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

Thursday, June 4, 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 FLANDERS 202
47-091-01384-00-00

Lateral Extension

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.

H. Jason Harmon
Chief

| | |
|---|---|
| Operator's Well Number: | FLANDERS 202 |
| Farm Name: | VANDALIA LAND, LLC |
| U.S. WELL NUMBER: | 47-091-01384-00-00 |
| Horizontal 6A | New Drill |
| Date Modification Issued: | 06/04/2026 |

Promoting a healthy environment.

06/05/2026

WW-6B
(04/15)

API NO. 47- 091 - 01384
OPERATOR WELL NO. 202
Well Pad Name: Flanders

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

1) Well Operator: Arsenal Resources

| Operator ID | County | District | Quadrangle |
|---|---|---|---|
| 494519412 | Taylor | Courthouse | Grafton |

2) Operator's Well Number: 202 Well Pad Name: Flanders

3) Farm Name/Surface Owner: Vandalia Land, LLC Public Road Access: CR-11/Wendel Road

4) Elevation, current ground: 1250.91' Elevation, proposed post-construction: 1250.00'

5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____
(b)If Gas Shallow X Deep _____
Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale, 7,642' (TVD Top) - 7,712' (TVD Bottom), 70 ft, 0.5 psi/ft

8) Proposed Total Vertical Depth: 7,702'

9) Formation at Total Vertical Depth: Marcellus Shale

10) Proposed Total Measured Depth: 27,300'

11) Proposed Horizontal Leg Length: 17,630'

12) Approximate Fresh Water Strata Depths: 55', 74', 140', 160', 500', 700', 945'

13) Method to Determine Fresh Water Depths: Offsetting well reported water depths (091-00630, 091-00912, 091-00623, 091-00619)

14) Approximate Saltwater Depths: None expected

15) Approximate Coal Seam Depths: Pittsburgh-57', Harlem-427', Lower Freeport-727', Upper Kittanning-792', Middle Kittanning-842', Clarion-837'

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

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

CK# 205471
$ 7500.00
2/5/2026

Gayne Knitowski
Digitally signed by Gayne Knitowski
Date: 2026.05.12 10:39:49 -04'00'



06/05/2026

WW-6B
(04/15)

API NO. 47- 091 - 01384
OPERATOR WELL NO. 202
Well Pad Name: Flanders

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 | 80 | 80 | CTS |
| Fresh Water | 13.375 | New | J-55 | 54.5 | 1,000 | 1,000 | CTS |
| Coal | | | | | | | |
| Intermediate | 9.625 | New | J-55 | 40 | 2,000 | 2,000 | CTS |
| Production | 5.5 | New | P-110 | 20 | 27,300 | 27,300 | TOC @ 1,850 |
| Tubing | 2.875 | New | L-80 | 6.5 | | 8,000 | none |
| Liners | | | | | | | |

Gayne Knitowski Digitally signed by Gayne Knitowski Date: 2026.05.12 10:40:10 -04'00'

| 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% CaCl2 | 1.2 |
| Fresh Water | 13.375 | 17.5 | 0.38 | 2,730 | 900 | Class A/L, 3% CaCl2 | 1.2 |
| Coal | | | | | | | |
| Intermediate | 9.625 | 12.25 | 0.395 | 3,950 | 1,500 | Class A/L, 3% CaCl2 | 1.29 |
| Production | 5.5 | 8.5-8.75 | 0.415 | 14,520 | 9,500 | Class A/L, Poz | 1.29/1.34 |
| Tubing | 2.875 | | | | | none | |
| Liners | | | | | | | |

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of Environmental Protection

## PACKERS

| | | | | |
|---|---|---|---|---|
| Kind: | | | | |
| Sizes: | | | | |
| Depths Set: | | | | |


06/05/2026

API NO. 47- 091 - 01384
OPERATOR WELL NO. 202
Well Pad Name: Flanders

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 ½" 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- ¼" intermediate hole to the programmed depth, run 9- 5/8" casing and cement to surface. The rig with then continue to drill an 8- ¾" hole to a designed KOP. We will then start drilling the curve and lateral section to the programmed total measured depth, run 5 ½" 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.

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 21.83

22) Area to be disturbed for well pad only, less access road (acres): 8.32

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 ½" – 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 2,650'; there will be no centralizers from 2,650' 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 2,350' (+/- 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 to 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 borehole. This will provide lubricity as well as stabilize 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.



06/05/2026

ARSENAL RESOURCES

Project: Taylor Co., WV (NAD83 - WV N)
Site: Flanders Pad
Well: Flanders 202
Wellbore: OH
Design: Plan 4
Lat: 39.286067
Long: -80.099926
GL: 1250.00
RKB: GL +27' RKB @ 1277.00usft

RHOADES DIRECTIONAL

**Job #:**

**Plan 4**

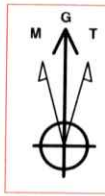
## WELL DETAILS: Flanders 202

1250.00

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 286874.12 | 1798694.01 | 39.286067 | -80.099926 | |

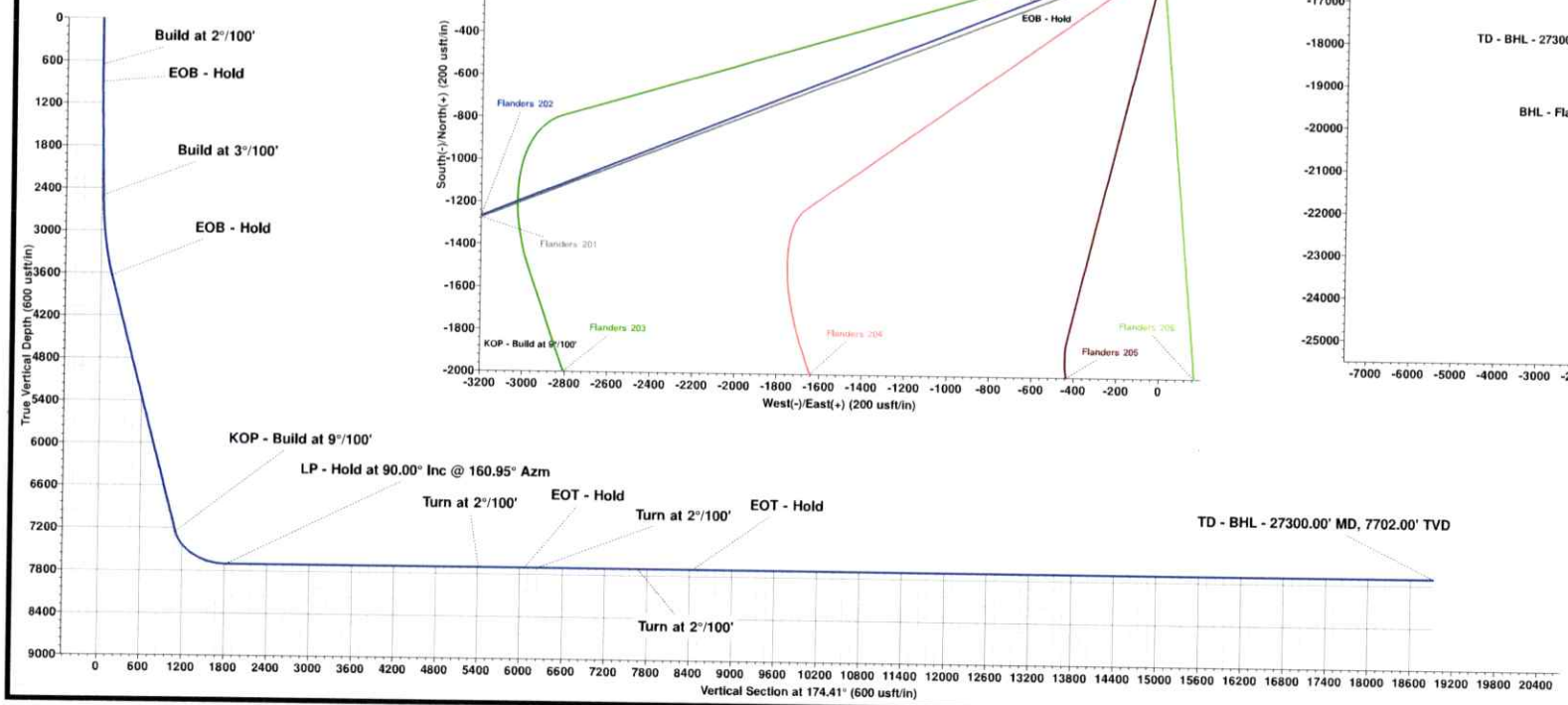
## SECTION DETAILS

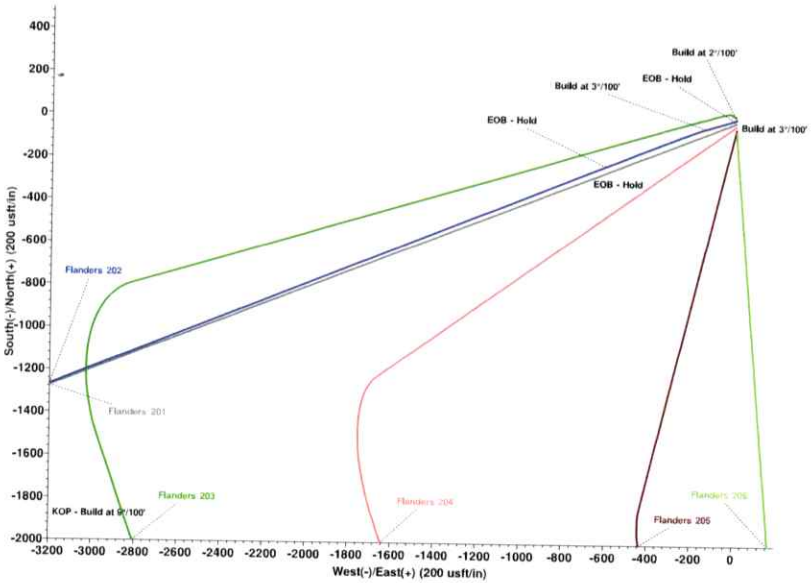
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Annotation |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 650.00 | 0.00 | 0.00 | 650.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Build at 2°/100' |
| 3 | 900.00 | 5.00 | 253.44 | 899.68 | -3.11 | -10.45 | 2.00 | 253.44 | 2.07 | EOB - Hold |
| 4 | 2506.43 | 5.00 | 253.44 | 2500.00 | -43.01 | -144.65 | 0.00 | 0.00 | 28.71 | Build at 3°/100' |
| 5 | 3764.45 | 42.72 | 248.08 | 3629.91 | -224.56 | -609.99 | 3.00 | -5.95 | 164.02 | EOB - Hold |
| 6 | 8691.45 | 42.72 | 248.08 | 7249.89 | -1472.42 | -3710.63 | 0.00 | 0.00 | 1103.65 | KOP - Build at 9°/100' |
| 7 | 9669.82 | 90.00 | 160.95 | 7702.00 | -2209.91 | -3897.02 | 9.00 | -87.89 | 1819.45 | LP - Hold at 90.00° Inc @ 160.95° Azm |
| 8 | 13369.82 | 90.00 | 160.95 | 7702.00 | -5707.24 | -2689.28 | 0.00 | 0.00 | 5417.87 | Turn at 2°/100' |
| 9 | 14067.25 | 90.00 | 147.00 | 7702.00 | -6332.41 | -2384.02 | 2.00 | -90.00 | 6069.82 | EOT - Hold |
| 10 | 14267.25 | 90.00 | 147.00 | 7702.00 | -6500.14 | -2275.09 | 0.00 | 0.00 | 6247.37 | Turn at 2°/100' |
| 11 | 15744.75 | 90.00 | 176.55 | 7702.00 | -7888.02 | -1818.11 | 2.00 | 90.00 | 7673.19 | Turn at 2°/100' |
| 12 | 16523.27 | 90.00 | 160.98 | 7702.00 | -8649.28 | -1666.89 | 2.00 | -90.00 | 8445.57 | EOT - Hold |
| 13 | 27300.00 | 90.00 | 160.98 | 7702.00 | -18837.62 | 1845.32 | 0.00 | 0.00 | 18927.78 | TD - BHL - 27300.00' MD, 7702.00' TVD |

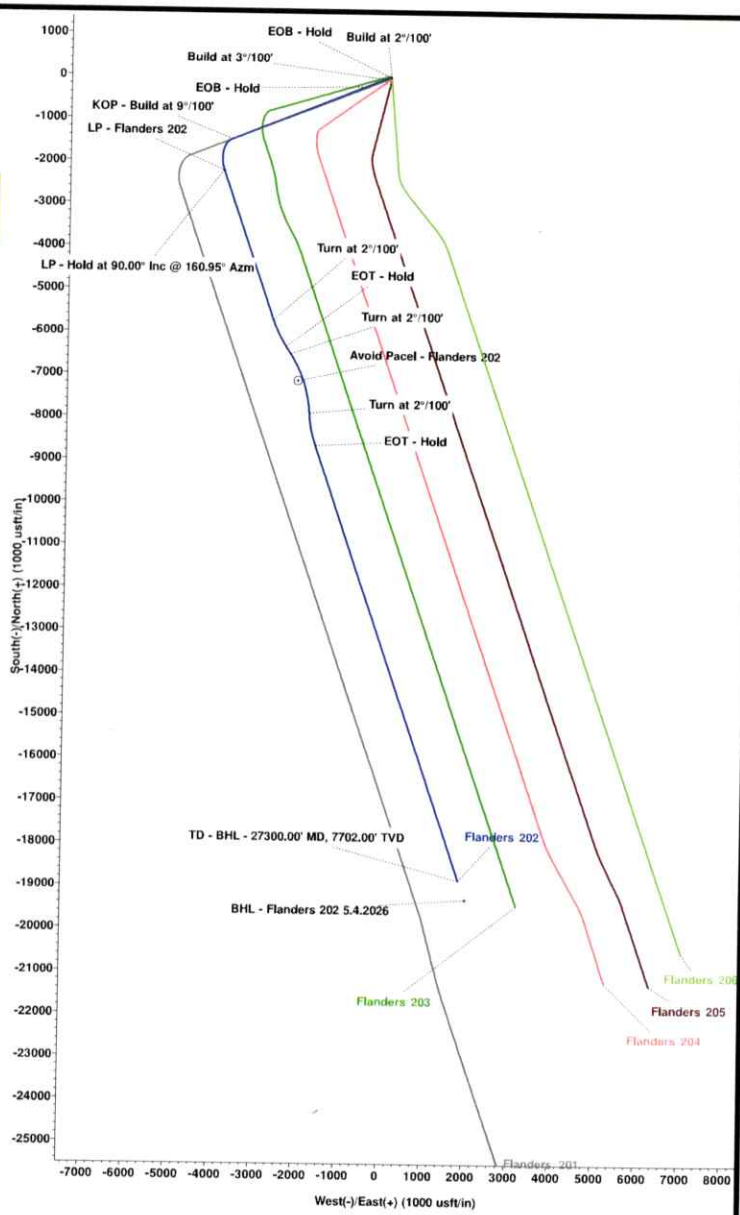



Azimuths to Grid North
True North: 0.38°
Magnetic North: -8.59°

Magnetic Field
Strength: 50918.7nT
Dip Angle: 65.57°
Date: 4/9/2026
Model: IGRF2020




RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

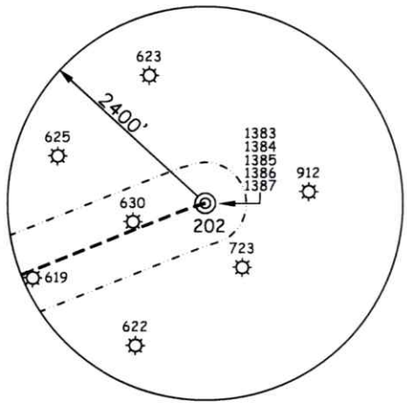
## Area of Review Report - Flanders Pad, 202 Lateral, Taylor County, WV

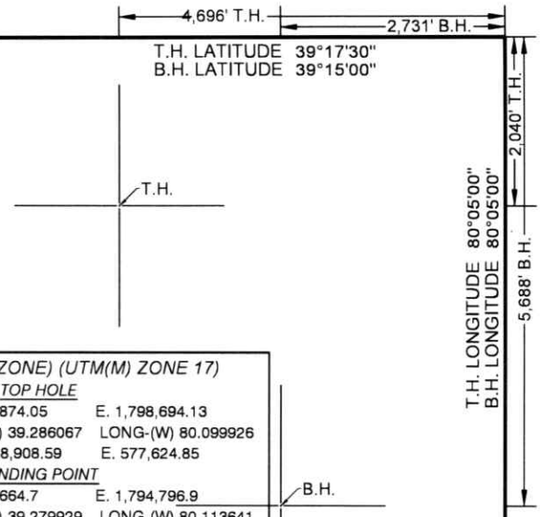
| Well Name | API Number | Operator Name / Address | Well Type | Latitude | Longitude | Total Depth | Perforated Formation(s) | Producing Zones not Perforated |
|---|---|---|---|---|---|---|---|---|
| Tygart East Co 7 | 091-00630 | WV Mineral Group, LLC | Existing | 39.285378 | -80.10273 | 4,800 | Benson | Riley, Gordon |
| Tygart East Co 2 | 091-00619 | WV Mineral Group, LLC | Existing | 39.283348 | -80.107208 | 4,853 | Benson | Riley |
| Hal S Findley 1 | 091-00615 | WV Mineral Group, LLC | Existing | 39.276533 | -80.111124 | 4,710 | Riley | None |
| Live Plants 3 | 091-00253 | Kelley Randall R. DBA Victory Construction | Existing | 39.269862 | -80.10739 | 4,628 | Benson | Riley, Bradford, Fourth |
| Regina Rager 3A | 091-00733-P | None | Plugged | 39.255796 | -80.104215 | unknown | unknown | None |
| D L Bosely 1 | 091-00187 | Ross & Wharton Gas Co., Inc. | Existing | 39.242545 | -80.096212 | 4,650 | Benson | Riley |
| Lummi I Moss 3 | 001-02390 | WV Mineral Group, LLC | Existing | 39.239073 | -80.095072 | 4,865 | Benson | Riley |

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

FORM WW 6 – SHEET 1

# ARSENAL RESOURCES
# FLANDERS PAD
# WELL 202



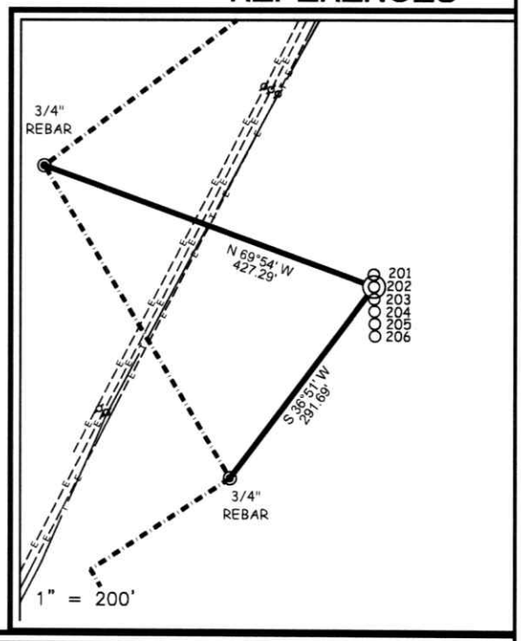




| (S.P.C. NORTH ZONE) (UTM(M) ZONE 17) | | |
|---|---|---|
| *TOP HOLE* | | |
| NAD'83 S.P.C.(FT) | N. 286,874.05 | E. 1,798,694.13 |
| NAD'83 GEO. | LAT-(N) 39.286067 | LONG-(W) 80.099926 |
| NAD'83 UTM (M) | N. 4,348,908.59 | E. 577,624.85 |
| *LANDING POINT* | | |
| NAD'83 S.P.C.(FT) | N. 284,664.7 | E. 1,794,796.9 |
| NAD'83 GEO. | LAT-(N) 39.279929 | LONG-(W) 80.113641 |
| NAD'83 UTM (M) | N. 4,348,215.7 | E. 576,448.7 |
| *BOTTOM HOLE* | | |
| NAD'83 S.P.C.(FT) | N. 268,037.2 | E. 1,800,537.7 |
| NAD'83 GEO. | LAT-(N) 39.234384 | LONG-(W) 80.092973 |
| NAD'83 UTM (M) | N. 4,343,178.9 | E. 578,281.9 |

## 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




| LINE | BEARING | DISTANCE |
|---|---|---|
| L1 | S 73°30' W | 150.98' |
| L2 | S 69°13' W | 228.84' |
| L3 | S 68°08' W | 837.47' |
| L4 | S 68°05' W | 2775.46' |

| CURVE | RADIUS | ARC LENGTH | CHORD LENGTH | CHORD BEARING |
|---|---|---|---|---|
| C1 | 344.88' | 259.14' | 253.09' | S 45°14' W |
| C2 | 613.62' | 260.26' | 258.31' | S 12°36' W |
| C3 | 892.54' | 312.71' | 311.11' | S 09°11' E |
| C4 | 3178.14' | 867.39' | 864.70' | S 27°52' E |
| C5 | 2864.88' | 932.74' | 928.62' | S 23°40' E |
| C6 | 2965.83' | 600.00' | 598.98' | S 08°26' E |
| C7 | 2918.17' | 800.01' | 797.51' | S 12°28' E |


SLS FROM THE GROUND UP
12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 Gregory A. Smith

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE MAY 20 , 20 26

REVISED

OPERATORS WELL NO. 202

API WELL NO. 47 — 091 — 01384
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9554P202R-050826.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 X LIQUID INJECTION ____ WASTE DISPOSAL ____ IF "GAS" PRODUCTION X STORAGE ____ DEEP ____ SHALLOW X

**LOCATION :**

ELEVATION 1,250.00' WATERSHED SANDLICK RUN

DISTRICT COURTHOUSE COUNTY TAYLOR QUADRANGLE GRAFTON 7.5'

SURFACE OWNER VANDALIA LAND LLC ACREAGE 24.13±

ROYALTY OWNER KIM R. ROGERS ET AL ACREAGE 6.04±

**PROPOSED WORK :** LEASE NO. SEE WW-6A1

DRILL X CONVERT ____ DRILL DEEPER ____ REDRILL ____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ____ PERFORATE NEW FORMATION ____ PLUG AND ABANDON ____ CLEAN OUT AND REPLUG ____ OTHER ____

06/05/2026

PHYSICAL CHANGE IN WELL (SPECIFY) ____ TARGET FORMATION MARCELLUS

ESTIMATED DEPTH TVD: 7,702' / TMD: 27,300'

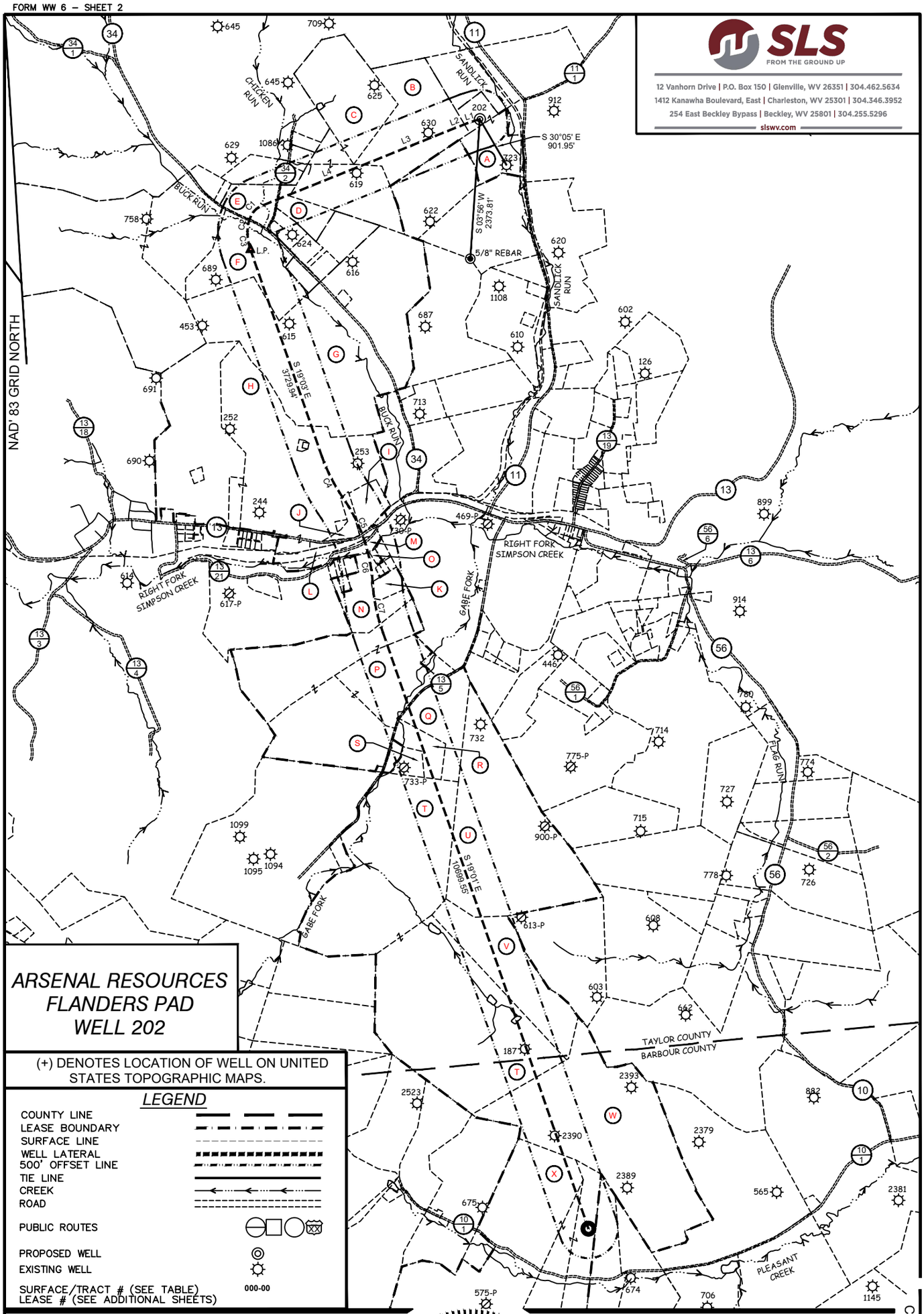
COUNTY NAME PERMIT

**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

FORM WW 6 – SHEET 2

SLS
FROM THE GROUND UP
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
# FLANDERS PAD
# WELL 202

(+) 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) 000-00
LEASE # (SEE ADDITIONAL SHEETS)

SCALE 1" = 2000' FILE NO. 9554P202R-050826.dwg

DATE MAY 20 , 20 26

REVISED

OPERATORS WELL NO. 202

API WELL NO. 47 — 091 — 01384
STATE COUNTY PERMIT

GREGORY A. SMITH
LICENSED
No. 677
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

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

06/05/2026

P.S. 677 Gregory A. Smith

COUNTY NAME

PERMIT

**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

SLS
124588

FORM WW 6 – SHEET 3

SLS
FROM THE GROUND UP
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 | ACREAGE |
|---|---|---|---|
| A | 5-13A-2 | VANDALIA LAND LLC | 24.13 |
| B | 5-13-37 | COALQUEST DEVELOPMENT LLC | 49.75 |
| C | 5-13-38 | COALQUEST DEVELOPMENT LLC | 83 |
| D | 5-13-70 | VIRGIL L & SANDRA J BROWN | 9.64 |
| ROAD | N/A | TAYLOR CO. RT. 34/2 | N/A |
| CREEK | N/A | CHICKEN RUN | N/A |
| E | 5-13-72 | BRAIN J GAIN | 9.03 |
| ROAD | N/A | TAYLOR CO. RT. 34 | N/A |
| CREEK | N/A | BUCK RUN | N/A |
| F | 4-4-3 | JUANITA M RIFFLE (LF) & ROBERT G RIFFLE JR | 249.18 |
| G | 4-4-4 | JENNIE ANITA FINDLEY | 178 |
| H | 4-9-9 | VICTORY REAL ESTATE HOLDINGS LLC | 106.31 |
| I | 4-9-11 | PAMELA ANN HAYS & ADAM E HAYS | 8.5 |
| J | 4-9-15 | GARY L BUTCHER & ROBIN L MERCER | 4 |
| ROAD | N/A | TAYLOR CO. RT. 13 | N/A |
| K | 4-9-52.1 | FLORENCE A RUNNER (HEIRS) | 4.65 |
| L | N/A | CSX RAILROAD | N/A |
| M | 4-9-44 | JACKIE LEE CHARLTON (LF) & JACKIE LEE CHARLTON II | 5.44 |
| CREEK | N/A | RIGHT FORK OF SIMPSON CREEK | N/A |
| ROAD | N/A | TAYLOR CO. RT. 13/21 | N/A |
| N | 4-9-52 | ERIC SALTIS | 19.347 |
| O | 4-9-47 | DEBRA K DANIEL SCOTT SETLER & JASON RYAN | 0.73 |
| P | 5-14-45.2 | BARBARA J SPENCER | 146.65 |
| CREEK | N/A | GABE FORK | N/A |
| ROAD | N/A | TAYLOR COUNTY ROUTE 13/5 | N/A |
| Q | 5-14-63.1 | HARRYMAN PATRICIA J REVOCABLE TRUST-2021 | 26.3 |
| R | 5-14-63.2 | JUSTIN BARTLETT | 10 |
| S | 5-14-63.4 | KENNETH & SARAH REED | 4.69 |
| T | 5-14-67 | MARK LEWIS STOUT | 269 |
| U | 5-14-68 | HARRYMAN PATRICIA J REVOCABLE TRUST-2021 | 119.44 |
| V | 5-20-5 | BECKWITH LUMBER COMPANY INC | 48.1 |
| W | 9-8-11 | JEFFERY L MOSS ET AL | 242 |
| X | 9-8-10 | MICHAEL A & KIMBERLY WILSON | 234.38 |

FILE NO. 9554P202R-050826.dwg

DATE MAY 20 , 20 26

REVISED

OPERATORS WELL NO. 202

API WELL NO. 47 — 091 — 01384
STATE COUNTY PERMIT

GREGORY A. SMITH
LICENSED
No. 677
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

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

06/05/2026

P.S. 677 Gregory A. Smith

COUNTY NAME

PERMIT

**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

**Attachment to WW-6A1, Flanders 202**

| Tag, Parcel, Lease # | Grantor, Lessor, Assignor, etc. | Grantee, Lessee, Assignee, etc. | Book/Page | Royalty | Acreage |
|---|---|---|---|---|---|
| **A, B**<br>47-091-5-13A-2<br>& 47-091-5-13-37<br>(00004300) | Elladean Railing and Ethel Railing | Petroleum Development Corporation | 42/214 | 12.5+% | 106.5475 |
| | Petroleum Development Corporation | PDC Mountaineer LLC | 30/698 | | |
| | PDC Mountaineer LLC | River Ridge Energy, LLC | 59/1263 | | |
| **C**<br>47-091-5-13-38<br>(00003973) | Elladean Railing and Ethel Railing | Petroleum Development Corporation | 42/171 | 12.5+% | 82.4625 |
| | Petroleum Development Corporation | PDC Mountaineer LLC | 30/698 | | |
| | PDC Mountaineer LLC | River Ridge Energy, LLC | 59/1263 | | |
| ROAD | TAYLOR COUNTY | ROUTE 34/2 | | | |
| CREEK | CHICKEN RUN | | | | |
| **D, E, F**<br>47-091-5-13-70<br>47-091-5-13-72<br>47-091-4-4-3<br>(00008300) | Laco B. Corder | Petro-Lewis Corporation | 33/211 | 12.5+% | 300 |
| | Petro-Lewis Corporation | Partnership Properties Co | 3/176 | | |
| | Partnership Properties Co | Eastern American Energy Corporation | 4/381 | | |
| | Eastern American Energy Corporation | Energy Corporation of America | 314/429 | | |
| | Energy Corporation of America | Greylock Production LLC | 36/618 | | |
| | Greylock Production LLC | Mar Key LLC | 37/8 | | |
| ROAD | TAYLOR COUNTY | ROUTE 34 | | | |
| CREEK | BUCK RUN | | | | |
| **G**<br>47-091-4-4-4 | HAL S AND JENNIE A FINDLEY | Pittsburgh Plate Glass Company | 27/4 | 12.5+% | 173.43 |
| | Pittsburgh Plate Glass Company | White Shield Oil and Gas Co | 3/95 | | |
| | White Shield Oil and Gas Co | Partnership Properties Co | 3/126 | | |

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

## Attachment to WW-6A1, Flanders 202

| Tag, Parcel, Lease # | Grantor, Lessor, Assignor, etc. | Grantee, Lessee, Assignee, etc. | Book/Page | Royalty | Acreage |
|---|---|---|---|---|---|
| | Partnership Properties Co | Eastern American Energy Corporation | 4/381 | | |
| | Eastern American Energy Corporation | Petroleum Development Corporation | 10/718 | | |
| | Eastern American Energy Corporation | Energy Corporation of America | 30/667 | | |
| | Energy Corporation of America | Greylock Production LLC | 37/642 | | |
| | Greylock Production LLC | Mar Key LLC | 37/8 | | |
| H<br>47-091-4-9-9<br>(00009807) | VICTORY REAL ESTATE HOLDINGS | Mar Key LLC | 76/362 | 12.5+% | 121.31 |
| I<br>47-091-4-9-11<br>(00009935) | PAMELA ANN HAYS AND ADAM E HAYS | Mar Key LLC | 76/517 | 12.5+% | 8.5 |
| J<br>47-091-4-9-15<br>(00009822) | GARY L BUTCHER | Mar Key LLC | 76/723 | 12.5+% | 4 |
| ROAD | TAYLOR COUNTY | ROUTE 13 | | | |
| K<br>47-091-4-9-52.1<br>(00010155) | THE REVOCABLE TRUST AGREEMENT OF NANCY J JONES | Mar Key LLC | SEE ATTACHED LEASE COPY | 12.5+% | 24.65 |
| L | CSX RAILROAD | | | | |
| M, N<br>47-091-4-9-44<br>47-091-4-9-52<br>(00008053) | JACKIE LEE CHARLTON LIFE ESTATE | Mar Key LLC | 69/49 | 12.5+% | 5.44 |
| CREEK | RIGHT FORK OF | SIMPSON CREEK | | | |
| ROAD | TAYLOR COUNTY | ROUTE 13/21 | | | |
| O<br>47-091-4-9-47<br>(00007885) | JASON RYAN SETLER | Mar Key LLC | 68/646 | 12.5+% | 0.56 |

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

## Attachment to WW-6A1, Flanders 202

| Tag, Parcel, Lease # | Grantor, Lessor, Assignor, etc. | Grantee, Lessee, Assignee, etc. | Book/Page | Royalty | Acreage |
|---|---|---|---|---|---|
| O<br>47-091-4-9-47<br>(00008061) | DANIEL SCOTT SETLER | Mar Key LLC | 69/68 | 12.5+% | 0.56 |
| O<br>47-091-4-9-47<br>(00008062) | DEBRA KAY SETLER | Mar Key LLC | 69/70 | 12.5+% | 0.56 |
| P, Q, R, S, U, V<br>47-091-5-14-45.2<br>47-091-5-14-63.1<br>47-091-5-14-63.2<br>47-091-5-14-63.4<br>47-091-5-14-68<br>47-091-5-20-5<br>(00003535) | ROBERT H BARTLETT ET AL | Petroleum Development Corporation | 43/463 | 12.5+% | 207.5 |
| | Petroleum Development Corporation | PDC Mountaineer LLC | 30/698 | | |
| | PDC Mountaineer LLC | River Ridge Energy, LLC | 59/1263 | | |
| P<br>47-091-5-14-45.2<br>(00009683) | JANICE MARIE RATCLIFF | Mar Key LLC | 76/260 | 12.5+% | 53.75 |
| P<br>47-091-5-14-45.2<br>(00009684) | SHERRILL ANN THOMPSON | Mar Key LLC | 76/248 | 12.5+% | 53.75 |
| P<br>47-091-5-14-45.2<br>(00009696) | RONDA LAVY | Mar Key LLC | 76/224 | 12.5+% | 53.75 |
| P<br>47-091-5-14-45.2<br>(00009697) | RODNEY STALNAKER | Mar Key LLC | 76/238 | 12.5+% | 53.75 |
| P<br>47-091-5-14-45.2<br>(00009710) | SCOTT M BURGESS | Mar Key LLC | 76/216 | 12.5+% | 53.75 |

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

## Attachment to WW-6A1, Flanders 202

| Tag, Parcel, Lease # | Grantor, Lessor, Assignor, etc. | Grantee, Lessee, Assignee, etc. | Book/Page | Royalty | Acreage |
|---|---|---|---|---|---|
| P<br>47-091-5-14-45.2<br>(00009724) | WILLIAM D STALNAKER | Mar Key LLC | 76/278 | 12.5+% | 53.75 |
| P<br>47-091-5-14-45.2<br>(00009748) | LESLIE RHYNARD | Mar Key LLC | 76/311 | 12.5+% | 53.75 |
| T, W<br>47-091-5-14-67<br>47-001-9-8-11<br>(00005165) | MARK LEWIS STOUT ET UX | PDC Mountaineer LLC | 64/51 | 12.5+% | 269 |
| W<br>47-001-9-8-11<br>(00003576) | PDC Mountaineer LLC<br>FLOYD AND NORA JANE MOSS | River Ridge Energy, LLC<br>CUMBERLAND AND ALLEGHENY GAS | 59/1263<br>46/36 | 12.5+% | 245 |
| | Cumberland and Allegheny Gas<br>Union Drilling Inc<br>Equitable Resources Exploration<br>Equitable Resources Energy<br>Enervest East LP<br>Equitable Resources Energy<br>Fuel Resources Production<br>The Houston Exploration Company<br>Seneca-Upshur Petroleum Inc | Union Drilling Inc<br>Equitable Resources Exploration<br>Equitable Resources Energy<br>Enervest East LP<br>The Houston Exploration Co<br>Fuel Resources Production<br>The Houston Exploration Co<br>Seneca Upshur Petroleum Inc<br>Seneca-Upshur Petroleum LLC | 46/347<br>325/219<br>328/171<br>129/524<br>138/1<br>116/81<br>383/187<br>404/381<br>447/129 | | |
| X<br>47-001-9-8-10<br>(00009665) | DORIS C STOUT IRREVOCABLE TRUST | Mar Key LLC | 186/173 | 12.5+% | 239.5 |

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

**MEMORANDUM OF NO SURFACE USE OIL AND GAS LEASE**

**State of West Virginia**

**County Taylor**

**Lessor:** Ellen J. Lutes and Elizabeth A. Kasenetz, Co-Trustees of The Revocable Trust Agreement of Nancy J. Jones

**Lessor's Address:** 197 Johnson Drive Grafton, WV 26354

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of Environmental Protection

**Lessee:** Mar Key, LLC.

**Lessee's Address:** 6031 Wallace Road Extension, Suite 200
Wexford, PA 15090

**Date Executed:** May 12 2026

**Effective Date:** _____

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) **205, 186**, at Page(s) **355, 364**, dated **8/5/1985, 5/8/1980** and recorded in the Recorder's Office of said County, containing **24.65000** acres, more or less. Said Leased Premises, including but not limited to tract(s) being identified for tax purposes as parcel number(s) **47-091-4-9-52, 47-091-4-9-52.1, 47-091-4-9-52.2**, 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 **205, 186**, at Page **355, 364** 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:

Ada R Pett

Kenneth Stewart

**LESSORS:**
**THE REVOCABLE TRUST OF NANCY J. JONES**

Ellen J Lutes, trustee
By: Ellen J. Lutes, Trustee

Elizabeth A. Kasenetz Trustee
By: Elizabeth A. Kasenetz, Trustee

**LESSEE:**
Mar Key, LLC

By: **Jon Sheldon**
Its: **SVP & COO**

06/05/2026

RECEIVED
Office of Oil and Gas
JUN 01 2026
WV Department of
Environmental Protection

ACKNOWLEDGMENT

STATE OF WEST VIRGINIA )
) SS:
COUNTY OF TAYLOR )

On this the 12 day of MAY, 2026, before me, the undersigned officer, appeared Ellen J. Lutes, Trustee, 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: June 30 2028

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
William H Jett Jr.
Jett Printing, LLC
224 W Main St.
Grafton, WV 26354
My Commission Expires June 30, 2028

Signature/Notary Public: [signature]

Name/Notary Public (print): William H. Jett Jr

ACKNOWLEDGMENT

STATE OF WEST VIRGINIA )
) SS:
COUNTY OF TAYLOR )

On this the 12 day of MAY, 2026, before me, the undersigned officer, appeared Elizabeth A. Kasenetz, Trustee, 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: June 30 2028

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
William H Jett Jr.
Jett Printing, LLC
224 W Main St.
Grafton, WV 26354
My Commission Expires June 30, 2028

Signature/Notary Public: [signature]

Name/Notary Public (print): William H. Jett Jr

ACKNOWLEDGMENT

COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF ALLEGHENY )

On this the _____ day of_____, 2026, 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

06/05/2026

ARSENAL RESOURCES

People Powered. Asset Strong.

May 27, 2026

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

**RE: Flanders #201 and 202 (47-091-01383 and 47-091-01384) - Expedited Modifications Due to Well Extensions**

Dear Mr. Brewer,

Enclosed please find the permit modifications for the Flanders #201 and 202 (47-091-01383 and 47-091-01384) laterals.

The wellhead locations remain the same as the current permits. The wells are being extended to the planned lateral lengths of 26,367' and 17,930', respectively.

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

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

Sincerely,

Emily Glick

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

RECEIVED
Office of Oil and Gas
JUN 01 2026
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

06/05/2026