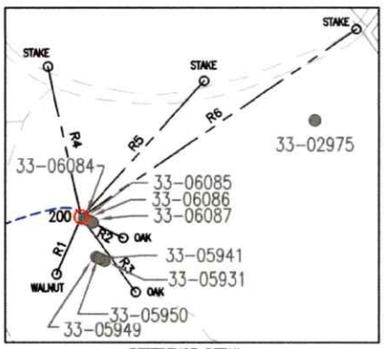
BHL is located on topo map 11,452 feet south of Latitude: 39°15'00"
SHL is located on topo map 9,144 feet south of Latitude: 39°17'30"

BHL is located on topo map 1,164 feet west of Longitude: 80°12'30"
SHL is located on topo map 2,883 feet west of Longitude: 80°12'30"

AS-DRILLED PLAT



REFERENCE DETAIL
SCALE 1" = 800'

LINE	BEARING	DISTANCE
R1	S 22°53'36" W	301.95'
R2	S 63°33'54" E	227.60'
R3	S 36°00'46" E	448.90'
R4	N 12°26'56" W	746.10'
R5	N 41°56'04" E	885.85'
R6	N 55°36'18" E	1605.75'

J OSBORN HSOP 16 200 PERMITTED		
SURFACE HOLE LOCATION (SHL)		
UTM 17-NAD83 (M)	NAD83, WV NORTH (FT)	NAD83, GEOGRAPHIC
NORTHING: 4346642.057	NORTHING: 279992.657	LAT-(N) 39.266498
EASTING: 567437.973	EASTING: 1765143.777	LONG-(W) 80.218260
LANDING POINT LOCATION (LPL)		
UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)	NAD83, GEOGRAPHIC
NORTHING: 4346037.698	NORTHING: 278071.577	LAT-(N) 39.261141
EASTING: 566301.032	EASTING: 1761380.052	LONG-(W) 80.231498
BOTTOM HOLE LOCATION (BHL)		
UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)	NAD83, GEOGRAPHIC
NORTHING: 4342820.267	NORTHING: 267450.228	LAT-(N) 39.232061
EASTING: 567468.512	EASTING: 1765035.440	LONG-(W) 80.218289

J OSBORN HSOP 16 200 AS DRILLED		
SURFACE HOLE LOCATION (SHL)		
UTM 17-NAD83 (M)	NAD83, WV NORTH (FT)	NAD83, GEOGRAPHIC
NORTHING: 4346642.058	NORTHING: 279992.660	LAT-(N) 39.266498
EASTING: 567437.974	EASTING: 1765143.780	LONG-(W) 80.218260
LANDING POINT LOCATION (LPL)		
UTM 17-NAD83 (M)	NAD83, WV NORTH (FT)	NAD83, GEOGRAPHIC
NORTHING: 4346010.344	NORTHING: 277981.720	LAT-(N) 39.260894
EASTING: 566302.833	EASTING: 1761384.470	LONG-(W) 80.231480
BOTTOM HOLE LOCATION (BHL)		
UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)	NAD83, GEOGRAPHIC
NORTHING: 4341323.563	NORTHING: 262509.210	LAT-(N) 39.218533
EASTING: 568013.771	EASTING: 1766743.000	LONG-(W) 80.212122

NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.
7. Topo Mark Scale is 1"=2000'.

SHL

RECEIVED
Office of Oil and Gas
AUG 07 2026
WV Department of
Environmental Protection

BHL

THRASHER
THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

SEE PAGES 2-3 FOR PLAT
SEE PAGE 4 FOR SURFACE OWNER TABLE

FILE #: J OSBORN HSOP 16 200
DRAWING #: J OSBORN HSOP 16 200
SCALE: AS SHOWN
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: Joseph H. Lowther
R.P.E.: L.L.S.: P.S. No. 2346

JOSEPH H. LOWTHER LICENSED No. 2346 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: JULY 27, 2026
OPERATOR'S WELL #: J OSBORN HSOP 16 200
API WELL #: 47 (STATE) 033 (COUNTY) 06115 (PERMIT)

Well Type: [X] Gas [ ] Oil [ ] Waste Disposal [ ] Liquid Injection [X] Production [ ] Storage [ ] Deep [X] Shallow

WATERSHED: SIMPSON CREEK
ELEVATION: 1164.03'±
COUNTY/DISTRICT: HARRISON / SIMPSON
QUADRANGLE: ROSEMONT, WV 7.5'
SURFACE OWNER: JUDY M OSBORN (LE) (JUDY M OSBORN IRREVOCABLE TRUST)
ACREAGE: 70.00±
OIL & GAS ROYALTY OWNER: GOBEL OSBORN, ET AL
ACREAGE: 1,399.52±

DRILL [X] CONVERT [ ] DRILL DEEPER [ ] REDRILL [ ] FRACTURE OR STIMULATE [X]
PLUG OFF OLD FORMATION [ ] PERFORATE NEW FORMATION [ ] PLUG & ABANDON [ ]
CLEAN OUT & REPLUG [ ] OTHER CHANGE [ ] (SPECIFY):

08/28/2026

TARGET FORMATION: MARCELLUS
ESTIMATED DEPTH: 7470.2'± TVD / 25,438'± TMD

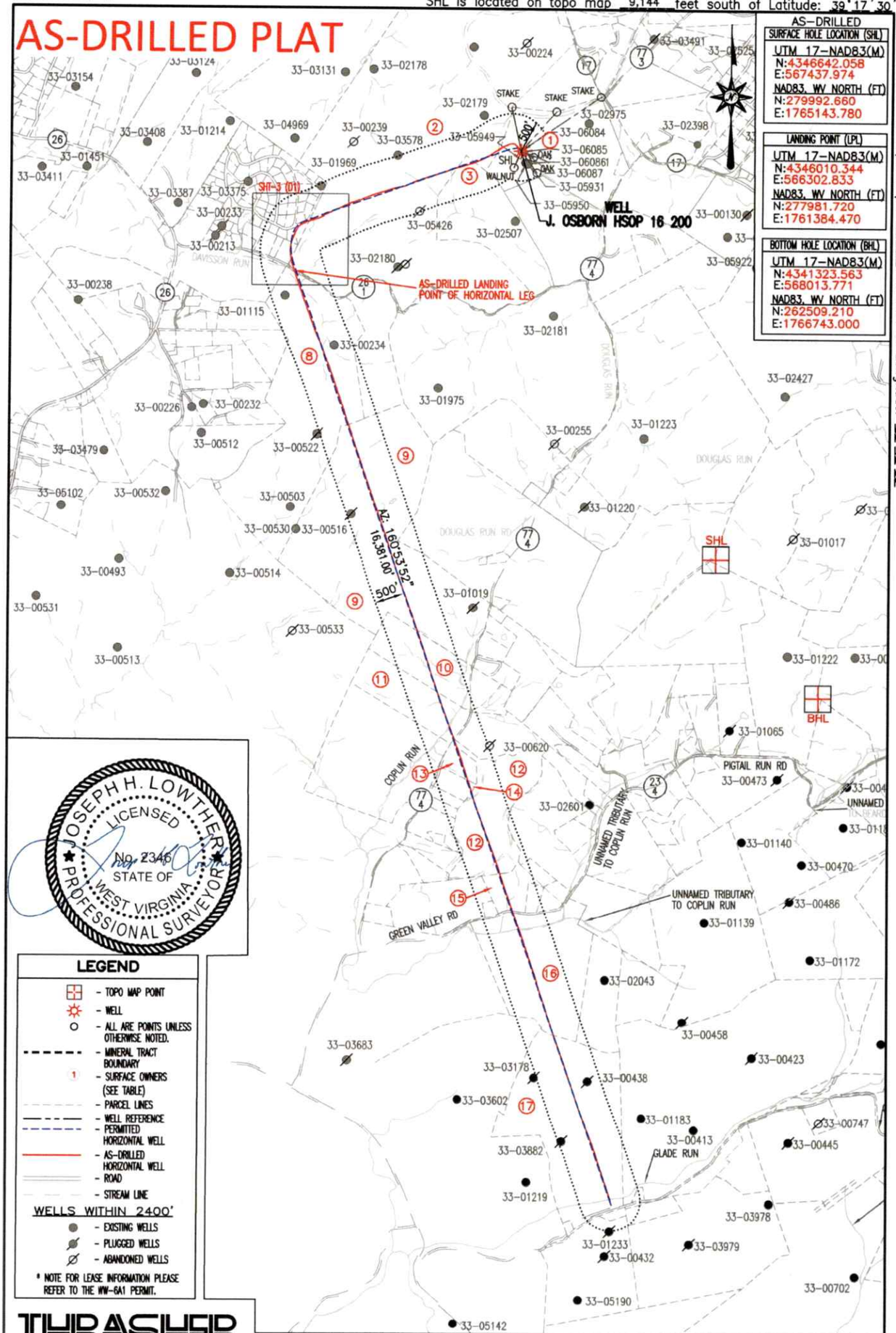
WELL OPERATOR: ARSENAL RESOURCES
Address: 6031 WALLACE ROAD EXTENSION, SUITE 200
City: WEXFORD State: PA Zip Code: 15090

DESIGNATED AGENT: ERIC MORRIS
Address: 633 WEST MAIN ST.
City: BRIDGEPORT State: WV Zip Code: 26330

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SHL is located on topo map 9,144 feet south of Latitude: 39°17'30"

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AS-DRILLED PLAT



JOSEPH H. LOWTHER
LICENSED
No. 2346
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- SURFACE OWNERS (SEE TABLE)
- PARCEL LINES
- WELL REFERENCE
- PERMITTED HORIZONTAL WELL
- AS-DRILLED HORIZONTAL WELL
- ROAD
- STREAM LINE

WELLS WITHIN 2400'

- EXISTING WELLS
- PLUGGED WELLS
- ABANDONED WELLS

* NOTE FOR LEASE INFORMATION PLEASE REFER TO THE WW-6A1 PERMIT.

THRASHER
THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

SEE PAGE 3 FOR INSET DUE TO PARCEL SIZE
SEE PAGE 4 FOR SURFACE OWNERS TABLE

DATE: JULY 27, 2026

08/28/2026

OPERATOR'S WELL #: J OSBORN HSOP 16 200

API WELL #: 47 (STATE) 033 (COUNTY) 06115 (PERMIT)

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

FILE #: J OSBORN HSOP 16 200
DRAWING #: J OSBORN HSOP 16 200
SCALE: 1" = 2000'

WELL OPERATOR ARSENAL RESOURCES
Address 6031 WALLACE ROAD EXTENSION, SUITE 200
City WEXFORD State PA Zip Code 15090

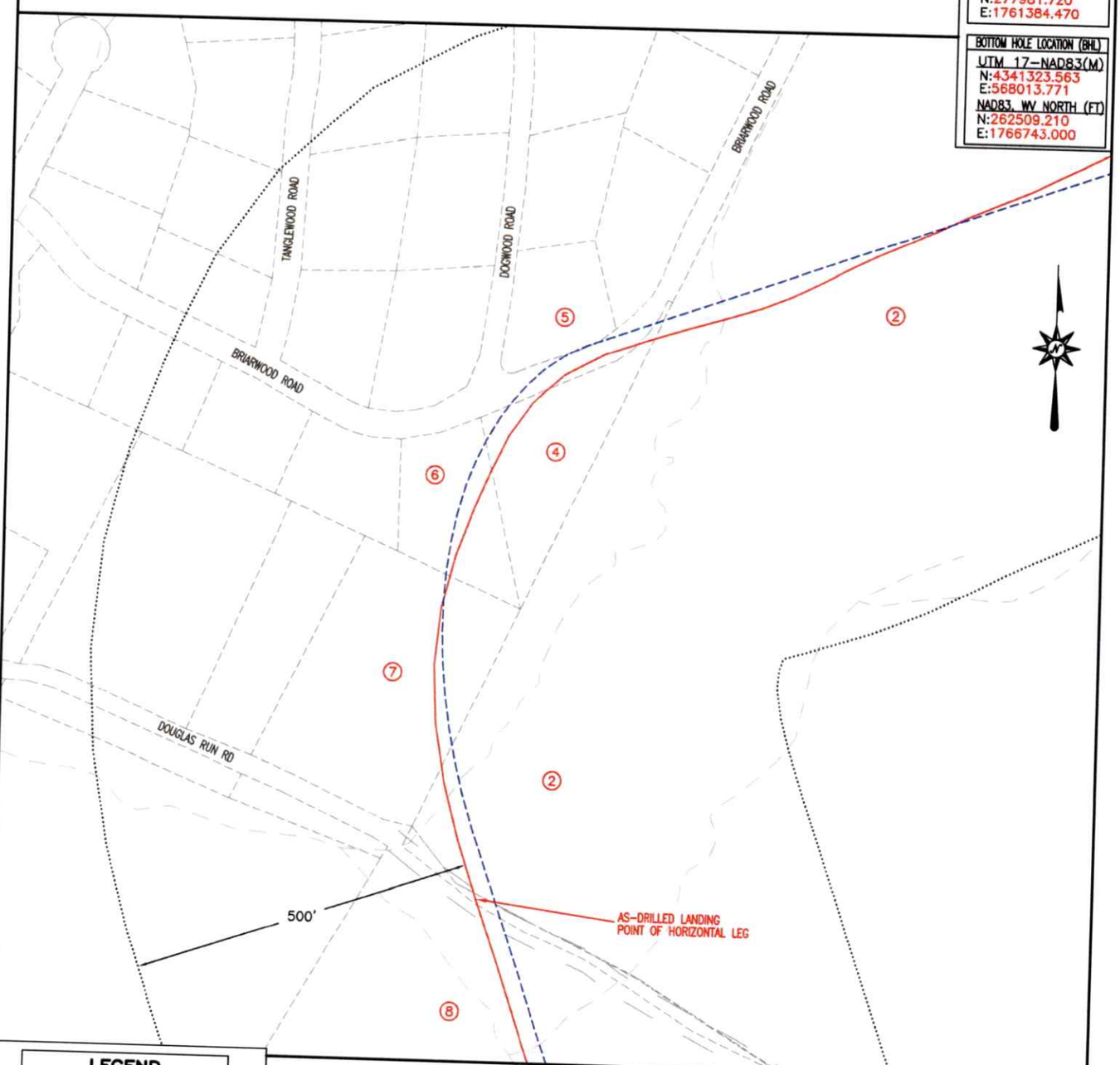
DESIGNATED AGENT ERIC MORRIS
Address 633 WEST MAIN ST.
City BRIDGEPORT State WV Zip Code 26330

J OSBORN HSOP 16 200 AS-DRILLED

J OSBORN HSOP 16 200 AS-DRILLED

AS-DRILLED PLAT

AS-DRILLED	
SURFACE HOLE LOCATION (SHL)	
UTM 17-NAD83(M)	
N:	4346642.058
E:	567437.974
NAD83, WV NORTH (FT)	
N:	279992.660
E:	1765143.780
LANDING POINT (LPL)	
UTM 17-NAD83(M)	
N:	4346010.344
E:	566302.833
NAD83, WV NORTH (FT)	
N:	277981.720
E:	1761384.470
BOTTOM HOLE LOCATION (BHL)	
UTM 17-NAD83(M)	
N:	4341323.563
E:	568013.771
NAD83, WV NORTH (FT)	
N:	262509.210
E:	1766743.000



LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
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WELLS WITHIN 2400'

- EXISTING WELLS
- PLUGGED WELLS
- ABANDONED WELLS

* NOTE FOR LEASE INFORMATION PLEASE REFER TO THE WW-6A1 PERMIT.

SHT-3 (D1)
SCALE 1" = 200'

RECEIVED
Office of Oil and Gas
AUG 07 2026
WV Department of
Environmental Protection

THRASHER
THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

JOSEPH C. WITHERS
LICENSED
No. 2345
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

08/28/2026

JULY 27, 2026

AS-DRILLED PLAT

J OSBORN WELL 200			
ID	SURFACE OWNER	DIST-TM-PAR	ACREAGE
1	OSBORN JUDY M (LE) (JUDY M OSBORN IRREVOCABLE TRUST)	15-0330-0005	56.67
2	HARRON CAROLYN S	15-0330-0003	355.02
3	DAVIS CHARLES THOMAS II	15-0330-0004	41.84
2	HARRON CAROLYN S	15-0330-0003	355.02
4	ADLINGTON RODNEY LYNN & ALLISON LYNN	16-2423-0052	0.91
ROAD	BRIARWOOD ROAD	N/A	N/A
5	BIFANO CHRISTOPHER P & CHERYL	16-2423-0048	0.52
ROAD	BRIARWOOD ROAD	N/A	N/A
4	ADLINGTON RODNEY LYNN & ALLISON LYNN	16-2423-0052	0.91
6	BUSH THOMAS E III & CYNTHIA J	16-2423-0051	0.71
7	MICHEL THOMAS H & JONALEE A	15-0330-0024-0002	2.20
2	HARRON CAROLYN S	15-0330-0003	355.02
ROAD	DOUGLAS RUN	N/A	N/A
8	PHILLIPS JAMES P & COURTNEY L	15-0330-0024-0000	162.91
9	PHILLIPS JAMES P & COURTNEY	15-0350-0002-0000	158.49
10	ROLLINS JOHN C	15-0350-0010-0000	28.74
11	ROLLINS JOHN C	15-0350-0011-0000	29.52
ROAD	COPLIN RUN ROAD	N/A	N/A
12	FLESHER NICHOLAS A & MEGHAN A	15-0350-0022-0000	44.00
13	MCKINNEY PAUL SCOTT	15-0350-0022-0003	4.61
14	BEDNAR DANIEL S & MITZI D	15-0350-0022-0004	4.08
12	FLESHER NICHOLAS A & MEGHAN A	15-0350-0022-0000	44.00
15	ROBINSON JOHN E & SHAREN K	15-0370-0006-0006	13.22
ROAD	COPLIN RUN ROAD	N/A	N/A
16	TUCKER MARY M ETAL	15-0370-0008-0000	67.45
17	KIRK JOEL C	15-0370-0020-0000	104.85

THRASHER

THE THRASHER GROUP, INC.
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BRIDGEPORT, WV 26330
PHONE 304-624-4108

DATE: JULY 27, 2026

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API WELL #: 47 (STATE) 033 (COUNTY) 06115 (PERMIT)

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STATE OF WEST VIRGINIA
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ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

08/28/2026

FILE #: J OSBORN HSOP 16 200
DRAWING #: J OSBORN HSOP 16 200
SCALE: N/A

DESIGNATED AGENT ERIC MORRIS
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City BRIDGEPORT State WV Zip Code 26330