

BHL is located on topo map 12.474 feet south of Latitude: 39° 15' 00"
 SHL is located on topo map 9.365 feet south of Latitude: 39° 17' 30"

4703306013

	SURFACE OWNER	DIST-TM/PAR
1	JUDY M. OSBORN (LE) (JUDY M. OSBORN IRREVOCABLE TRUST)	15-330/5
2	CHARLES THOMAS DAVIS II, ET AL	15-330/4
3	CAROLYN S. HARRON	15-330/3
4	CHARLES E. REED 1/2 INTEREST GERALD W. BURNER ET AL 1/2 INTEREST	15-330/25
5	MICHAEL A. & ROBERTA OSBORN	15-350/4
6	GORDON F. OSBORN (LE) (BRIAN MATTHEW OSBORN)	15-350/3
7	GORDON F. OSBORN (LE) (BRIAN MATTHEW OSBORN)	15-350/3.3
8	GORDON F. & DONNA R. OSBORN (BRIAN MATTHEW OSBORN)	15-350/3.1
9	GORDON F. OSBORN	15-350/16.1
10	ANNESE FRANK	15-350/16.3
11	DONALD N. & CYNTHIA J. McHENRY	15-350/16.4
12	MICHAEL DAVID & REBECCA JANE CONLEY	15-350/16
13	JASON J. POIH	15-350/16.9
14	KILI K. PALACAT	15-350/23.1
15	KILI K. PALACAT	15-350/23.2
16	TABITHA JO BENNETT	15-350/23.4
17	CHARLES W. CLEVINGER IRR TRUST	15-350/24
18	CHARLES W. CLEVINGER IRR TRUST	15-370/10
19	CHARLES W. CLEVINGER IRR TRUST	15-370/12
20	CHARLES W. CLEVINGER IRR TRUST	15-370/13
21	SHAWN R. NEWBROUGH	15-370/21
22	JOHN JAMES JONES C/O ANTHONY JONES	15-370/27
23	CHARLES A. & JOYCE G. MATHENY	15-370/28.1
23	CHARLES A. & JOYCE G. MATHENY	15-370/28

	LESSOR	DIST-TM/PAR
A	GOBEL OSBORN, ET AL	15-330/5
B	CHARLES THOMAS DAVIS, ET UX	15-330/4
C	GEORGE T. FARRIS, ET AL	15-330/3
D	JOHN B. WEBB, ET AL	15-330/25
E	MICHAEL A. OSBORN ET UX	15-350/4
F	XTO ENERGY INC.	15-350/3.3
		15-350/3.1
G	REBECCA A. COMPTON; JAMES MICHAEL COMPTON & JENNIFER NORA COMPTON	15-350/16.1
		15-350/16.3
		15-350/16
		15-350/16.9
H	PATRICIA MOORE	15-350/23.2
		*15-350/23.6
		15-350/23
	TRACY H. McDONALD	P/O 15-350/23.1
I	TABITHA JO BENNETT	15-350/23.4
J	CHARLES W. CLEVINGER IRR TRUST	15-370/10
		15-370/11
		15-370/12
K	N. D. PARKS ET AL	15-370/21
L	JOHN JAMES JONES AUDREY U. DAVIS ET UX.	P/O 15-370/27
		15-370/28.1
		15-370/28
M	GEORGE T. FARRIS, ET AL	15-350/4
		15-350/10
		15-350/11
		15-350/12
		15-350/14
		15-370/13
		15-370/29
N	W. R. JOHNSON ET AL	15-371/2.1
		15-371/2



SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4348587.042
 E:567471.253
 NAD83_WV NORTH (FT)
 N:279810.314
 E:1765248.976

APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4346128.989
 E:566856.606
 NAD83_WV NORTH (FT)
 N:278340.816
 E:1763208.089

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4341028.985
 E:568712.358
 NAD83_WV NORTH (FT)
 N:261504.412
 E:1769019.270

THRASHER

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

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL

FILE #: J OSBORN HSOP 16 501
 DRAWING #: J OSBORN HSOP 16 501
 SCALE: 1" = 2000'
 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: NOVEMBER 18, 2021
 OPERATOR'S WELL #: J OSBORN HSOP 16 501
 API WELL #: 47 33
 STATE COUNTY PERMIT

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

WATERSHED: SIMPSON CREEK ELEVATION: 1163.30'±
 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: 1,355.14±
 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: (LATERAL) IVD: 7475'± IMD: 26,315'±
 WELL OPERATOR: ARSENAL RESOURCES DESIGNATED AGENT: GARY SHORT
 Address: 6031 WALLACE ROAD EXTENSION, SUITE 300 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 10.646 feet west of Longitude: 80° 10' 00"
 SHL is located on topo map 2.761 feet west of Longitude: 80° 12' 30"

AOR- Attachment "A1"

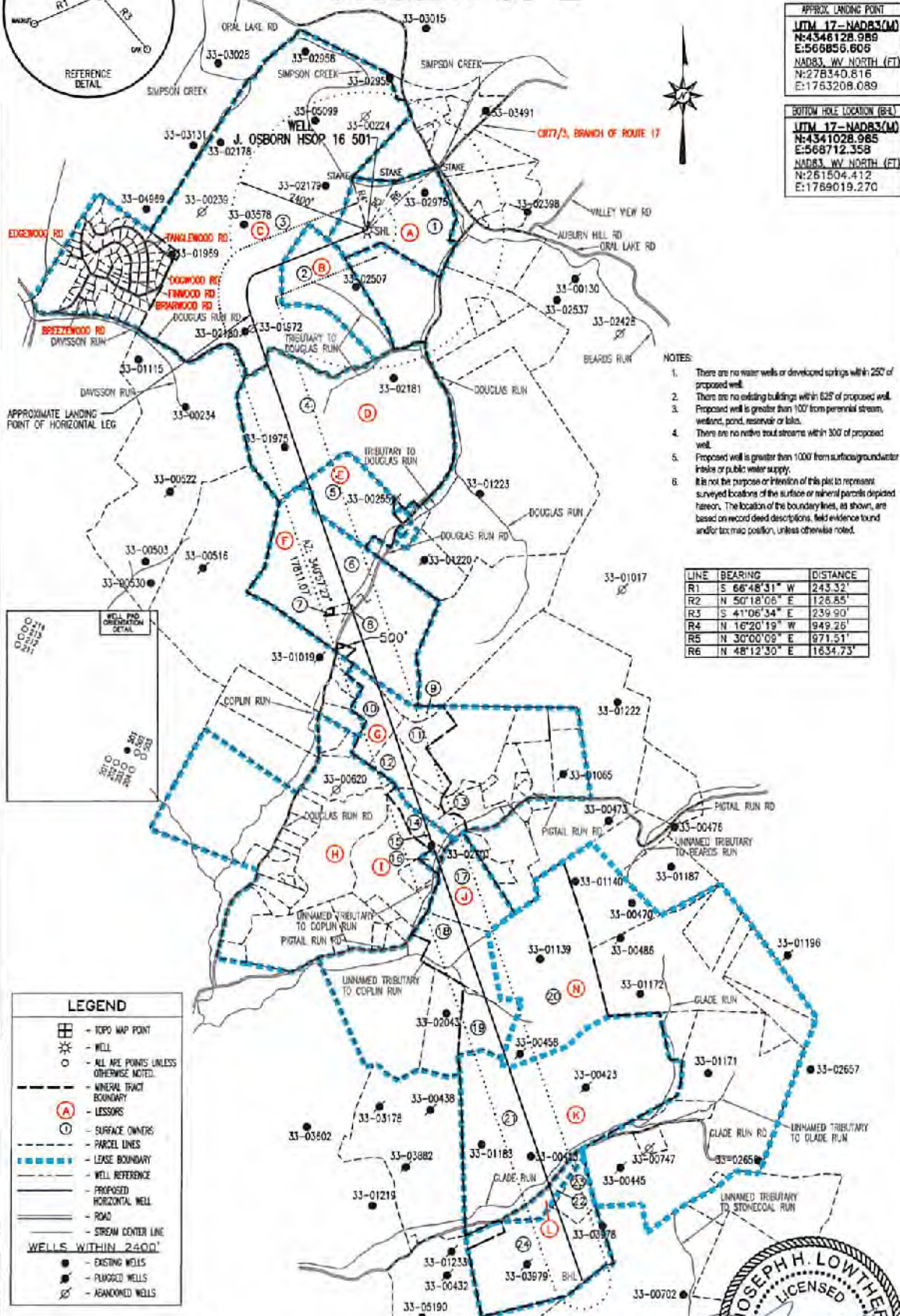
01/28/2022

J OSBORN HSOP 16 501

PAGE 2 OF 2

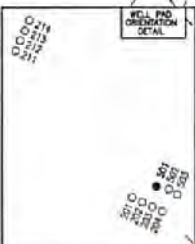


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UTM 17-NAD83(M)	N:4346587.042
	E:567471.253
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	E:566712.358
NAD83_WY NORTH (FT)	
	N:261504.412
	E:1769019.270



- 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 road 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.

LINE	BEARING	DISTANCE
R1	S 66°48'31" W	243.32'
R2	N 50°18'06" E	126.85'
R3	S 41°06'34" E	239.90'
R4	N 16°20'19" W	949.26'
R5	N 30°00'09" E	971.51'
R6	N 48°12'30" E	1634.73'



LEGEND

- ICPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- LESSORS
- SURFACE OWNERS
- PARCEL LINES
- LEASE BOUNDARY
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- WELLS WITHIN 2400'**
- EXISTING WELLS
- PLUMBED WELLS
- ABANDONED WELLS

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NOVEMBER 18, 2021



01/28/2022

AOR- Attachment "A2"