

BHL is located on topo map 5,787 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 10,072 feet south of Latitude: 39° 52' 30"

BHL is located on topo map 9,409 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 5,149 feet west of Longitude: 80° 42' 30"

LEGEND

- TOPO MAP POINT
- WELL
- MINERAL TRACT
- BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- GAS WELLS**
- EXISTING WELLS
- PLUGGED WELLS

NOTES:

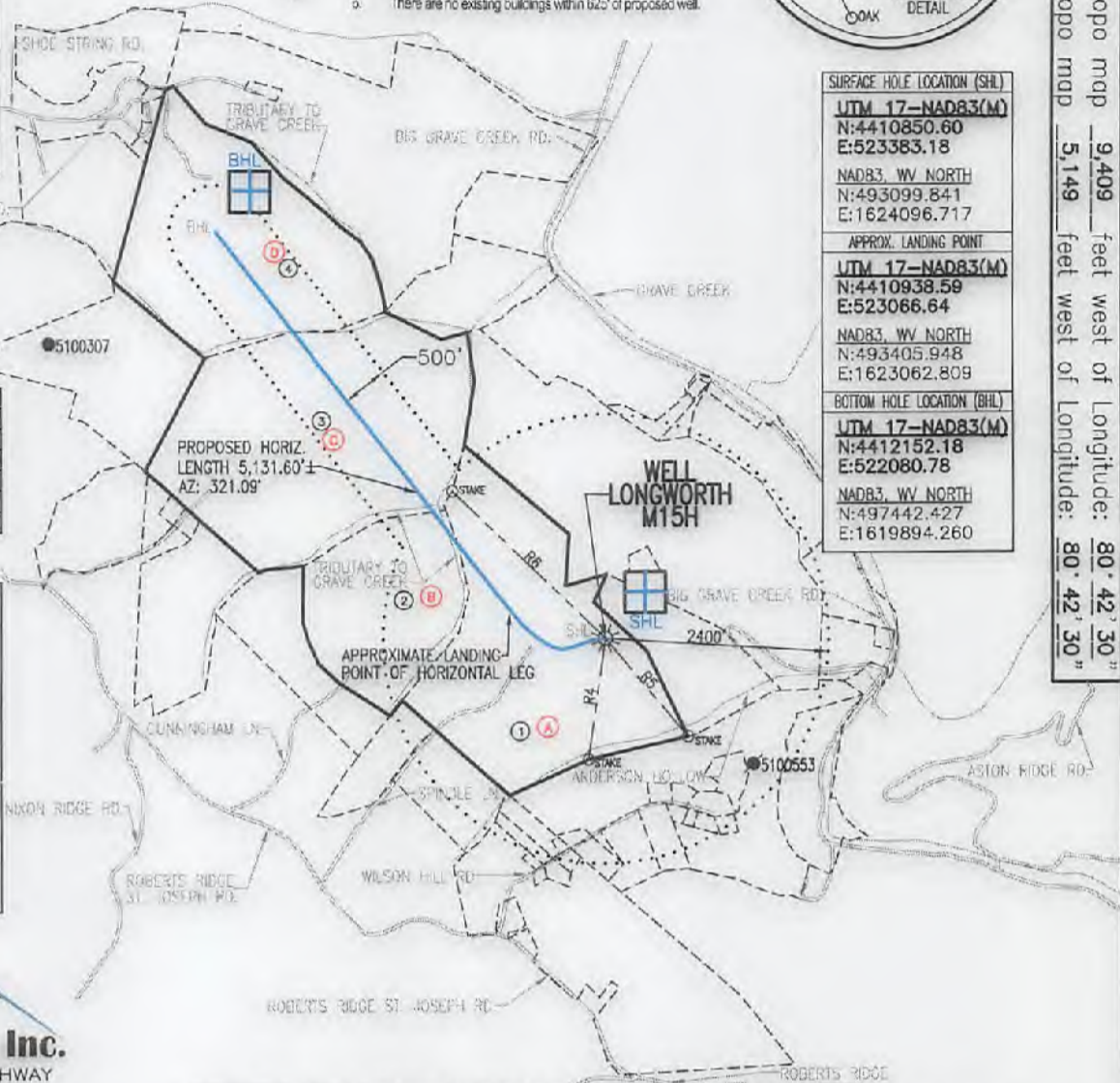
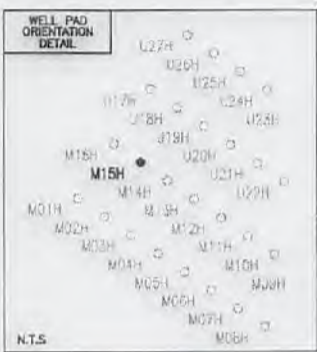
1. There are no water wells or developed springs within 250' of proposed well.
2. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
3. There are no native trout streams within 300' of proposed well.
4. Proposed well is greater than 1000' from surface groundwater 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.



09/21/2018

LINE	BEARING	DISTANCE
R1	S 29°05'56" E	224.81'
R2	N 89°10'56" E	279.07'
R3	N 72°47'26" E	249.89'
R4	S 08°02'49" W	1300.38'
R5	S 40°10'20" E	1372.40'
R6	N 46°12'13" W	2284.09'

SURFACE HOLE LOCATION (SHL)	
UTM 17-NAD83(M)	N:4410850.60 E:523383.18
NAD83, WV NORTH N:493099.841 E:1624096.717	
APPROX. LANDING POINT	
UTM 17-NAD83(M)	N:4410938.59 E:523066.64
NAD83, WV NORTH N:493405.948 E:1623062.809	
BOTTOM HOLE LOCATION (BHL)	
UTM 17-NAD83(M)	N:4412152.18 E:522080.78
NAD83, WV NORTH N:497442.427 E:1619894.260	



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

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: LONGWORTH M15H
 DRAWING #: LONGWORTH M15H
 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: DECEMBER 20, 2017
 OPERATOR'S WELL #: LONGWORTH M15H
 API WELL #: 47 51 02082 H6A
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1290.96'

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: 456.706±

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: 12,240.84'±

WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600
 City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

LONGWORTH

4705102082

M15H

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09/21/2018

	LESSOR	DIST-TM/PAR
A	GRAHAM H. LONGWORTH JR. ET AL	4-11/1
B	DALE CUNNINGHAM ET UX	4-13/33
C	BRETT A. ANDREWS ET UX	4-12/19
D	JMK IREV TRST - SFX	4-12/4
	PURPLEBURGH VENTURES LLC - SFX	
	MARCELLUS TX MINERAL PRTRNS LTD - SFX	

	SURFACE OWNER	DIST-TM/PAR
1	GRAHAM H. LONGWORTH JR.	4-11/1
2	DALE & MARY CUNNINGHAM	4-13/33
3	CODY M. JARRETT	4-12/19
4	MERLE L. CHAPLIN ET UX	4-12/4

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DECEMBER 20, 2017