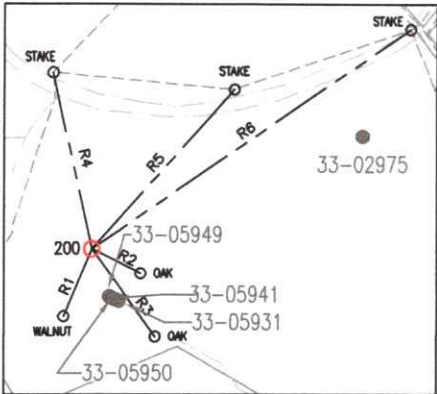


BHL is located on topo map 6,521 feet south of Latitude: 39°15'00"
SHL is located on topo map 9,144 feet south of Latitude: 39°17'30"



REFERENCE DETAIL
SCALE 1" = 800'

J OSBORN HSOP 16 200		
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

LINE	BEARING	DISTANCE
R1	S 22°53'36" W	301.95'
R2	S 63°33'58" E	227.60'
R3	S 36°00'48" E	448.89'
R4	N 12°26'55" W	746.13'
R5	N 41°56'04" E	885.85'
R6	N 55°36'18" E	1605.75'



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'.

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



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



DATE: JUNE 9, 2025
OPERATOR'S WELL #: J OSBORN HSOP 16 200
API WELL #: 47 33 06115
STATE COUNTY PERMIT

Well Type: ☐ Oil ☐ Waste Disposal ☒ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☐ Storage ☒ 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±

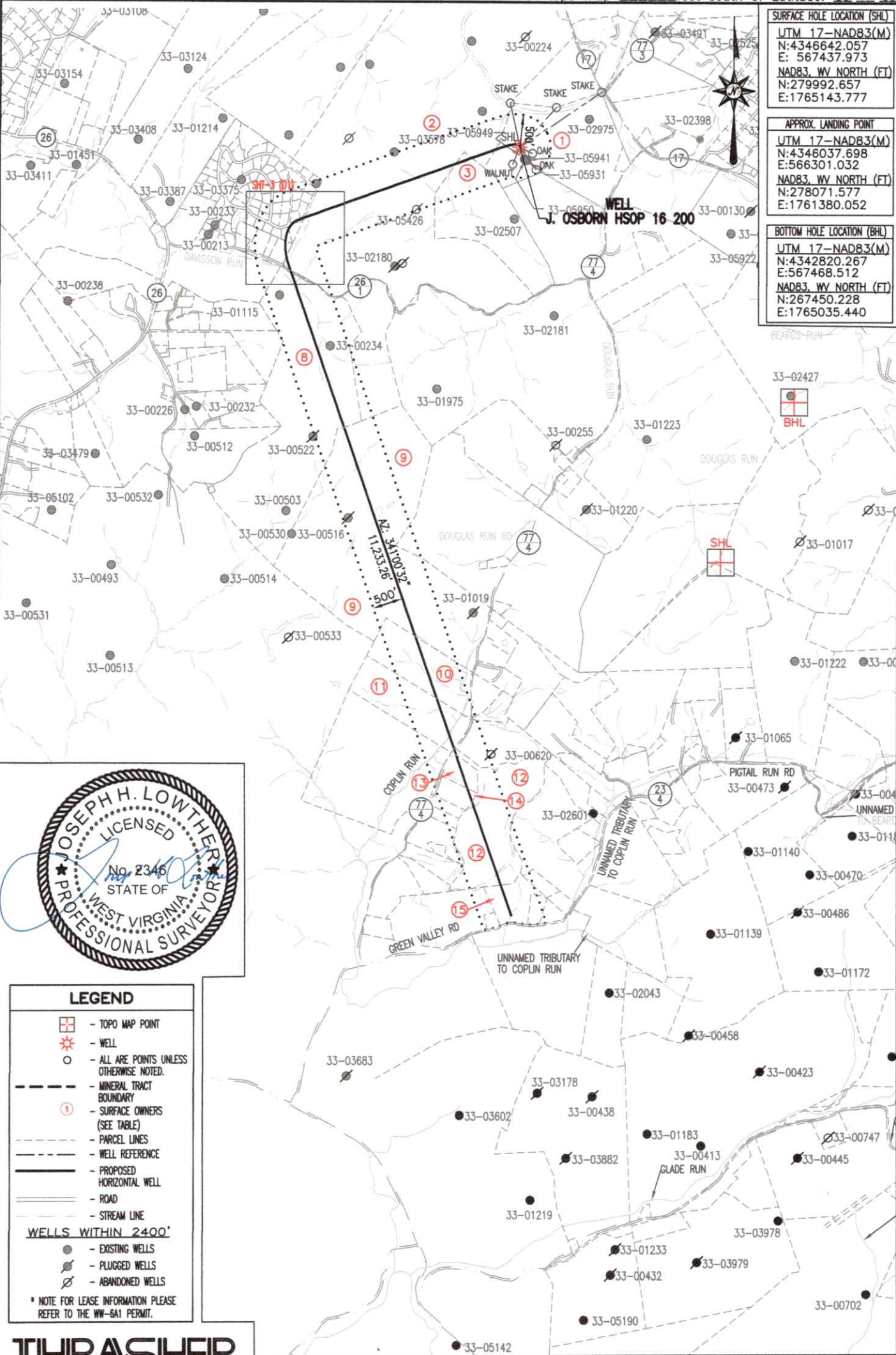
DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒
PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7220'± TMD / 20,200'± TMD

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT ERIC MORRIS
Address 6031 WALLACE ROAD EXTENSION, SUITE 200 Address 633 WEST MAIN ST.
City WEXFORD State PA Zip Code 15090 City BRIDGEPORT State WV Zip Code 26330

BHL is located on topo map 1,692 feet west of Longitude: 80°12'45"
SHL is located on topo map 2,883 feet west of Longitude: 80°12'30"

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LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- 1 SURFACE OWNERS (SEE TABLE)
- PARCEL LINES
- WELL REFERENCE
- PROPOSED 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

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BRIDGEPORT, WV 26330
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SEE PAGE 3 FOR INSET DUE TO PARCEL SIZE

SEE PAGE 4 FOR SURFACE OWNERS TO BE

07/11/2025

DATE: JUNE 9, 2025
OPERATOR'S WELL #: J OSBORN HSOP 16 200
API WELL #: 47 33 06115
STATE COUNTY PERMIT

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

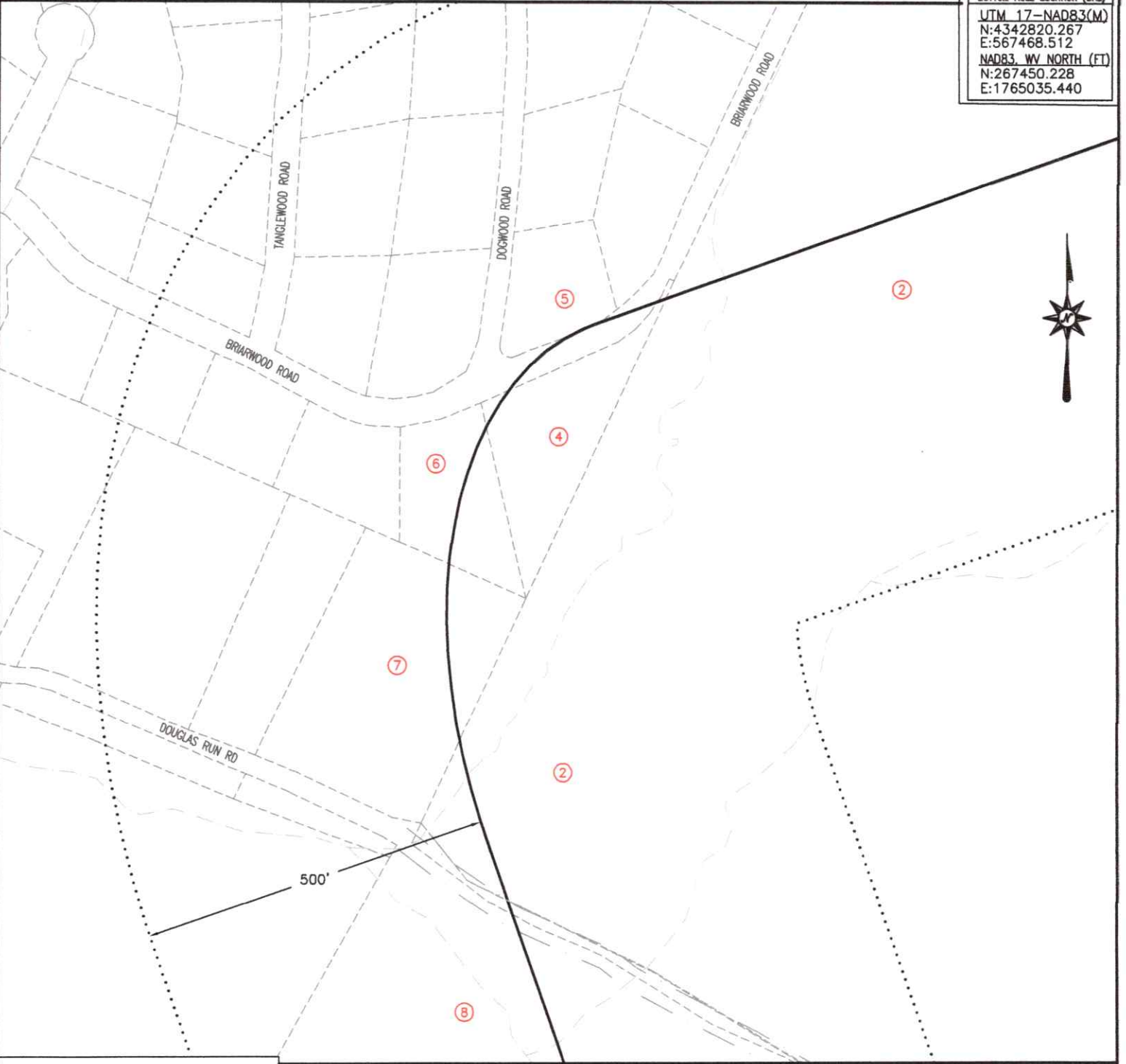
STATE OF WEST VIRGINIA
DIVISION OF
ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FILE #: J OSBORN HSOP 16 200
DRAWING #: J OSBORN HSOP 16 200
SCALE: 1" = 2000'
DESIGNATED AGENT ERIC MORRIS
Address 633 WEST MAIN ST.
City BRIDGEPORT State WV Zip Code 26330

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UTM 17-NAD83(M)
N:4346642.057
E: 567437.973
NAD83, WV NORTH (FT)
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UTM 17-NAD83(M)
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E:566301.032
NAD83, WV NORTH (FT)
N:278071.577
E:1761380.052

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4342820.267
E:567468.512
NAD83, WV NORTH (FT)
N:267450.228
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LEGEND

- TOPO MAP POINT

- WELL

- ALL ARE POINTS UNLESS OTHERWISE NOTED.

- MINERAL TRACT BOUNDARY

- SURFACE OWNERS (SEE TABLE)

- PARCEL LINES

- WELL REFERENCE

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WELLS WITHIN 2400'

- EXISTING WELLS

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- ABANDONED WELLS

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

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07/11/2025

J OSBORN WELL 200			
ID	SURFACE OWNER	DIST-TM-PAR	ACREAGE
1	OSBORN JUDY M (LE) (JUDY M OSBORN IRREVOCABLE	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

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07/11/2025

DATE: JUNE 9, 2025	 STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS	FILE #: J OSBORN HSOP 16 200
OPERATOR'S WELL #: J OSBORN HSOP 16 200		DRAWING #: J OSBORN HSOP 16 200
API WELL #: 47 33 06115 STATE COUNTY PERMIT		SCALE: N/A
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