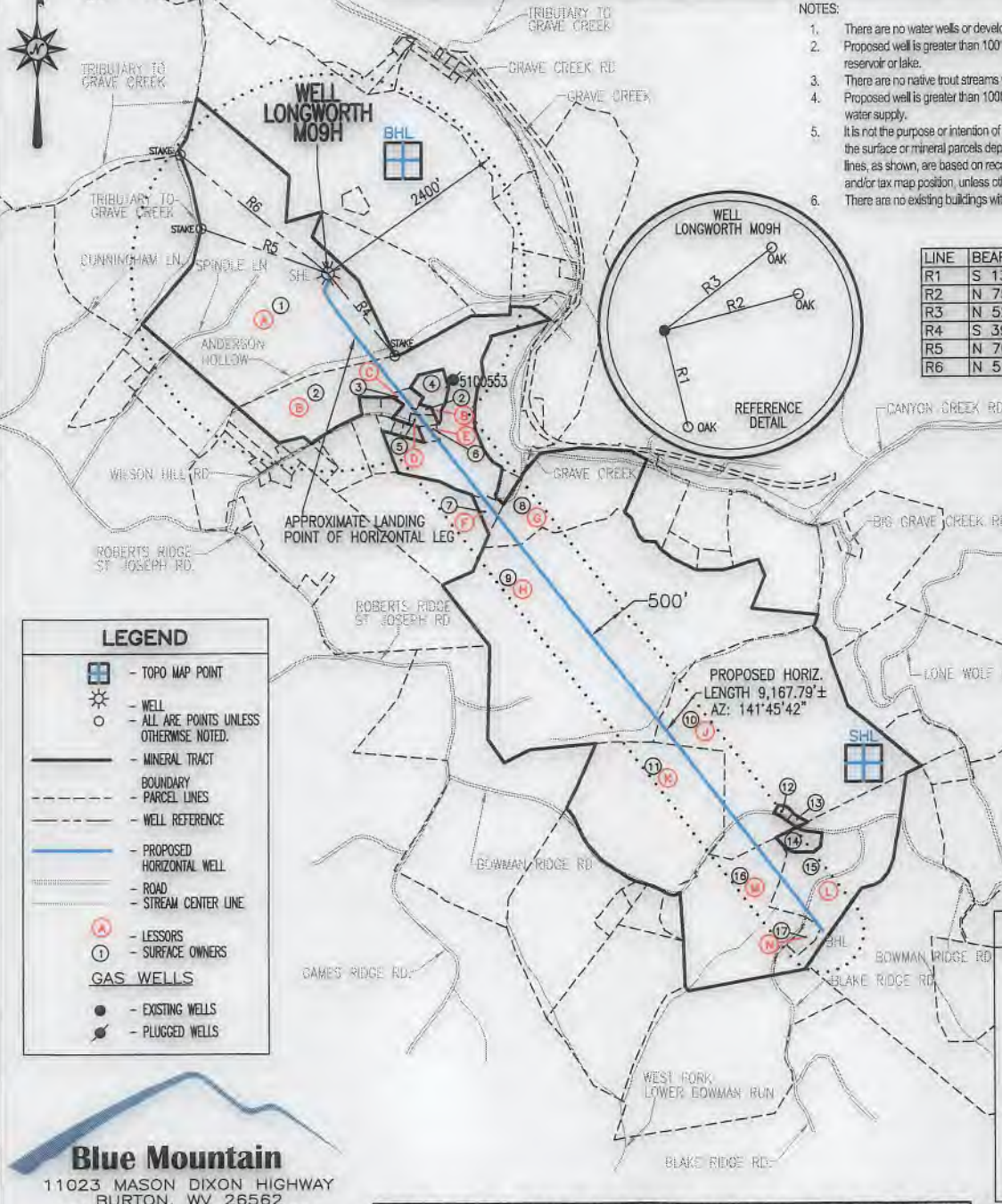


BHL is located on topo map 2,826 feet south of Latitude: 39° 50' 00"
 SHL is located on topo map 10,122 feet south of Latitude: 39° 52' 30"



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

LINE	BEARING	DISTANCE
R1	S 13°30'44" E	149.81'
R2	N 75°01'42" E	211.91'
R3	N 52°49'00" E	206.33'
R4	S 39°06'03" E	1285.89'
R5	N 70°38'12" W	1638.61'
R6	N 51°28'20" W	2300.53'

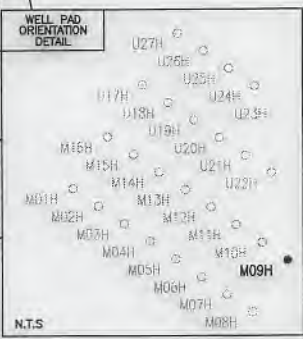
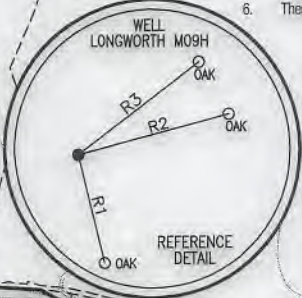
SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4410835.51
 E:523406.08
 NAD83, WV NORTH
 N:493049.080
 E:1624171.040

APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4410604.49
 E:523510.17
 NAD83, WV NORTH
 N:492285.270
 E:1624499.940

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4408439.67
 E:525275.54
 NAD83, WV NORTH
 N:485084.640
 E:1630174.240

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



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

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: LONGWORTH M09H
 DRAWING #: LONGWORTH 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: SEPTEMBER 5, 2018
 OPERATOR'S WELL #: LONGWORTH M09H
 API WELL #: 47 51 02129
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1270'

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: 655.458±

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: 6,511'± TMD: 16,075.21'±

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

BHL is located on topo map 10,666 feet west of Longitude: 80° 40' 00"
 SHL is located on topo map 5,074 feet west of Longitude: 80° 42' 30"

LONGWORTH

M09H

PAGE 2 OF 2

	LESSOR	DIST-TM/PAR
A	GRAHAM H. LONGWORTH JR. ET AL	4-11/1
B	DELORES J. FOX	4-11/54
C	DELORES J. FOX	4-11/54.13
D	JAMES C. & MELISSA S. THATCHER	4-11/54.9
E	MARY A. STUCKEY	4-11/54.7
F	CNX GAS COMPANY LLC	4-11/57.1
G	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	
H	HOWARD E. & SUSAN C. YOUNG	9-1/18
J	DANIEL L. DOBBS ET UX	9-1/16
K	DEAN B. COLVIN	9-1/22
	MARGARET KINNEY	
	PATRICIA COLVIN GRANDSTAFF	
	MARILYN PYLES SNYDER	
	JAMES E. PYLES	
	SUSAN ASTON	
	CAROL HULL	
	DAVID GEORGE MOORE	
	BETTY LOU DELLGET KERNS	
	MARILYN SOUTH	
	HOWARD GUMP ET UX	
	JUDY REILLEY FEIERSTEIN	
	RICHARD O'HARA	
	CATHY J. COLVIN	
	ALICE FAYE VAN DINE	
	LORA FORNSHELL	
	KEITH PYLES	
	WANDA L. PYLES	
	SHERLEY M. WHITE FKA SHERLEY M. VAN DINE	
	VERENDA STOKES	
	DOMINAE VESICO-RAMIREZ	
	KRISTA L. VAN DINE	
	ROBERT P. COLVIN	
	RONALD PYLES	
	DONALD COOK POA CAROL HULL	
	KEVIN O'HARA	
	CATHY LUDWIG GARRETT	
	ROBERT R. D'ERAMO JR., ET AL	
	DEBRA FORDYCE	
	KEITH JOEL VAN DINE	
	GLADYS PETRELLE BY AIF SHIRLEY BUFFONE	
	RODNEY COLVIN	
	PAULA REILLEY	
	VICKIE EISENHAUER	
	KIM YOHO	
	JASON COLVIN	
	BRENDA WILLINGHAM	
	DONALD COLVIN	
	MICHAEL COLVIN	
	STACY PANYKO	
	HAROLD E. VAN DINE	
	JOHN E. VAN DINE	
L	PETER MILLER	9-1/24
M	JOHN K. MASON JR.	9-1/23
N	ROGER DUNHAM	9-1/24.2

	SURFACE OWNER	DIST-TM/PAR
1	GRAHAM H. LONGWORTH JR.	4-11/1
2	DUNCAN OR SUSAN ARNETT	4-11/54
3	JEFFREY STUCKEY	4-11/54.13
4	JESSE E. & LEAH A. YOHO	4-11/54.12
5	JAMES C. & MELISSA S. THATCHER	4-11/54.9
6	MARY STUCKEY	4-11/54.7
7	HARRY & DONNA ROUSH	4-11/57.1
8	HARRY & DONNA ROUSH	9-1/2
9	CNX LAND RESOURCES INC	9-1/18
10	CNX LAND RESOURCES INC	9-1/16
11	CNX LAND RESOURCES INC	9-1/22
12	MACK A. CROW ET UX	9-1/17
13	MACK A. CROW ET UX	9-1/16.1
14	VICKIE CROW	9-1/24.1
15	PETER A. MILLER	9-1/24
16	JOHN K. MASON JR.	9-1/23
17	KAREN LOUISE BELL & ROGER L. DUNHAM	9-1/24.2

SURFACE HOLE LOCATION (SHL)
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