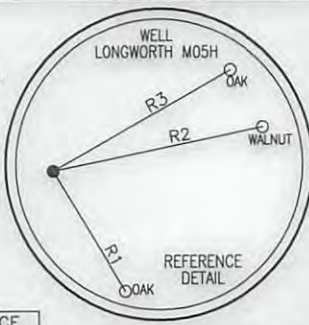


BHL is located on topo map 1,099 feet south of Latitude: 39° 50' 00"
 SHL is located on topo map 10,149 feet south of Latitude: 39° 52' 30"

- 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.
- There are no existing buildings within 625' of proposed well.



SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83(M)
 N:4410835.420
 E:523389.602

NAD83, WV NORTH
 N:493049.687
 E:1624116.955

APPROX. LANDING POINT

UTM 17-NAD83(M)
 N:4410857.51
 E:523901.44

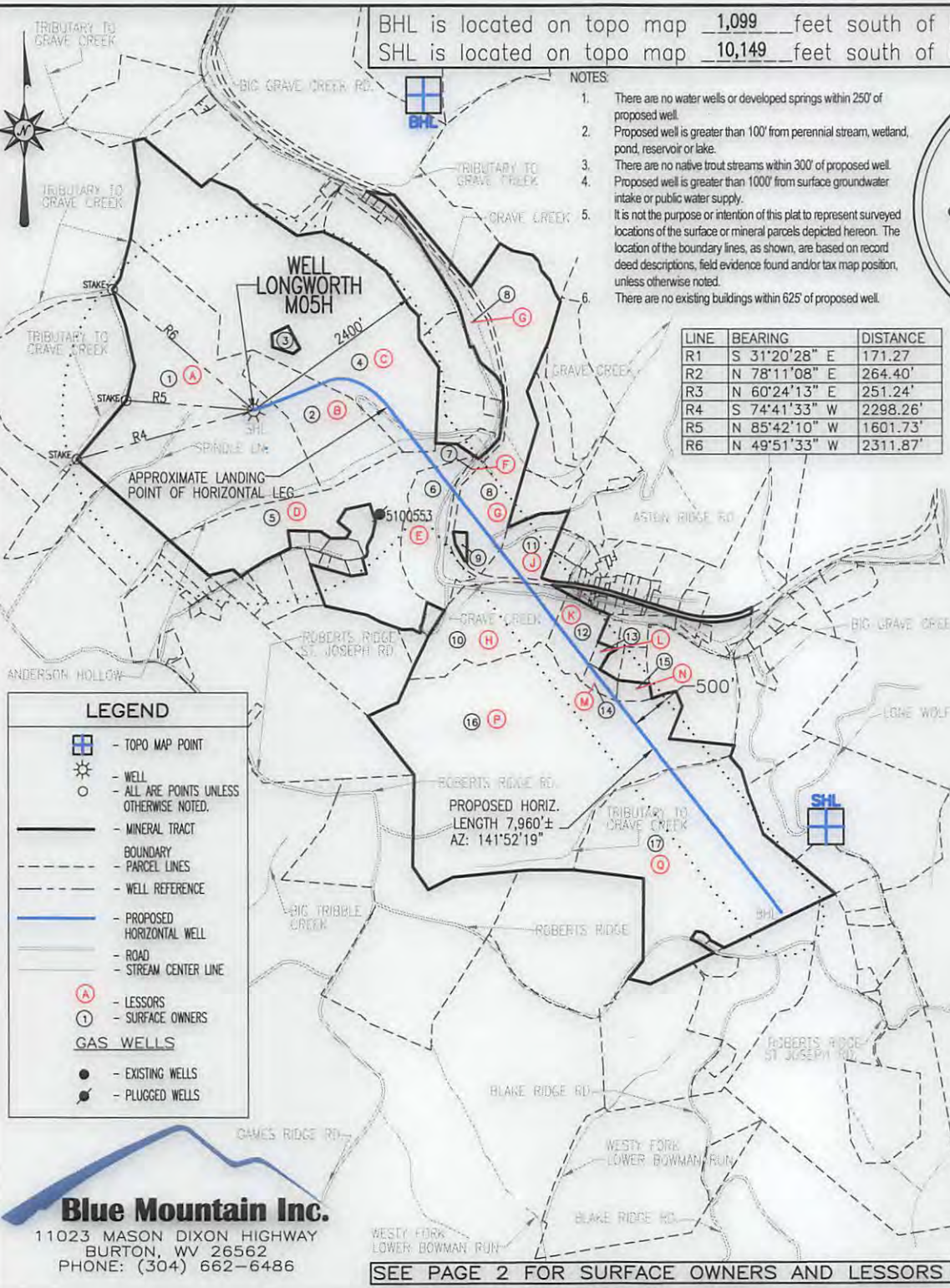
NAD83, WV NORTH
 N:493094.108
 E:1625797.759

BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83(M)
 N:4408974.97
 E:525430.53

NAD83, WV NORTH
 N:486832.873
 E:1630712.281

LINE	BEARING	DISTANCE
R1	S 31°20'28" E	171.27
R2	N 78°11'08" E	264.40'
R3	N 60°24'13" E	251.24'
R4	S 74°41'33" W	2298.26'
R5	N 85°42'10" W	1601.73'
R6	N 49°51'33" W	2311.87'

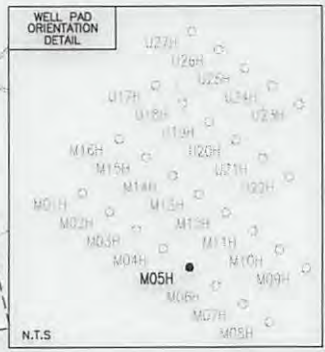


LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT
- BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS



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

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: LONGWORTH M05H

DRAWING #: LONGWORTH M05H

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: *[Signature]*

R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

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

DATE: JANUARY 9, 2017

OPERATOR'S WELL #: LONGWORTH M05H

API WELL #: 47 51 D1914 HCA

STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1294.18'

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: 811.904±

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: 15,410.55±

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 10,205 feet west of Longitude: 80° 40' 00"
 SHL is located on topo map 5,182 feet west of Longitude: 80° 42' 30"

03/03/2017

LONGWORTH

M05H

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	DELORES J. FOX	4-11/54
E	CNX GAS COMPANY LLC	4-11/52
F	CNX GAS COMPANY LLC	4-11/59
G	HARRY F. ROUSH ET UX	4-11/3
H	JOE PAUL WELLMAN	9-1/2
	WILLIAM R. LEVASSEUR, JR.	
	FRANCIS THOMAS KROL, JR.	
	CHRISTINA L. BOARDWINE	
	DIANA L. WELLMAN	
	MARGARET ANN BONNETT	
	DOROTHY SEDOSKY	
	MARGARET E. DAKAN	
	DOLLYE GUZEK	
	LINDSEY R. FOSTER	
	NANCY DAKAN RACKLEY ET VIR	
	CNX GAS COMPANY LLC	
	RONALD W. DAKAN	
	DAVID H. DAKAN	
	SUZANNE SWIFT	
	BARBARA D. FURFARI	
	DIANE CLARE WILLIS ET VIR	
	LESLIE MARIE BUTTS	
	JOSEPH G. DAKAN	
	ELAINE A. FONTES	
	DIANA K. COSLICK	
	LESLEY D. BALLA	
J	GLEN WILLIAM CONNER	4-11/51
K	ALVIN D. BARRETT ET UX	9-1/3
L	*ROSEANN TRAYON	9-1/4.4
	*DIANA L. WELLMAN	
	*MARGARET ANN BONNETT	
	*JOE PAUL WELLMAN	
	*CHRISTINA L. BOARDWINE	
	*FRANCIS THOMAS KROL, JR.	
	*WILLIAM R. LEVASSEUR, JR.	
M	CINDY S. TRAYON ET AL	9-1/4.6
	DIANA L. WELLMAN	
	MARGARET ANN BONNETT	
	JOE PAUL WELLMAN	
	CHRISTINA L. BOARDWINE	
	FRANCIS THOMAS KROL, JR.	
	WILLIAM R. LEVASSEUR, JR.	
N	ROBERT L. TRAYON, JR. ET UX	9-1/4.5
	DIANA L. WELLMAN	
	MARGARET ANN BONNETT	
	JOE PAUL WELLMAN	
	CHRISTINA L. BOARDWINE	
	FRANCIS THOMAS KROL, JR.	
	WILLIAM R. LEVASSEUR, JR.	
P	HOWARD E. YOUNG BY AIF SUSAN YOUNG	9-1/18
Q	DANIEL L. DOBBS ET UX	9-1/16

	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. AND JEANNETTE L. LONGWORTH	4-12/16.1
4	DANIEL C. LONGWORTH	4-12/16
5	DUNCAN OR SUSAN ARNETT	4-11/54
6	HARRY & DONNA ROUSH	4-11/52
7	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT.	4-11/59
8	HARRY F. ROUSH ET UX	4-11/3
9	DEAN ROUSH ET UX	4-11/3.1
10	HARRY & DONNA ROUSH	9-1/2
11	GLEN W. CONNER ET UX	4-11/51
12	ALVIN DALE BARRETT ET UX	9-1/3
13	*ROSEANN TRAYON	9-1/4.4
14	CINDY SUE TRAYON & BRIAN CROW	9-1/4.6
15	ROBERT L. JR. & AMY J. TRAYON	9-1/4.5
16	CNX LAND RESOURCES INC.	9-1/18
17	CNX LAND RESOURCES INC.	9-1/16

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E:525430.53
NAD83, WV NORTH
N:486832.873
E:1630712.281

03/03/2017

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

JANUARY 9, 2017