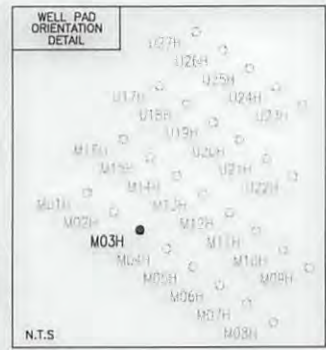


BHL is located on topo map 5,401 feet south of Latitude: 39° 52' 30"  
 SHL is located on topo map 10,133 feet south of Latitude: 39° 52' 30"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

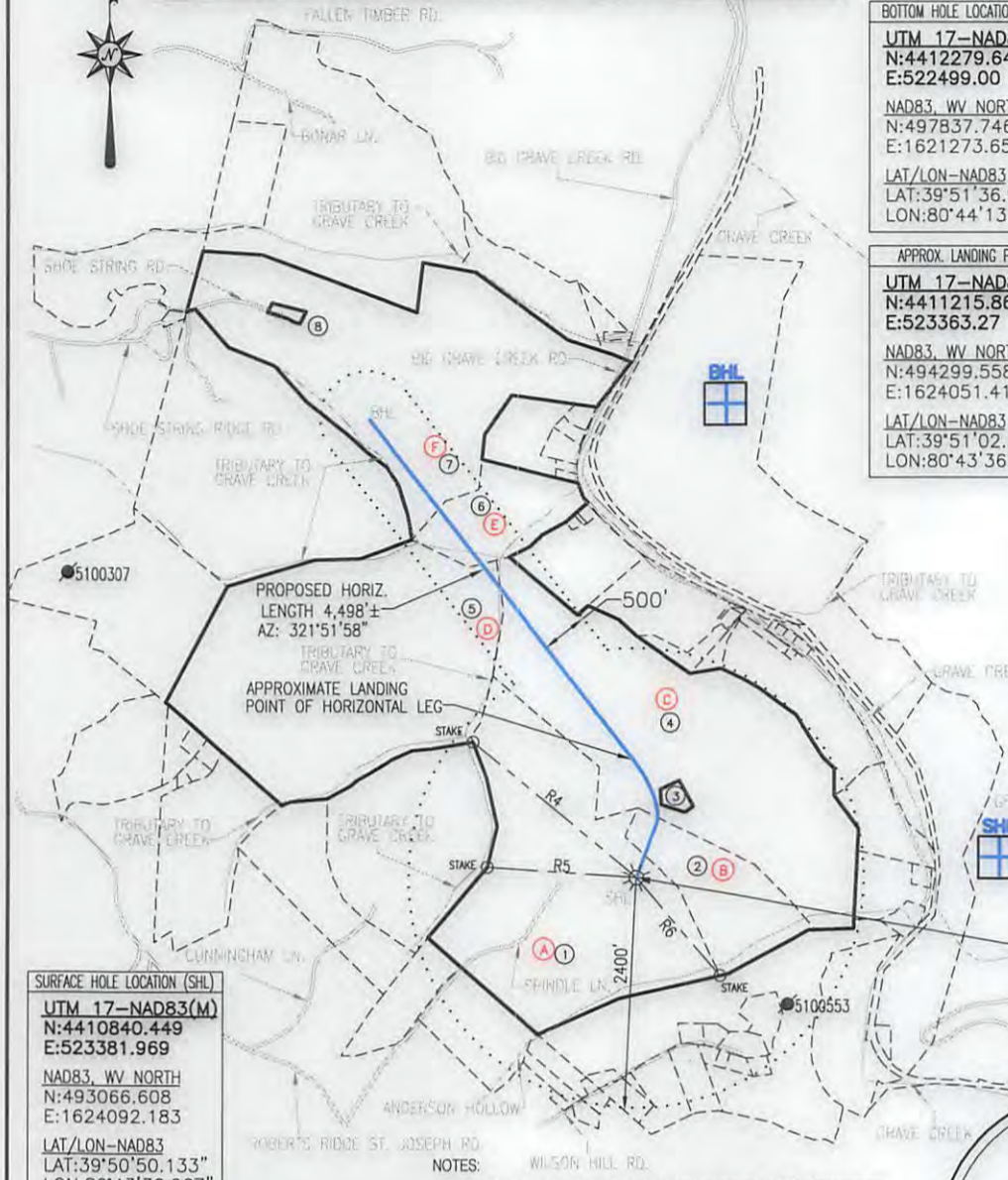


**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17-NAD83(M)  
 N:4412279.64  
 E:522499.00  
 NAD83, WV NORTH  
 N:497837.746  
 E:1621273.658  
 LAT/LON-NAD83  
 LAT:39°51'36.90"  
 LON:80°44'13.05"

**APPROX. LANDING POINT**  
 UTM 17-NAD83(M)  
 N:4411215.86  
 E:523363.27  
 NAD83, WV NORTH  
 N:494299.558  
 E:1624051.410  
 LAT/LON-NAD83  
 LAT:39°51'02.31"  
 LON:80°43'36.81"

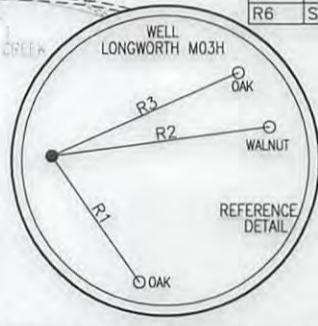
**LEGEND**

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT
- BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- GAS WELLS**
- EXISTING WELLS
- PLUGGED WELLS



**SURFACE HOLE LOCATION (SHL)**  
 UTM 17-NAD83(M)  
 N:4410840.449  
 E:523381.969  
 NAD83, WV NORTH  
 N:493066.608  
 E:1624092.183  
 LAT/LON-NAD83  
 LAT:39°50'50.133"  
 LON:80°43'36.067"

LINE	BEARING	DISTANCE
R1	S 34°54'11" E	199.00'
R2	N 82°31'26" E	286.01'
R3	N 66°13'23" E	265.80'
R4	N 50°33'42" W	2228.20'
R5	N 86°14'55" W	1575.82'
R6	S 41°13'45" E	1350.17'



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

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

FILE #: LONGWORTH M03H  
 DRAWING #: LONGWORTH M03H  
 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: OCTOBER 4, 2016  
 OPERATOR'S WELL #: LONGWORTH M03H  
 API WELL #: 47 51 01903 HLA  
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1295.65'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'

SURFACE OWNER: GRAHAM H. LONGWORTH, JR. ACREAGE: 123.589±

OIL & GAS ROYALTY OWNER: GRAHAM H. LONGWORTH, JR. ACREAGE: 625.06± **03/03/2017**

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: 6,600'± TMD: 11,672.31'±

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

BHL is located on topo map 8,089 feet west of Longitude: 80° 42' 30"  
 SHL is located on topo map 5,207 feet west of Longitude: 80° 42' 30"

# LONGWORTH

## M03H

### PAGE 2 OF 2

	LESSOR	DIST-TM/PAR
A	GRAHAM H. LONGWORTH, JR. ET AL	4-11/1
B	GRAHAM H. LONGWORTH, JR. ET AL	4-11/2
	LISA NICEWARNER	
	JULIA RODGERS	
	KEITH FRIESE	
	MARK FRIESE	
	ANTHONY FRIESE	
	JAMES FRIESE	
	HENRY FRIESE	
	STEVEN FRIESE	
C	GRAHAM H. LONGWORTH, JR. ET AL	4-12/16
	SHERI L. EVRAETS FAMILY TRUST	
	LISA NICEWARNER	
	JULIA RODGERS	
	KEITH FRIESE	
	MARK FRIESE	
	ANTHONY FRIESE	
	JAMES FRIESE	
	HENRY FRIESE	
	STEVEN FRIESE	
D	BRETT A. ANDREWS ET UX	4-12/19
E	MARY ANN BAKER	4-12/10
	ULMAN TRUST MARY ANN BAKER TRSTE	
	DIOCESE OF WHEELING - CHARLESTON	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFREY A. WUERTHELE	
	MICHAEL D. WUERTHELE ET UX	
	SISTERS OF ST. FRANCIS PROV OF GOD	
	SUSAN ZIDAR ET VIR	
	VICKIE L. MARKEY IRREVOCABLE TRST	
F	JMK IREV TRST	4-12/3
	PURPLEBURGH VENTURES LLC	
	MARCELLUS TX MINERAL PRTRNS LTD	

	SURFACE OWNER	DIST-TM/PAR
1	GRAHAM H. LONGWORTH, JR.	4-11/1
2	GRAHAM H. LONGWORTH, JR.	4-11/2
3	DANIEL C., SR. & JEANNETTE L. LONGWORTH	4-12/16.1
4	DANIEL C. LONGWORTH	4-12/16
5	CODY M. JARRETT	4-12/19
6	THOMAS HAUGHT ET AL	4-12/10
7	MERLE CHAPLIN ET UX	4-12/3
8	MERLE R. & JEAN E. CHAPLIN	4-12/3.1

SURFACE HOLE LOCATION (SHL)
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NAD83, WV NORTH N:493066.608 E:1624092.183
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03/03/2017