

BHL is located on topo map 8,490 feet south of Latitude: 39° 15' 00"
 SHL is located on topo map 9,383 feet south of Latitude: 39° 17' 30"

BHL is located on topo map 10,894 feet west of Longitude: 80° 10' 00"
 SHL is located on topo map 2,695 feet west of Longitude: 80° 12' 30"

09/28/2018

	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 CASTLOW ET AL	15-350/18
G	REBECCA A. COMPTON; JAMES MICHAEL COMPTON & JENNIFER NORA COMPTON	15-350/17.7 15-350/17.5
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



SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83
 N:4346576.73
 E:567473.75
 NAD83, WV NORTH
 N:279776.336
 E:1765257.611
 LAT/LON DATUM-NAD83
 LAT:39.265908
 LON:-80.217853

APPROX. LANDING POINT
 UTM 17-NAD83
 N:4346403.92
 E:567567.39
 NAD83, WV NORTH
 N:279204.187
 E:1765555.440
 LAT/LON DATUM-NAD83
 LAT:39.264342
 LON:-80.216783

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4341508.06
 E:569349.27
 NAD83, WV NORTH
 N:263041.779
 E:1771135.342
 LAT/LON DATUM-NAD83
 LAT:39.220089
 LON:-80.196633

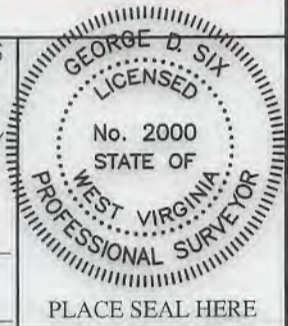


SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL

FILE #: J OSBORN HSOP 16 204
 DRAWING #: J OSBORN HSOP 16 204
 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: *George D. Six*
 R.P.E.: _____ L.L.S.: P.S. No. 2000



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



DATE: JUNE 8, 2018
 OPERATOR'S WELL #: J OSBORN HSOP 16 204
 API WELL #: 47 33 05931
 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): _____

TARGET FORMATION: MARCELLUS (LATERAL), HUNTERSVILLE CHERT (PILOT HOLE) ESTIMATED DEPTH: (LATERAL)TVD: 7,108.3'± TMD: 24,574.02'±
 (PILOT HOLE)TVD: 7,219.3'±

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT WILLIAM VEIGEL
 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

