

BHL is located on topo map 10,879 feet south of Latitude: 39° 15' 00"
 SHL is located on topo map 9,399 feet south of Latitude: 39° 17' 30"

BHL is located on topo map 8,555 feet west of Longitude: 80° 10' 00"
 SHL is located on topo map 2,754 feet west of Longitude: 80° 12' 30"

	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	15-330/5.1
3	CHARLES E. REED 1/2 INTEREST GERALD W. BURNER ET AL 1/2 INTEREST	15-330/25
4	SCOT S. & LYNN B. DIERINGER	15-330/26
5	GOBEL G. OSBORN, JR. (LE), BRUCE, MICHAEL & JASON OSBORN	15-350/6
6	R. MARK & DIANA I. HACKETT	15-350/18
7	BRIAN J. & ANDREA L. MILLS	15-350/17.6
8	BRIAN J. & ANDREA L. MILLS	15-350/17.7
9	BRIAN J. & ANDREA L. MILLS	15-350/17.5
10	GARY & MARGARET WHEELER	15-350/17.2
11	LEWIS FRANKLIN & PAMELA MULLEN	15-350/27
12	EIP III WEST VIRGINIA LLC	15-370/14
13	EIP III WEST VIRGINIA LLC	15-371/1
14	EIP III WEST VIRGINIA LLC	15-371/13
15	SHAWN R. NEWBROUGH	15-370/21
16	EIP III WEST VIRGINIA LLC	15-371/7
17	EIP III WEST VIRGINIA LLC	15-371/7.1
18	EIP III WEST VIRGINIA LLC	15-370/29

	LESSOR	DIST-TM/PAR
A	GOBEL OSBORN, ET AL	15-330/5
B	J. EARL TETER, WIDOWER, ET AL	15-330/5.1
C	JOHN B. WEBB, ET AL	15-330/25
D	MARY ALICE HAFER	15-330/26
E	ALDERSON BROADDUS COLLEGE & AMP FUND III, LP	15-350/6
F	MARY LANCASTER CASTILOW ET AL	15-350/18
G	REBECCA A. COMPTON; JAMES MICHAEL COMPTON & JENNIFER NORA COMPTON	15-350/17.7 15-350/17.5 15-350/17.2
H	LEWIS FRANKLIN MULLEN	15-350/27
J	W. R. JOHNSON ET AL	15-370/14 15-371/1 15-371/7 15-371/7.1
K	N. D. PARKS ET AL W. R. JOHNSON ET AL	15-370/21 15-371/7



AS-DRILLED LOCATIONS UTM 17-NAD83(M)
SURFACE HOLE LOCATION (SHL) N:4346576.728 E:567473.751
APPROX LANDING POINT (LP) N:4346383.549 E:567575.662
BOTTOM HOLE LOCATION (BHL) N:4341520.643 E:569345.091

THRASHER

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

AS DRILLED PLAT

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL

FILE #: J OSBORN HSOP 16 204 AS DRILLED
 DRAWING #: J OSBORN HSOP 16 204 AS DRILLED
 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: JANUARY 20, 2022
 OPERATOR'S WELL #: J OSBORN HSOP 16 204 AS DRILLED
 API WELL #: 47 33 5931
 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: 1221.003±

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

TARGET FORMATION: MARCELLUS (LATERAL), HUNTERSVILLE CHERT (PILOT HOLE) ESTIMATED DEPTH: (LATERAL)TVD: 7,504.7'± TMD: 24,662.00'±

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT
 Address 6031 WALLACE ROAD EXTENSION, SUITE 300 Address 65 PROFESSIONAL PLACE, SUITE 200
 City WEXFORD State PA Zip Code 15090 City BRIDGEPORT State WV Zip Code 26330

03/17/2023

J OSBORN HSOP 16 204

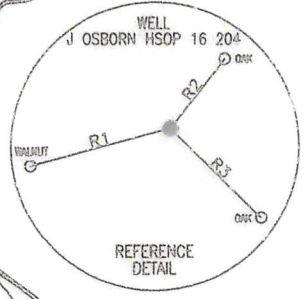
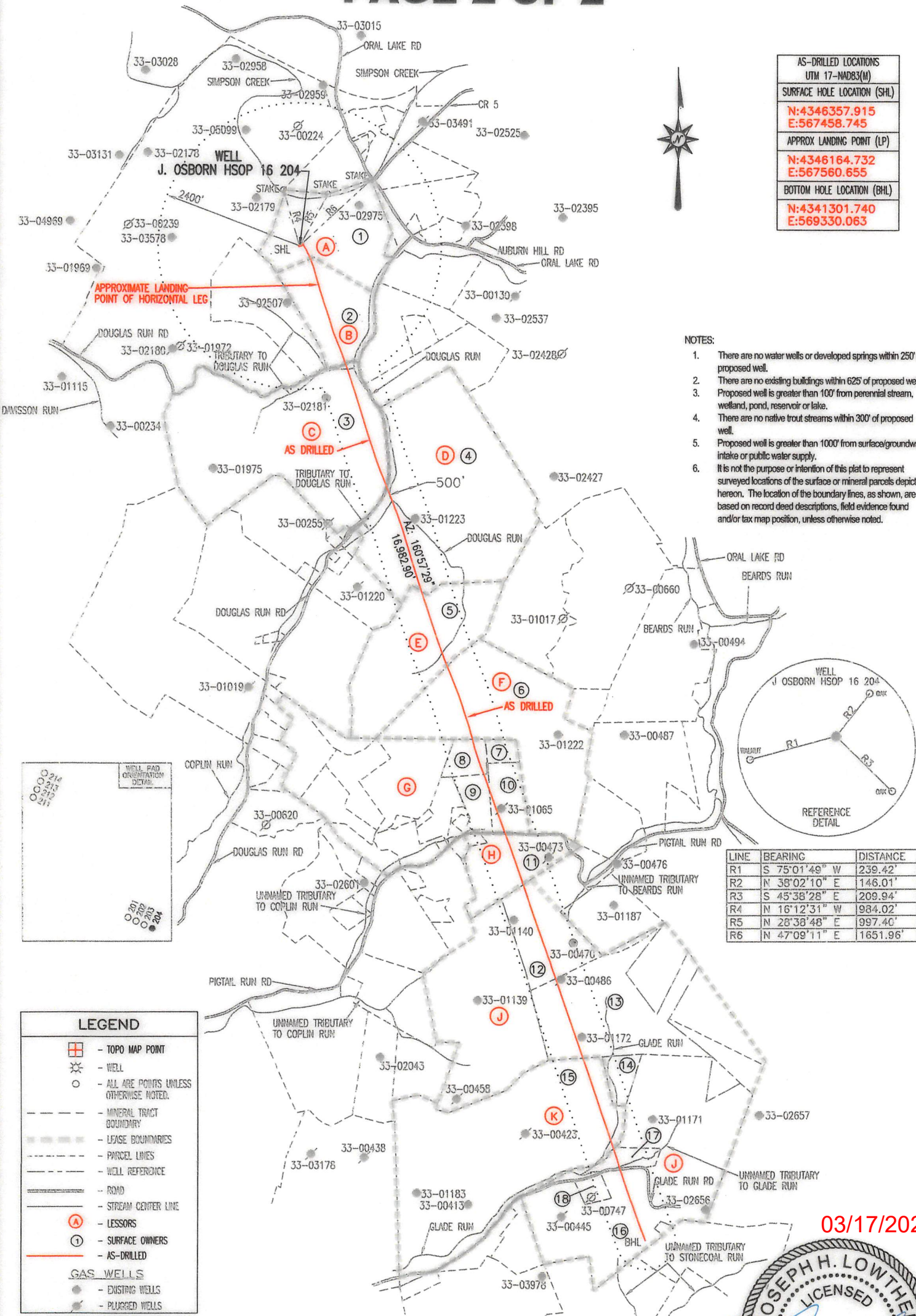
PAGE 2 OF 2

AS-DRILLED LOCATIONS UTM 17-NAD83(M)	
SURFACE HOLE LOCATION (SHL)	N:4346357.915 E:567458.745
APPROX LANDING POINT (LP)	N:4346164.732 E:567560.655
BOTTOM HOLE LOCATION (BHL)	N:4341301.740 E:569330.063



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 herein. 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 75°01'49" W	239.42'
R2	N 38°02'10" E	146.01'
R3	S 45°38'28" E	209.94'
R4	N 16°12'31" W	984.02'
R5	N 28°38'48" E	997.40'
R6	N 47°09'11" E	1651.96'



LEGEND	
	- TOPO MAP POINT
	- WELL
	- ALL ARE POINTS UNLESS OTHERWISE NOTED.
	- MINERAL TRACT BOUNDARY
	- LEASE BOUNDARIES
	- PARCEL LINES
	- WELL REFERENCE
	- ROAD
	- STREAM CENTER LINE
	- LESSORS
	- SURFACE OWNERS
	- AS-DRILLED
GAS WELLS	
	- EXISTING WELLS
	- PLUGGED WELLS

03/17/2023



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

JANUARY 20, 2022

AS DRILLED PLAT