

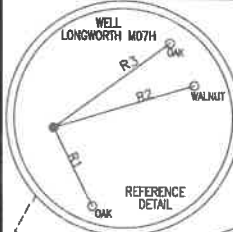
BHL is located on topo map 2,211 feet south of Latitude: 39° 50' 00" N
 SHL is located on topo map 10,106 feet south of Latitude: 39° 52' 30" N

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

LINE	BEARING	DISTANCE
R1	S 26°26'07" E	144.46'
R2	N 73°08'39" E	244.58'
R3	N 53°56'44" E	239.58'
R4	S 75°15'28" W	2317.79'
R5	N 69°44'49" W	1616.56'
R6	N 37°16'10" W	794.99'

LEGEND

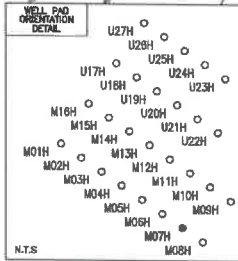
- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- AS-DRILLED
- GAS WELLS**
- EXISTING WELLS
- PLUGGED WELLS



AS-DRILLED LOCATIONS UTM (7-MODUM)
SURFACE HOLE LOCATION (SHL)
N:4410830.392
E:523397.236
APPROX LANDING POINT (LP)
N:4410742.24
E:523717.52
BOTTOM HOLE LOCATION (BHL)
N:4408636.13
E:525389.69

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 box map position, unless otherwise noted.
- There are no existing buildings within 625' of proposed well.



THRASHER

THE THRASHER GROUP, INC.
 600 WHITE OAKS BLVD.
 BRIDGEPORT, WV 26330
 PHONE 304-624-4108

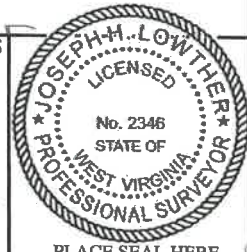
AS-DRILLED PLAT

BHL is located on topo map 10,344 feet west of Longitude: 80° 40' 00" W
 SHL is located on topo map 5,157 feet west of Longitude: 80° 42' 30" W

FILE #: LONGWORTH M07H - AS-DRILLED
 DRAWING #: LONGWORTH M07H - AS-DRILLED
 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: *Joseph H. Lowther*
 R.P.E.: _____ L.L.S.: P.S. No. 2346



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



DATE: FEBRUARY 23, 2021
 OPERATOR'S WELL #: LONGWORTH M07H - AS-DRILLED
 API WELL #: 47 51 01917
 STATE COUNTY PERMIT

RECEIVED
 Office of Oil and Gas
 NOV 18 2022
 WV Department of Environmental Protection

Well Type: Oil Waste Disposal Production Deep Gas Liquid Injection Storage Shallow
 WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1295'
 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: 615.367±
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE

(SPECIFY): AS-DRILLED PLAT
 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,674± TMD: 15,944±
 WELL OPERATOR EQT CHAP LLC DESIGNATED AGENT JOSEPH C. MALLOW
 Address 400 WOODCLIFF DRIVE Address 115 PROFESSIONAL PLACE, PO BOX 280
 City CANONSBURG State PA Zip Code 15317 City BRIDGEPORT State WV Zip Code 26330

LONGWORTH M07H PAGE 2 OF 2 AS-DRILLED PLAT

	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	DELORES J. FOX	4-11/54
D	CNX GAS COMPANY LLC	4-11/52
E	CNX GAS COMPANY LLC	4-11/59
F	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. COSLUCK	
	LESLEY D. BALLA	
G	HOWARD E. YOUNG BY AIF SUSAN YOUNG	9-1/18
H	DANIEL L. DOBBS ET UX	9-1/16
J	*VICKIE J. MASON	9-1/24.1
K	PETER MILLER	9-1/24

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

	SURFACE OWNER	DIST-TM/PAR
1	GRAHAM H. LONGWORTH JR.	4-11/1
2	GRAHAM H. LONGWORTH JR.	4-11/2
3	DUNCAN OR SUSAN ARNETT	4-11/54
4	HARRY & DONNA ROUSH	4-11/52
5	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT	4-11/59
6	HARRY & DONNA ROUSH	9-1/2
7	CNX LAND RESOURCES INC.	9-1/18
8	CNX LAND RESOURCES INC.	9-1/16
9	MACK A. CROW ET UX.	9-1/17
10	MACK A. CROW ET UX.	9-1/16.1
11	*VICKIE CROW	9-1/24.1
12	PETER A. MILLER	9-1/24

AS-DRILLED LOCATIONS UTM 17-MADUJM	
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NOV 18 2022

WV DEPT OF ENVIRONMENT & NATURAL RESOURCES
PLANNING & PERMITTING DIVISION

FEBRUARY 23, 2021

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