.1	JESSICA RIFFLE	5.02
K	4-10-3	CLINTON & CANDANCE DRAINER IRR TRUST	98.77
L	9-8-1	BECKWITH LUMBER CO INC	444.17
M	9-8A-1	RONALD DALE LAWSON	3.7
ROADS	N/A	MUTIPLE STREETS AND ALLEYS IN GALLOWAY	N/A
ROAD	N/A	CO. RT. 76/3	N/A
N	9-8A-85	N/F THEODORE IAQUINTA HEIRS/ASSIGNS	P/O 34.88
O	9-8A-91	N/F THEODORE IAQUINTA HEIRS/ASSIGNS	HOUSE/LOT 94
P	9-8A-93	WILLARD HOWARD ARBOGAST JR	HOUSE/LOT 93
Q	9-8A-92	DALLAS MAYLE	GALLOWAY LOT
R	9-8A-94	DALLAS & SHIRLEY MAYLE	HOUSE/LOT 92
S	9-8A-89	N/F THEODORE IAQUINTA HEIRS/ASSIGNS	HOUSE/LOT 96
T	9-8A-90	N/F THEODORE IAQUINTA HEIRS/ASSIGNS	HOUSE/LOT 95
U	9-8A-95	N/F THEODORE IAQUINTA HEIRS/ASSIGNS	P/O 34.88
V	9-8A-96	BILLY APPERSON	HOUSE/LOT 118
W	9-8A-97	N/F THEODORE IAQUINTA HEIRS/ASSIGNS	HOUSE/LOT 116
X	9-8A-100	GREGORY A KETTERMAN JR & ANDREA R BOLTZ	HOUSE/LOT 114
Y	9-8A-101	GREGORY A KETTERMAN JR & ANDREA R BOLTZ	HOUSE/LOT 112
Z	9-8A-104	GREGORY KETTERMAN & REGINA HWS	HOUSE/LOT 110
A1	9-8A-105	GREGORY KETTERMAN & REGINA HWS	HOUSE/LOT 108
B1	9-8A-106	GREGORY KETTERMAN & REGINA HWS	HOUSE/LOT 106
C1	9-8A-30	ICIE M TAKACS	HOUSE/LOT 117
D1	9-8A-98	RONALD DALE LAWSON	HOUSE/LOT 115
E1	9-8A-99	DEWAYNE & TRACY KELLEY KNAPP	HOUSE/LOT 113
F1	9-8A-119	DONNA K HORAN	2.497
G1	9-8-1.3	ARK LAND LLC	13.49
RAILROAD	N/A	N/F CSX	N/A
H1	9-8-3	BECKWITH LUMBER CO INC	0.617
I1	9-13-2	BECKWITH LUMBER CO INC	40
J1	9-13-2.1	JOSH SPENCER	22
K1	9-13-23	BECKWITH LUMBER CO INC	413.2
L1	9-13-12.4	ROY A JR & CINDY L PAYNE	1.29
M1	9-13-23.12	RAYMOND & MARY F FARRIS	2
ROAD	N/A	CO. RT. 77/1	N/A
CREEK	N/A	CAMP RUN	N/A
N1	9-13-12.1	MICHAEL GERALD & LISA KAY SMITH	19.803
O1	9-13-11	BRIAN L & REBECCA J WENTZ	43
P1	9-21-3	WAKIM KIMBERLY LUFF REV TR FLANERY SHARON O, TRUSTEE	105
ROAD	N/A	CO. RT. 77/2	N/A
Q1	9-21-20	BRIAN L & REBECCA J WENTZ	157.08

FILE NO. 9205P202-020326.dwg

DATE FEBRUARY 3, 20 26

REVISED \_\_\_\_\_, 20 \_\_\_\_\_

OPERATORS WELL NO. 202

API WELL NO. 47 STATE 091 COUNTY 01394 PERMIT



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



P.S. 677 *Gregory A. Smith*

COUNTY NAME

PERMIT

WELL OPERATOR ARSENAL RESOURCES  
ADDRESS 6031 WALLACE RD. EXT. SUITE 200  
WEXFORD, PA 15090

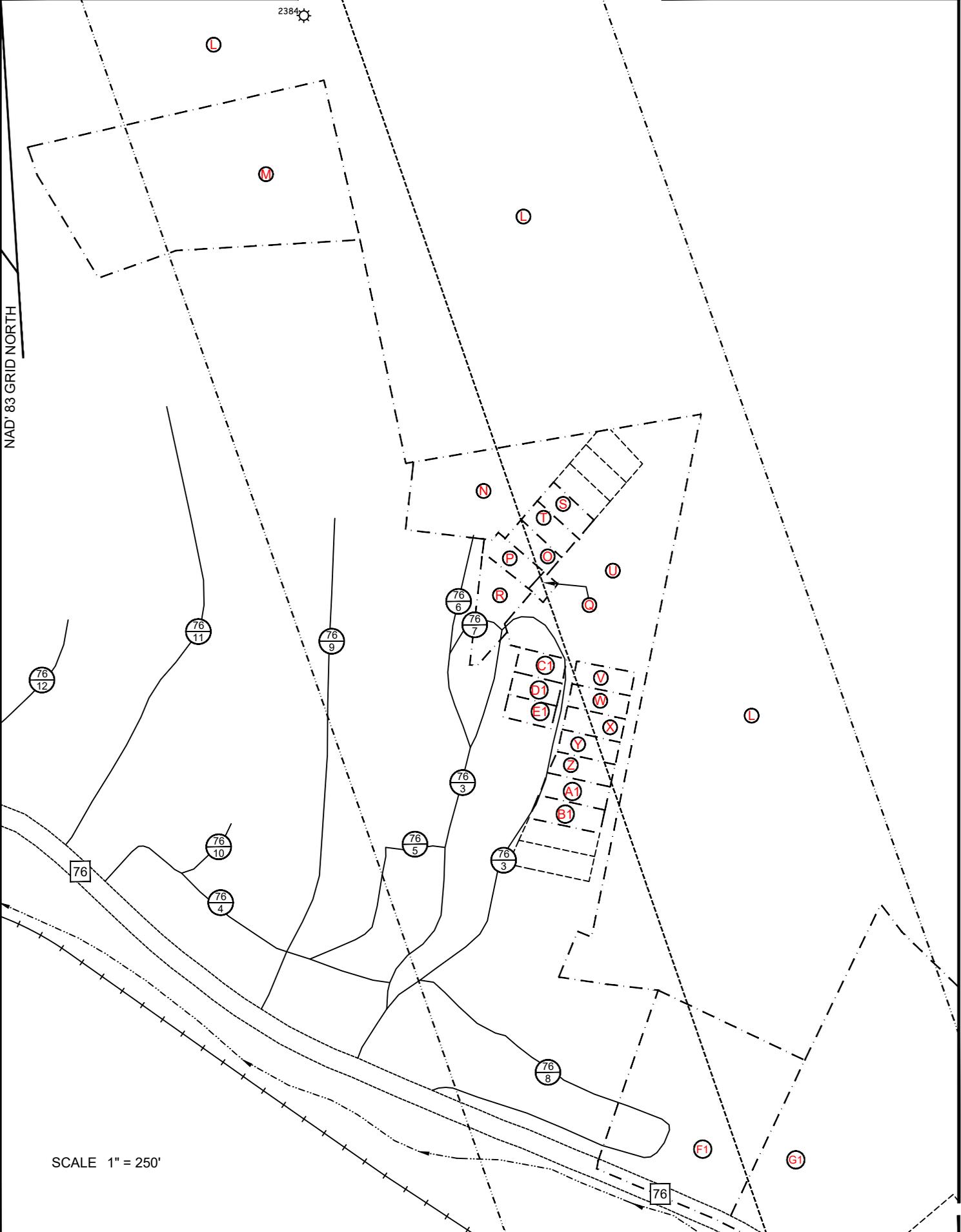
DESIGNATED AGENT ERIC MORRIS  
ADDRESS 633 WEST MAIN STREET  
BRIDGEPORT, WV 26330

**ARSENAL RESOURCES LLC  
FIBER II PAD  
HOMER 202**



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



SCALE 1" = 250'

FILE NO. 9205P202-022326.dwg

DATE FEBRUARY 23, 20 26

REVISED \_\_\_\_\_, 20 \_\_\_\_\_

OPERATORS WELL NO. 202

API WELL NO. **47** — **091** — **01394**  
 NO. STATE COUNTY PERMIT



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



P.S. 677 *Gregory A. Smith*

WELL OPERATOR ARSENAL RESOURCES  
 ADDRESS 6031 WALLACE RD. EXT. SUITE 200  
 WEXFORD, PA 15090

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

COUNTY NAME  
 PERMIT

## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
A, B, D, F G 47-091-4-11-1 47-091-4-9-57 47-091-4-8-93 47-091-4-11-20 47-091-4-9-39 (00005213)	Chester Sinsel and Frances Sinsel, his wife	Union Drilling Inc	12.5+%	35/488	1,080
	Union Drilling Inc	Equitable Resources Exploration Inc		9/427	
	Equitable Resources Exploration Inc	Equitable Resources Energy Company		10/79	
	Equitable Resources Energy Company	Enervest East Limited Partnership		22/181	
	Enervest East Limited Partnership	The Houston Exploration Company		27/99	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		27/426	
A, B, D, F G 47-091-4-11-1 47-091-4-9-57 47-091-4-8-93 47-091-4-11-20 47-091-4-9-39 (00006028)	Seneca-Upshur Petroleum Inc A Brooks Fleming and Winnie Fleming his wife and Georgia L Fleming Widow	Seneca-Upshur Petroleum LLC Union Drilling Inc.	12.5+%	31/427 33/79	890
	Union Drilling Inc	Equitable Resources Exploration Inc		216/411	
	Equitable Resources Exploration Inc	Equitable Resources Energy Company		10/79	

Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
	Equitable Resources Energy Company	Enervest East Limited Partnership		250/359	
	Enervest East Limited Partnership	Enervest Management Partners LTD		24/221	
	Enervest Management Partners LTD	The Houston Exploration Company		27/93	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		27/246	
	Seneca-Upshur Petroleum Inc	Seneca-Upshur Petroleum LLC		31/427	
C UNKNOWN	COLLINGWOOD APPALACHIAN MINERALS II, LLC	MAR KEY LLC	12.5+%	See attached lease	68
C UNKNOWN	COLLINGWOOD APPALACHIAN MINERALS III, LLC	MAR KEY LLC	12.5+%	See attached lease	68
ROAD WV ROUTE 76					
E 47-091-4-9-54 (00004128)	ANNA KAY SMITH	Petroleum Development Corp	12.5+%	42/584	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004130)	AUGUSTIS B SMITH MARY A SMITH	Petroleum Development Corp	12.5+%	41/531	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004131)	DENVER D SMITH AND BERTIE SMITH	Petroleum Development Corp	12.5+%	41/513	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	

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## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
E 47-091-4-9-54 (00004132)	RICHARD G SMITH	Petroleum Development Corp	12.5+%	42/1	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004133)	MURREL WILSON AND O B WILSON	Petroleum Development Corp	12.5+%	41/568	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004134)	CAROLYN KAY STUART & GAIL B STUART	Petroleum Development Corp	12.5+%	41/593	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004135)	KIMBERLY ANN CORLEY VOLLMAN ET VIR	Petroleum Development Corp	12.5+%	42/235	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004136)	ELIZABETH STOUT	Petroleum Development Corp	12.5+%	41/521	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004137)	VIRGINIA SMITH	Petroleum Development Corp	12.5+%	41/552	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	

## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
E 47-091-4-9-54 (00004138)	VIRGINIA JOY STEMPLE ET VIR	Petroleum Development Corp	12.5+%	41/564	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004139)	DONALD D SMITH	Petroleum Development Corp	12.5+%	41/556	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004141)	ERNEST T SMITH AND ADA SMITH	Petroleum Development Corp	12.5+%	41/517	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004142)	KENNETH SMITH AND BEATRICE SMITH	Petroleum Development Corp	12.5+%	41/572	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004143)	MICHAEL SMITH & REBECCA SMITH	Petroleum Development Corp	12.5+%	42/98	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004144)	FRANCELLE EICH AND ROBERT EICH	Petroleum Development Corp	12.5+%	41/501	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	

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## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
E 47-091-4-9-54 (00004145)	ELEANOR GREATHOUSE & ONA SMITH L/E	Petroleum Development Corp	12.5+%	41/657	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004146)	PEARL FUNDAK AND FRANK FUNDAK	Petroleum Development Corp	12.5+%	41/497	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004147)	EVELYN MARTIN AND JAMES E MARTIN	Petroleum Development Corp	12.5+%	41/649	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004148)	BETTY LOU SHOCKEY	Petroleum Development Corp	12.5+%	41/601	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004149)	HAZEL POSTLETHWAIT	Petroleum Development Corp	12.5+%	41/560	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004150)	KATHLEEN ROACH	Petroleum Development Corp	12.5+%	41/613	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	

Attachment to WW-6A1, Fiber II HOMER SOUTH 202

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E 47-091-4-9-54 (00004151)	CONNIE SUE SCOTT AND ROY A SCOTT	Petroleum Development Corp	12.5+%	41/609	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004152)	CARRIE JEANETTE SMITH	Petroleum Development Corp	12.5+%	41/509	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004153)	ALVA O PHILLIPS	Petroleum Development Corp	12.5+%	41/505	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004154)	CHERYL LYNN CORLEY HALL ET VIR	Petroleum Development Corp	12.5+%	41/661	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
E 47-091-4-9-54 (00004155)	SARAH SHIELDS	Petroleum Development Corp	12.5+%	41/641	356
	Petroleum Development Corp	PDC Mountaineer LLC		30/698	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
CREEK		SIMPSON CREEK			

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Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
H, I, J 47-091-4-10-1 47-091-4-10-2.2 47-091-4-10-1.1 (00004271)	JAMES B ROSS AND ALMA E ROSS	UNION DRILLING INC	12.5+%	40/504	134
	Union Drilling Inc	Equitable Resources Exploration Inc		9/427	
	Equitable Resources Exploration Inc	Equitable Resources Energy Company		10/79	
	Equitable Resources Energy Company	Petroleum Development Corp		12/137	
	Petroleum Development Corp PDC Mountaineer LLC	PDC Mountaineer LLC River Ridge Energy, LLC		30/698 59/1263	
H, I, J 47-091-4-10-1 47-091-4-10-2.2 47-091-4-10-1.1 (00004272)	ANN ROSS DUNN AND JOHN R DUNN	UNION DRILLING INC	12.5+%	40/489	134
	Union Drilling Inc	Equitable Resources Exploration Inc		9/427	
	Equitable Resources Exploration Inc	Equitable Resources Energy Company		10/79	
	Equitable Resources Energy Company	Petroleum Development Corp		12/137	
	Petroleum Development Corp PDC Mountaineer LLC	PDC Mountaineer LLC River Ridge Energy, LLC		30/698 59/1263	
ROAD	COUNTY ROUTE 3/12				

## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
K, L 47-091-4-10-3 47-001-9-8-1 (00006027)	CLAGET H AND JEAN W ROSS	UNION DRILLING INC	12.5+%	63/573	100
	Union Drilling Inc	Equitable Resources Exploration Inc		216/411	
	Equitable Resources Exploration Inc	Equitable Resources Energy Company		6/547	
	Equitable Resources Energy Company	Enervest East Limited Partnership		250/359	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		27/426	
	Seneca-Upshur Petroleum Inc	Seneca-Upshur Petroleum LLC		31/427	
L, M 47-001-9-8-1 47-001-9-8A-1 (00005920)	ADA M CLEAVENGER ET VIR	CUMBERLAND AND ALLEGHENY GAS	12.5+%	45/443	237.68
	Cumberland and Allegheny Gas	Union Drilling Inc		46/347	
	Union Drilling Inc	Equitable Resources Exploration Inc		325/219	
	Equitable Resources Exploration Inc	Equitable Resources Energy Company		328/171	
	Equitable Resources Energy Company	Fuel Resources Production & Development		118/81	
	Fuel Resources Production & Development	The Houston Exploration Company		383/187	

Office of Oil & Gas  
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## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		404/381	
	Seneca-Upshur Petroleum Inc	Seneca-Upshur Petroleum LLC		31/427	
	Equitable Resources Exploration Inc	Petroleum Development Corp		114/303	
	Equitable Resources Exploration Inc	Petroleum Development Corp		114/400	
	Petroleum Development Corp	PDC Mountaineer LLC		150/444	
	PDC Mountaineer LLC	River Ridge Energy, LLC		59/1263	
ROADS	MULTIPLE STREETS	AND ALLEYS IN GALLOWAY			
ROAD		COUNTY ROUTE 76/3			
N, O, P, Q, R, S, T, U, V, W, X, Y, Z, A1, B1, C1, D1, E1, F1, G1, H1 47-001-9-8A-85, 91, 93, 92, 94, 89, 90, 95, 96, 97, 100, 101, 104, 105, 106, 30, 98, 99, 119, 1.3 47-001-9-8-3 (00005717)	JAMES R TAYLOR ET AL	CONSOLIDATED GAS SUPPLY CORP	12.5+%	71/397	193.95
	CONSOLIDATED GAS SUPPLY CORP	CONSOLIDATED GAS TRANSMISSION CORP		99/481	
	CONSOLIDATED GAS TRANSMISSION CORP CNG DEVELOPMENT CO	CNG DEVELOPMENT COMPANY		103/71	
	Equitable Resources Exploration Inc	EQUITABLE RESOURCES / UNION DRILLING		113/28	
	Equitable Resources Energy Company	Equitable Resources Energy Company		328/171	
		Fuel Resources Production & Development		110/81	

## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
N, O, P, Q, R, S, T, U, V, W, X, Y, Z, A1, B1, C1, D1, E1, F1, G1, H1 47-091-9-8A- 85, 91, 93, 92, 94, 89, 90, 95, 96, 97, 100, 101, 104, 105, 106, 30, 98, 99, 119, 1.3 47-001-9-8-3 (00005718)	Equitable Resources Energy Company	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		383/187	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		404/381	
	Seneca-Upshur Petroleum Inc FRED CLEAVENGER ET AL	Seneca-Upshur Petroleum LLC UNION DRILLING INC	12.5+%	447/129 73/408	193.95
	Union Drilling Inc	Equitable Resources Exploration Inc		14/312	
	Equitable Resources Exploration Inc	Equitable Resources Energy		328/171	
	Equitable Resources Energy	Fuel Resources Production & Development		116/81	
	Equitable Resources Energy	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		383/187	

Office of Oil and Gas  
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 Department of Energy

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Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
N, O, P, Q, R, S, T, U, V, W, X, Y, Z, A1, B1, C1, D1, E1, F1, G1, H1 47-091-9-8A- 85, 91, 93, 92, 94, 89, 90, 95, 96, 97, 100, 101, 104, 105, 106, 30, 98, 99, 119, 1.3 47-001-9-8-3 (00005719)	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca Upshur Petroleum Inc		404/381	
	Seneca-Upshur Petroleum Inc LUCILLE CLEAVENGER ET AL	Seneca Upshur Petroleum LLC UNION DRILLING INC	12.5+%	447/129 73/412	193.95
	Union Drilling Inc	Equitable Resources Exploration Inc		14/312	
	Equitable Resources Exploration Inc	Equitable Resources Energy		328/171	
	Equitable Resources Energy	Fuel Resources Production & Development		116/81	
	Equitable Resources Energy	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		383/187	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca Upshur Petroleum Inc		404/381	
	Seneca-Upshur Petroleum Inc	Seneca Upshur Petroleum LLC		447/129	

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Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
N, O, P, Q, R, S, T, U, V, W, X, Y, Z, A1, B1, C1, D1, E1, F1, G1, H1 47-091-9-8A- 85, 91, 93, 92, 94, 89, 90, 95, 96, 97, 100, 101, 104, 105, 106, 30, 98, 99, 119, 1.3 47-001-9-8-3 (00005720)	RUSSELL T TAYLOR	UNION DRILLING INC	12.5+%	73/316	193.95
	Union Drilling Inc	Equitable Resources Exploration Inc		14/312	
	Equitable Resources Exploration Inc	Equitable Resources Energy		328/171	
	Equitable Resources Energy	Fuel Resources Production & Development		116/81	
	Equitable Resources Energy	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		383/187	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca Upshur Petroleum Inc		404/381	
	Seneca-Upshur Petroleum Inc	Seneca Upshur Petroleum LLC		447/129	
RAILROAD		CSX			
I1 47-001-9-13-2 (00005937)	AGNES HONC	UNION DRILLING INC & ALLERTON MILLER	12.5+%	70/7	40
	Allerton Miller	Union Drilling Inc		98/11	

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Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
	Union Drilling Inc	Equitable Resources Exploration Inc		325/219	
	Equitable Resources Exploration Inc	Equitable Resources Energy Company		328/171	
	Equitable Resources Energy Company	Fuel Resources Production & Development		116/81	
	Equitable Resources Energy Company	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		136/162	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		139/48	
	Seneca-Upshur Petroleum Inc	Seneca-Upshur Petroleum LLC		447/129	
J1 47-001-9-13-2.1 (00009395)	JORDAN NICOLE BOWERS	MAR KEY LLC	12.5+%	185/459	22
K1, M1 47-001-09-13-23 47-001-09-13-23.12 (00005917)	SADIE C LAKE	CUMBERLAND AND ALLEGHENY GAS	12.5+%	45/423	469.78
	Cumberland and Allegheny Gas	Union Drilling Inc & Allerton Miller		46/347	
	Allerton Miller Union Drilling Inc	Union Drilling Inc Equitable Resources Exploration Inc		98/11 325/219	
	Equitable Resources Exploration Inc	Equitable Resources Energy Company		328/171	

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Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
	Equitable Resources Energy Company	Fuel Resources Production & Development		116/81	
	Equitable Resources Energy Company	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		136/162	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		139/48	
	Seneca-Upshur Petroleum Inc	Seneca-Upshur Petroleum LLC		447/129	
ROAD		COUNTY ROUTE 77/1			
CREEK		CAMP RUN			
L1 47-001-9-13-12.4 D0000413	ARK LAND	MAR KEY LLC	12.5+%	579/313	3.45
N1 47-001-09-13-12.1 00009741	MICHAEL GERALD AND LISA KAY SMITH	MAR KEY LLC	12.5+%	See attached lease	20
O1 47-001-09-13-11 (00008915)	BRIAN L AND REBBECA J WENTZ	MAR KEY LLC	12.5+%	185/60	101
P1 47-001-09-21-3 (00005913)	JOHN B AND EVELYN E TALBOTT	UNION DRILLING INC	12.5+%	70/171	105
	Union Drilling Inc	Equitable Resources Exploration		216/411	
	Equitable Resources Exploration	Equitable Resources Energy		219/258	

FEB 11 2026  
 DEPARTMENT OF REVENUE  
 STATE OF MISSISSIPPI

## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
P1 47-001-09-21-3 (00005914)	Equitable Resources Energy	Fuel Resources Production & Development		116/81	
	Equitable Resources Energy	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		383/187	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		404/381	
	Seneca-Upshur Petroleum Inc VIRGINIA C TALBOTT	Seneca-Upshur Petroleum LLC UNION DRILLING INC	12.5+%	447/129 70/387	105
	Union Drilling Inc	Equitable Resources Exploration		216/411	
	Equitable Resources Exploration	Equitable Resources Energy		219/258	
	Equitable Resources Energy	Fuel Resources Production & Development		116/81	
	Equitable Resources Energy	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		383/187	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		404/381	
Seneca-Upshur Petroleum Inc	Seneca-Upshur Petroleum LLC		447/129		
ROAD	COUNTY ROUTE 77/2				

## Attachment to WW-6A1, Fiber II HOMER SOUTH 202

Letter Designation/Number Designation on Plat	Grantor, Lessor, Assignor, etc.	Grantee, Lessee, Assignee, etc.	Royalty	Book/Page	Acreage
Q1 47-001-09-21-20 (00005796)	D H & PHILOMENA PATSY	CUMBERLAND AND ALLEGHENY GAS	12.5+%	40/114	159.06
	Cumberland and Allegheny Gas Company	Union Drilling Inc. & Allerton Miller		46/347	
	Allerton Miller	Union Drilling Inc.		98/11	
	Union Drilling Inc.	Equitable Resources Exploration		325/219	
	Equitable Resources Exploration	Equitable Resources Energy Co		328/171	
	Equitable Resources Energy Co	Fuel Resources Production & Development		116/81	
	Equitable Resources Energy Co	Enervest East Limited Partnership		129/524	
	Fuel Resources Production & Development	The Houston Exploration Company		136/162	
	Enervest East Limited Partnership	The Houston Exploration Company		138/1	
	The Houston Exploration Company	Seneca-Upshur Petroleum Inc		139/48	
	Seneca-Upshur Petroleum Inc	Seneca-Upshur Petroleum LLC		447/129	

RECEIVED  
 FEB 11 2026  
 WV DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 CHEMISTRY SECTION

## MEMORANDUM OF NO SURFACE USE OIL AND GAS LEASE

State of West Virginia

County Taylor

Lessor: Collingwood Appalachian Minerals II, LLC  
 Lessor's Address: 20008 Champions Forrest Dr #10 Spring, TX 77379

Lessee: Mar Key, LLC  
 Lessee's Address: 6031 Wallace Road Extension, Suite 200  
 Wexford, PA 15090

Date Executed: January 23, 2026  
 Effective Date: January 23, 2026

As of the Effective Date stated above, Lessors, named above, executed and delivered to Lessee, name above, a No Surface Use-Oil and Gas Lease, (the "Agreement") in which Lessors granted, leased, and let to Lessee lands (the "Lands") located in the County and State named, described as follows:

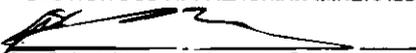
All that certain tract of land in Flemington District, Taylor County, West Virginia, described in Deed Book(s) 85; 68, at Page(s) 139; 443, dated 3/7/43; 1/2/26 and recorded in the Recorder's Office of said County, containing 100.29000 acres, more or less. Said Leased Premises, including but not limited to tract(s) being identified for tax purposes as parcel number(s) p/o 47-091-4-11-1, 4-11-20, 20.1, 21, 22 26; 4-8-92, 93, 94, 95, 96; 4-9-57, as of the date of this Agreement. Notwithstanding said tax map designation, the Agreement shall be effective as to the tract(s) described in Deed Book 85; 68, at Page 139; 443 and actually owned by Lessor whether or not the tax map designation correctly identifies the location of the tract. It being the purpose and intent of Lessor to lease and Lessor does hereby lease all interests in the land above described now owned or hereafter acquired by Lessor. This Lease also covers and includes, in addition to that above described, all land, if any, contiguous or adjacent to or adjoining the lands above described and (a) owned or claimed by Lessor, by limitation, prescription, possession, reversion or unrecorded instrument or (b) as to which Lessor has a preference right of acquisition. Lessor agrees to execute any supplemental instrument requested by Lessee for a more complete or accurate description of said land.

The Agreement is for a primary term of One (1) year from the Effective Date stated above and as long thereafter as oil, gas or other minerals are produced from the lands described above, or lands pooled therewith, according to and by the terms and provisions of the Agreement between Lessor and Lessee. The Agreement, with all of its terms, covenants and other provisions, is referred to and incorporated into this Memorandum for all purposes.

This Memorandum of No Surface Use-Oil and Gas Lease, is executed by Lessor and Lessee and placed of record in the County in which the Lands are located for the purpose of placing all persons on notice of the existence of the Agreement which Agreement is not, at the request of both parties, being placed of record.

WITNESS:

LESSORS:  
 COLLINGWOOD APPALACHIAN MINERALS, II, LLC

  
 By: Robert Hadlow, Attorney in Fact

By: \_\_\_\_\_  
 \_\_\_\_\_

02/27/2026

ACKNOWLEDGMENT

STATE OF Texas )  
COUNTY OF Harris ) SS:

On this the 23 day of JAN, 2026, before me, the undersigned officer personally appeared **Robert Hadlow**, who acknowledged himself to be the **attorney in fact for Collingwood Appalachian Minerals II, LLC** and as such being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing his name as **attorney in fact**.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



My Commission Expires: 11/11/2

Signature/Notary Public: [Signature]

Name/Notary Public (print): JARED Murphy

ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS:

On this the \_\_\_\_\_ day of \_\_\_\_\_, 2026, before me, the undersigned officer, appeared \_\_\_\_\_ satisfactorily proven to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: \_\_\_\_\_

Signature/Notary Public: \_\_\_\_\_

Name/Notary Public (print): \_\_\_\_\_

RECORDED  
INDEXED  
FEB 11 2026  
MV DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

PREPARED BY & RETURN TO:  
MAR KEY, LLC  
6031 WALLACE RD EXT, STE 200  
WEXFORD, PA 15090

MEMORANDUM OF NO SURFACE USE OIL AND GAS LEASE

State of West Virginia

County Taylor

Lessor: Collingwood Appalachian Minerals III, LLC  
Lessor's Address: 20008 Champions Forrest Dr #10 Spring, TX 77379

Lessee: Mar Key, LLC.  
Lessee's Address: 6031 Wallace Road Extension, Suite 200  
Wexford, PA 15090

Date Executed: January 23, 2026

Effective Date: January 23, 2026

As of the Effective Date stated above, Lessors, named above, executed and delivered to Lessee, name above, a No Surface Use-Oil and Gas Lease, (the "Agreement") in which Lessors granted, leased, and let to Lessee lands (the "Lands") located in the County and State named, described as follows:

All that certain tract of land in Flemington District, Taylor County, West Virginia, described in Deed Book(s) 85; 68, at Page(s) 139; 443, dated 3/7/43; 1/2/26 and recorded in the Recorder's Office of said County, containing 100.29000 acres, more or less. Said Leased Premises, including but not limited to tract(s) being identified for tax purposes as parcel number(s) p/c 47-091-4-11-1, 4-11-20, 20.1, 21, 22 26; 4-8-92, 93, 94, 95, 96; 4-9-57, as of the date of this Agreement. Notwithstanding said tax map designation, the Agreement shall be effective as to the tract(s) described in Deed Book 85; 68, at Page 139; 443 and actually owned by Lessor whether or not the tax map designation correctly identifies the location of the tract. It being the purpose and intent of Lessor to lease and Lessor does hereby lease all interests in the land above described now owned or hereafter acquired by Lessor. This Lease also covers and includes, in addition to that above described, all land, if any, contiguous or adjacent to or adjoining the lands above described and (a) owned or claimed by Lessor, by limitation, prescription, possession, reversion or unrecorded instrument or (b) as to which Lessor has a preference right of acquisition. Lessor agrees to execute any supplemental instrument requested by Lessee for a more complete or accurate description of said land.

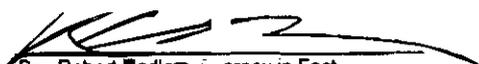
The Agreement is for a primary term of One (1) year from the Effective Date stated above and as long thereafter as oil, gas or other minerals are produced from the lands described above, or lands pooled therewith, and by the terms and provisions of the Agreement between Lessor and Lessee. The Agreement, with all of its terms, covenants and other provisions, is referred to and incorporated into this Memorandum for all purposes.

This Memorandum of No Surface Use-Oil and Gas Lease, is executed by Lessor and Lessee and placed of record in the County in which the Lands are located for the purpose of placing all persons on notice of the existence of the Agreement which Agreement is not, at the request of both parties, being placed of record.

WITNESS:

LESSORS:  
COLLINGWOOD APPALACHIAN MINERALS III, LLC

\_\_\_\_\_

  
By: Robert Madlow, Attorney in Fact

\_\_\_\_\_

ACKNOWLEDGMENT

STATE OF Texas )  
COUNTY OF Harris ) SS:

On this the 23 day of JAN, 2026, before me, the undersigned officer personally appeared **Robert Hadlow**, who acknowledged himself to be the **attorney in fact for Collingwood Appalachian Minerals III, LLC** and as such being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing his name as **attorney in fact**.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: 11/11/29



Signature/Notary Public: [Handwritten Signature]

Name/Notary Public (print): JARED Murphy

ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS:

On this the \_\_\_\_ day of \_\_\_\_\_, 2025, before me, the undersigned officer, appeared \_\_\_\_\_, satisfactorily proven to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: \_\_\_\_\_

Signature/Notary Public: \_\_\_\_\_

Name/Notary Public (print): \_\_\_\_\_

ACKNOWLEDGMENT

\_\_\_\_\_

PREPARED BY & RETURN TO:  
MAR KEY, LLC  
6031 WALLACE RD EXT, STE 200  
WEXFORD, PA 15090

MEMORANDUM OF NO SURFACE USE OIL AND GAS LEASE

State of West Virginia

County Pleasant

Lessor: Michael Gerald Smith and Lisa Kay Smith
Lessor's Address: 3894 Harrisville Rd. Mt Airy, MD 21771

Lessee: Mar Key, LLC.
Lessee's Address: 6031 Wallace Road Extension, Suite 200
Wexford, PA 15090

Date Executed: 12-13-2025
Effective Date: 12-13-2025

As of the Effective Date stated above, Lessors, named above, executed and delivered to Lessee, name above, a No Surface Use-Oil and Gas Lease, (the "Agreement") in which Lessors granted, leased, and let to Lessee lands (the "Lands") located in the County and State named, described as follows:

All that certain tract of land in Barbour District, Pleasant County, West Virginia, described in Deed Book(s) 430, at Page(s) 278, dated July 15, 2008 and recorded in the Recorder's Office of said County, containing 19.20000 acres, more or less. Said Leased Premises, including but not limited to tract(s) being identified for tax purposes as parcel number(s) 47-001-9-13-12.1, as of the date of this Agreement. Notwithstanding said tax map designation, the Agreement shall be effective as to the tract(s) described in Deed Book 430, at Page 278 and actually owned by Lessor whether or not the tax map designation correctly identifies the location of the tract. It being the purpose and intent of Lessor to lease and Lessor does hereby lease all interests in the land above described now owned or hereafter acquired by Lessor. This Lease also covers and includes, in addition to that above described, all land, if any, contiguous or adjacent to or adjoining the lands above described and (a) owned or claimed by Lessor, by limitation, prescription, possession, reversion or unrecorded instrument or (b) as to which Lessor has a preference right of acquisition. Lessor agrees to execute any supplemental instrument requested by Lessee for a more complete or accurate description of said land.

The Agreement is for a primary term of Two (2) years from the Effective Date stated above and as long thereafter as oil, gas or other minerals are produced from the lands described above, or lands pooled therewith, according to and by the terms and provisions of the Agreement between Lessor and Lessee. The Agreement, with all of its terms, covenants and other provisions, is referred to and incorporated into this Memorandum for all purposes.

This Memorandum of No Surface Use-Oil and Gas Lease, is executed by Lessor and Lessee and placed of record in the County in which the Lands are located for the purpose of placing all persons on notice of the existence of the Agreement which Agreement is not, at the request of both parties, being placed of record.

WITNESS:

Two horizontal lines for witness signature.

LESSORS:

Handwritten signature of Michael Gerald Smith

By: Michael Gerald Smith

Handwritten signature of Lisa Kay Smith

By: Lisa Kay Smith

LESSEE:

Mar Key, LLC

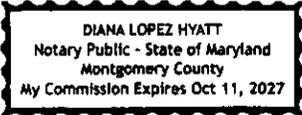
By: Jon Sheldon
Its: SVP & COO

ACKNOWLEDGMENT

STATE OF Maryland )  
COUNTY OF Carroll ) SS:

On this the 13 day of December, 2025, before me, the undersigned officer, appeared Michael Gerald Smith, satisfactorily proven to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



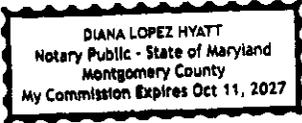
My Commission Expires: 10/11/2027  
Signature/Notary Public: Diana Lopez Hyatt  
Name/Notary Public (print): Diana Hyatt

ACKNOWLEDGMENT

STATE OF Maryland )  
COUNTY OF Carroll ) SS:

On this the 13 day of December, 2025, before me, the undersigned officer, appeared Lisa Kay Smith, satisfactorily proven to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



My Commission Expires: 10/11/2027  
Signature/Notary Public: Diana Lopez Hyatt  
Name/Notary Public (print): Diana Hyatt

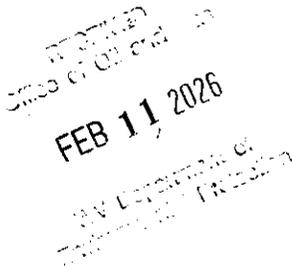
ACKNOWLEDGMENT

COMMONWEALTH OF PENNSYLVANIA )  
COUNTY OF ALLEGHENY ) SS:

On this the \_\_\_ day of \_\_\_\_\_, 2025, before me, the undersigned officer personally appeared Jon Sheldon, who acknowledged himself to be the SVP & COO of Mar Key, LLC and as such SVP and COO, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing his name as SVP & COO.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: \_\_\_\_\_  
Signature/Notary Public: \_\_\_\_\_  
Name/Notary Public (print): \_\_\_\_\_



PREPARED BY & RETURN TO:  
MAR KEY, LLC  
6031 WALLACE RD EXT, STE 200  
WEXFORD, PA 15090