

BHL is located on topo map 5,098 feet south of Latitude: 39° 50' 00"  
 SHL is located on topo map 10,158 feet south of Latitude: 39° 52' 30"

**SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS**

**LEGEND**

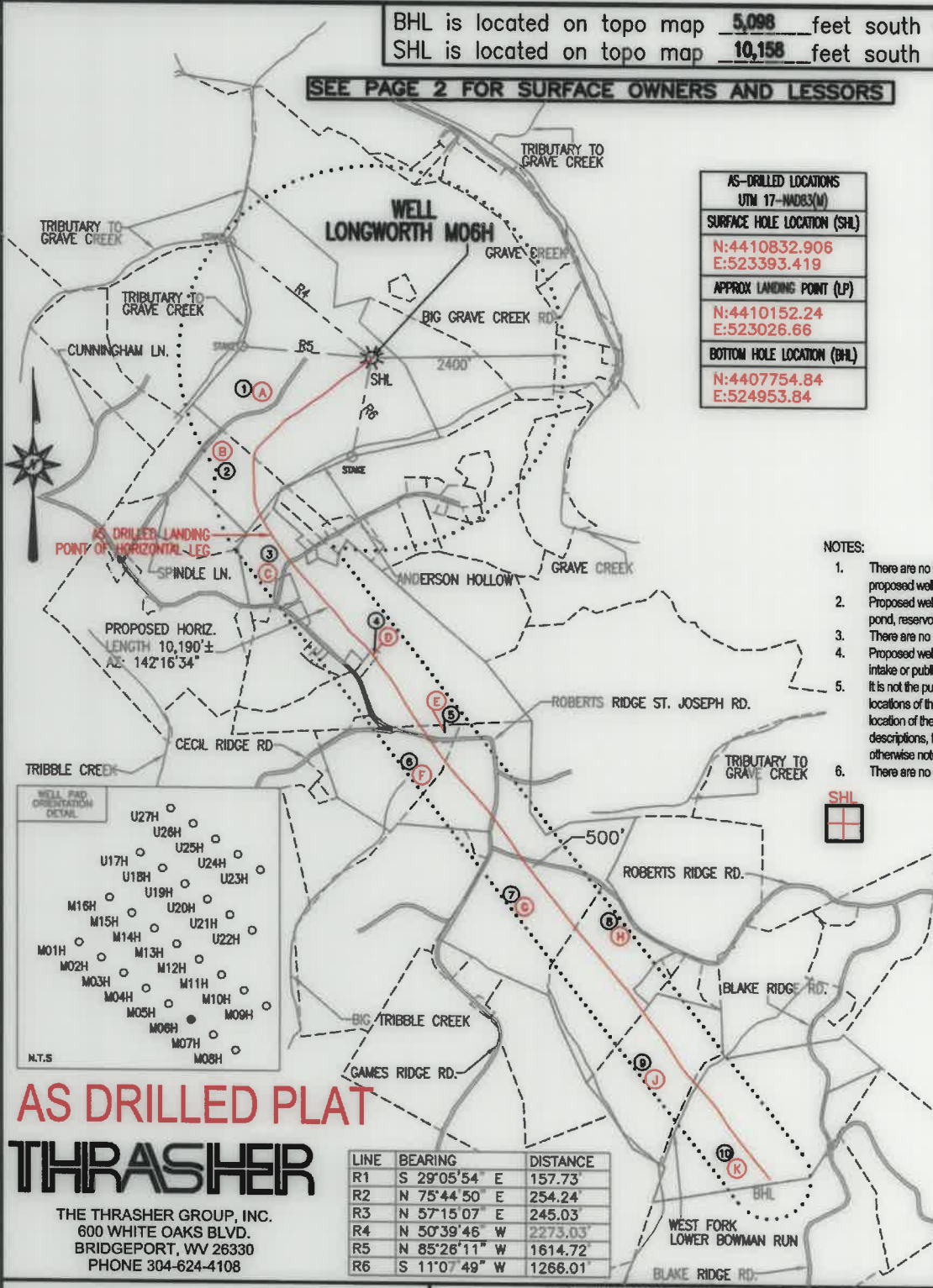
- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- ROAD
- STREAM CENTER LINE
- (A) - LESSORS
- (1) - SURFACE OWNERS
- AS-DRILLED

**GAS WELLS**

- EXISTING WELLS
- PLUGGED WELLS

AS-DRILLED LOCATIONS UTM 17-WAD83(M)
SURFACE HOLE LOCATION (SHL) N:4410832.906 E:523393.419
APPROX LANDING POINT (LP) N:4410152.24 E:523026.66
BOTTOM HOLE LOCATION (BHL) N:4407754.84 E:524953.84

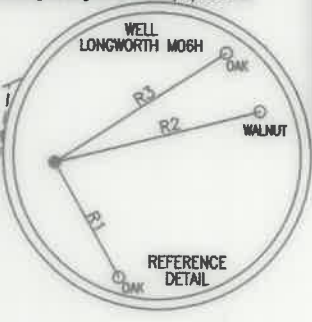
- NOTES:
- There are no water wells or developed springs within 250' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface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



WELL PAD ORIENTATION DETAIL

U27H	U26H	U25H	U24H	U23H
U17H	U18H	U19H	U20H	U21H
U22H	U21H	U20H	U19H	U18H
U17H	U16H	U15H	U14H	U13H
U12H	U11H	U10H	U09H	U08H
M01H	M02H	M03H	M04H	M05H
M06H	M07H	M08H		

N.T.S.



**AS DRILLED PLAT**  
**THRASHER**

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

LINE	BEARING	DISTANCE
R1	S 29°05'54" E	157.73'
R2	N 75°44'50" E	254.24'
R3	N 57°15'07" E	245.03'
R4	N 50°39'46" W	2273.03'
R5	N 85°26'11" W	1614.72'
R6	S 11°07'49" W	1266.01'

FILE #: LONGWORTH M06H - AS-DRILLED  
 DRAWING #: LONGWORTH M06H - 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 C. Mallow*  
 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 M06H - AS-DRILLED  
 API WELL #: 47 51 01916  
 STATE COUNTY PERMIT

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: 541.818±

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: 6,727'± TMD: 17,837'±

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

BHL is located on topo map 5,169 feet west of Longitude: 80° 42' 30"  
 SHL is located on topo map 5,169 feet west of Longitude: 80° 42' 30"

**LONGWORTH**  
**M06H**  
**PAGE 2 OF 2**  
**AS DRILLED**

	LESSOR	DIST-TM/PAR
A	GRAHAM H. LONGWORTH, JR. ET AL	4-11/1
B	HOLMES CWC LEGACY LLC	4-11/55
C	CLINT E. FLOWERS ET AL	4-11/56
D	THOMAS O. RICHMOND ET UX	4-11/56.1
E	STEPHANIE L. GATTS	4-11/58
F	CHARLES R. KERNAN ET UX	9-1/19
G	SHANNON ROGER HUBBS ET UX	9-1/21
H	DEAN B. COLVIN	9-1/22.2
	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 EISENHAEUER	
	KIM YOHO	
	JASON COLVIN	
	BRENDA WILLINGHAM	
	DONALD COLVIN	
	MICHAEL COLVIN	
	STACY PANYKO	
	HAROLD E. VAN DINE	
	JOHN E. VAN DINE	
J	THOMAS B. CLARK ET UX	9-4/9.1
K	THOMAS B. CLARK ET UX	9-5/2

	SURFACE OWNER	DIST-TM/PAR
1	GRAHAM H. LONGWORTH, JR.	4-11/1
2	HOLMES-CWC-LEGACY LLC	4-11/55
3	CLINT E. & BRENT B. FLOWERS	4-11/56
4	THOMAS O. RICHMOND, ET UX.	4-11/56.1
5	KENNETH A. MAYHUGH, II & SHELBY E. HARRIS	4-11/58
6	CHAS R. & EDITH V. KERNAN	9-1/19
7	CNX LAND RESOURCES INC.	9-1/21
8	GEORGE CHRIS LAGOS, ET UX.	9-1/22.2
9	THOMAS B. CLARK, ET UX.	9-4/9.1
10	THOMAS B. CLARK, ET UX.	9-5/2

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**FEBRUARY 23, 2021**