

BHL is located on topo map 11,598 feet south of Latitude: 39° 55' 00"  
 SHL is located on topo map 3,822 feet south of Latitude: 39° 55' 00"

**SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS**

LINE	BEARING	DISTANCE
R1	S 08°54'09" W	152.92'
R2	S 37°32'49" W	169.41'
R3	S 89°30'26" W	183.56'
R4	N 80°17'22" W	925.75'
R5	S 43°17'56" E	1331.24'
R6	S 67°58'28" E	1368.23'

- NOTES:
1. There are no water wells or developed springs within 250' of proposed well.
  2. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  3. There are no native trout streams within 300' of proposed well.
  4. Proposed well is greater than 1000' from surface groundwater intake or public water supply.
  5. 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.
  6. There are no existing buildings within 625' of proposed well.

**SURFACE HOLE LOCATION (SHL)**  
 UTM 17-NAD83(M)  
 N:4417386.81  
 E:525707.95  
 NAD83, WV NORTH  
 N:514420.899  
 E:1632083.959

**APPROX. LANDING POINT**  
 UTM 17-NAD83(M)  
 N:4417485.13  
 E:526860.86  
 NAD83, WV NORTH  
 N:514680.297  
 E:1635872.648

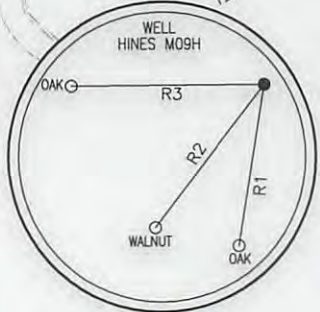
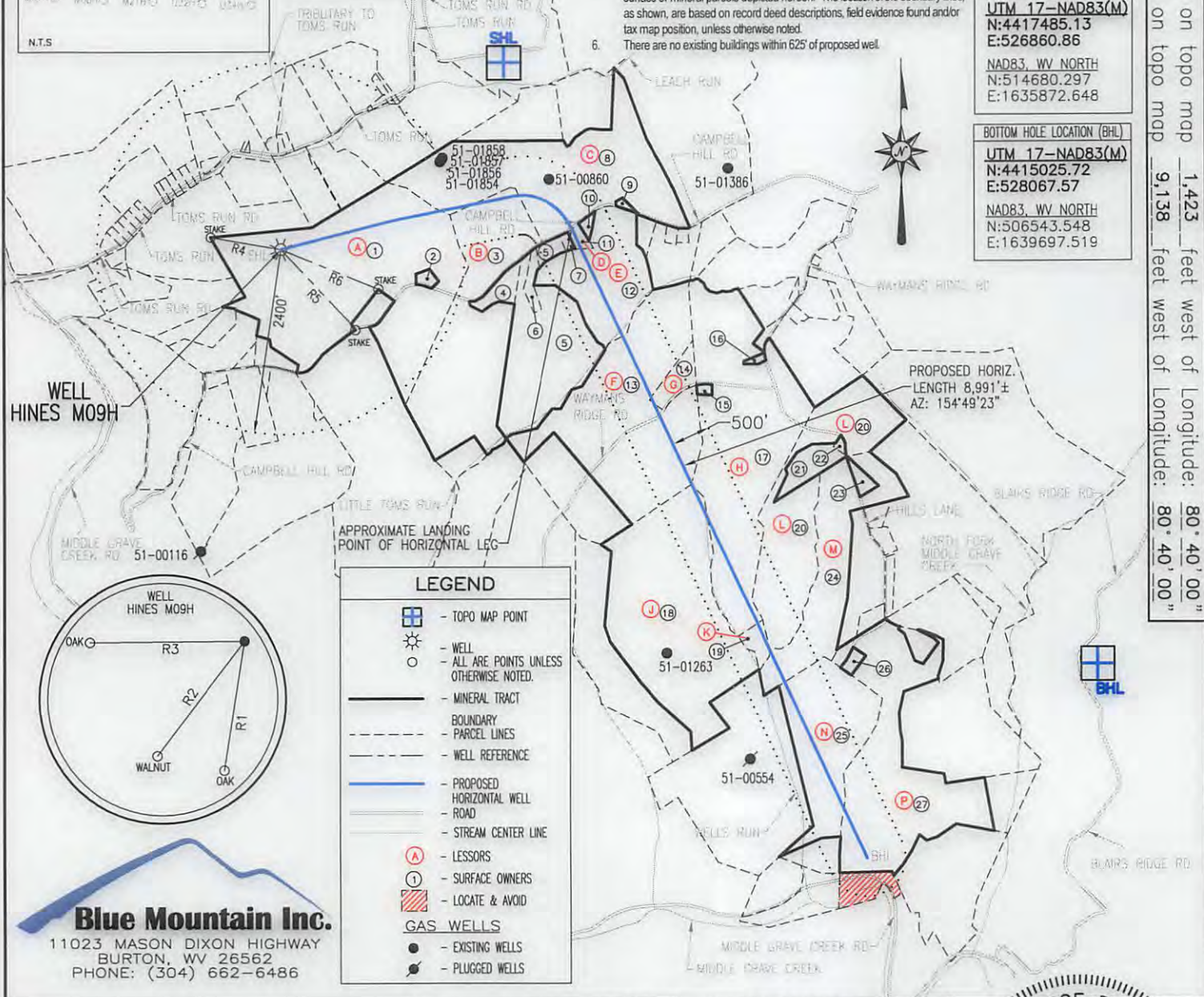
**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17-NAD83(M)  
 N:4415025.72  
 E:528067.57  
 NAD83, WV NORTH  
 N:506543.548  
 E:1639697.519

BHL is located on topo map 1,423 feet west of Longitude: 80° 40' 00"  
 SHL is located on topo map 9,138 feet west of Longitude: 80° 40' 00"

WELL PAD ORIENTATION DETAIL

M01H	M14H	M15H	M28H
M02H	M13H	M16H	M29H
M03H	M12H	M17H	M30H
M04H	M11H	M18H	M31H
M05H	M10H	M19H	M32H
M06H	M09H	M20H	M33H
M07H	M08H	M21H	M34H
M08H	M07H	M22H	M35H
M09H	M06H	M23H	M36H
M10H	M05H	M24H	M37H
M11H	M04H	M25H	M38H
M12H	M03H	M26H	M39H
M13H	M02H	M27H	M40H
M14H	M01H	M28H	M41H

N.T.S.



**Blue Mountain Inc.**  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

FILE #: HINES M09H  
 DRAWING #: HINES M09H  
 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: MARCH 7, 2017  
 OPERATOR'S WELL #: HINES M09H  
 API WELL #: 47 51 01991 MGA  
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1125.45'

COUNTY/DISTRICT: MARSHALL / WASHINGTON QUADRANGLE: MOUNDVILLE, WV 7.5'

SURFACE OWNER: DONALD HINES ET UX ACREAGE: 114.934±  
 OIL & GAS ROYALTY OWNER: DONALD HINES ET UX ACREAGE: 768.473± **08/18/2017**

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: TVD: 6,400'± TMD: 17,491'±

WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY  
 Address 800 MOUNTAIN VIEW DRIVE Address 500 LEE STREET, EAST SUITE 1600  
 City SMITHFIELD State PA Zip Code 15478 City CHARLESTON State WV Zip Code 25301-3202



# HINES M09H PAGE 2 OF 2

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX	14-12/30
B	PATRICIA S. HOSKINS	14-12/31
C	OKEY L. RINE JR.	14-11/1
D	CARL A. COCHRAN ET UX	14-11/16.1
E	FRANCIS TURNER ET UX	14-11/2
F	PATRICIA C. LINDGREN	14-11/14
G	PATRICIA C. LINDGREN	14-11/14.1
H	ELLEN I. HEATH	14-11/13
	COLLEEN MCLAIN MOORE	
J	JAMES J. CAVENEY ET UX	14-13/8
K	ELLEN I. HEATH ET AL	14-11/12
L	ELLEN I. HEATH	14-11/11
	COLLEEN MCLAIN MOORE	
M	DENNIS W. CROW ET UX	14-11/11.3
N	DENNIS W. CROW ET UX	14-13/11
P	BARBARA BEVERIDGE	14-13/13
	DAVID L. BEVERIDGE ET UX	

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	TERRY L. DERROW ET UX	14-12/30.3
3	PATRICIA SUE HOSKINS	14-12/31
4	EARNEST L. ROBERTS ET UX	14-12/31.1
5	PAUL E. & BRENT L. SHIPLEY	14-11/16
6	BRENT L. & LORI L. SHIPLEY	14-11/16.3
7	JODY L. & ERIC M. WADE	14-11/16.2
8	OKEY L. RINE JR.	14-11/1
9	STEVEN M. LAVENSKI	14-11/1.1
10	FRANCIS D. TURNER ET UX	14-11/2.1
11	CARL A. COCHRAN ET UX	14-11/16.1
12	D. FRANCIS TURNER ET UX	14-11/2
13	COUNTRY ROADS PROPERTIES LLC	14-11/14
14	DONALD A. & PATTIANNE PARSONS	14-11/14.1
15	QUAY A. HORNER, ET UX	14-11/13.1
16	COLLEEN MCLAIN	14-11/13.2
17	JOHN D. & WM K. HEATH ESTS	14-11/13
18	JAMES J. CAVENEY ET UX	14-13/8
19	WM K. & JOHN D. HEATH ESTS	14-11/12
20	JOHN D. & WM K. HEATH ESTS	14-11/11
21	CHAD E. FRANCIS	14-11/11.2
22	KATHLEEN I. FRANCIS	14-11/11.1
23	DARYL A. CROW	14-11/11.4
24	DENNIS W. & DONNA CROW	14-11/11.3
25	DENNIS W. CROW ET UX	14-13/11
26	DAVID LEE BEVERIDGE ET UX	14-13/13.1
27	DAVID LEE BEVERIDGE	14-13/13

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