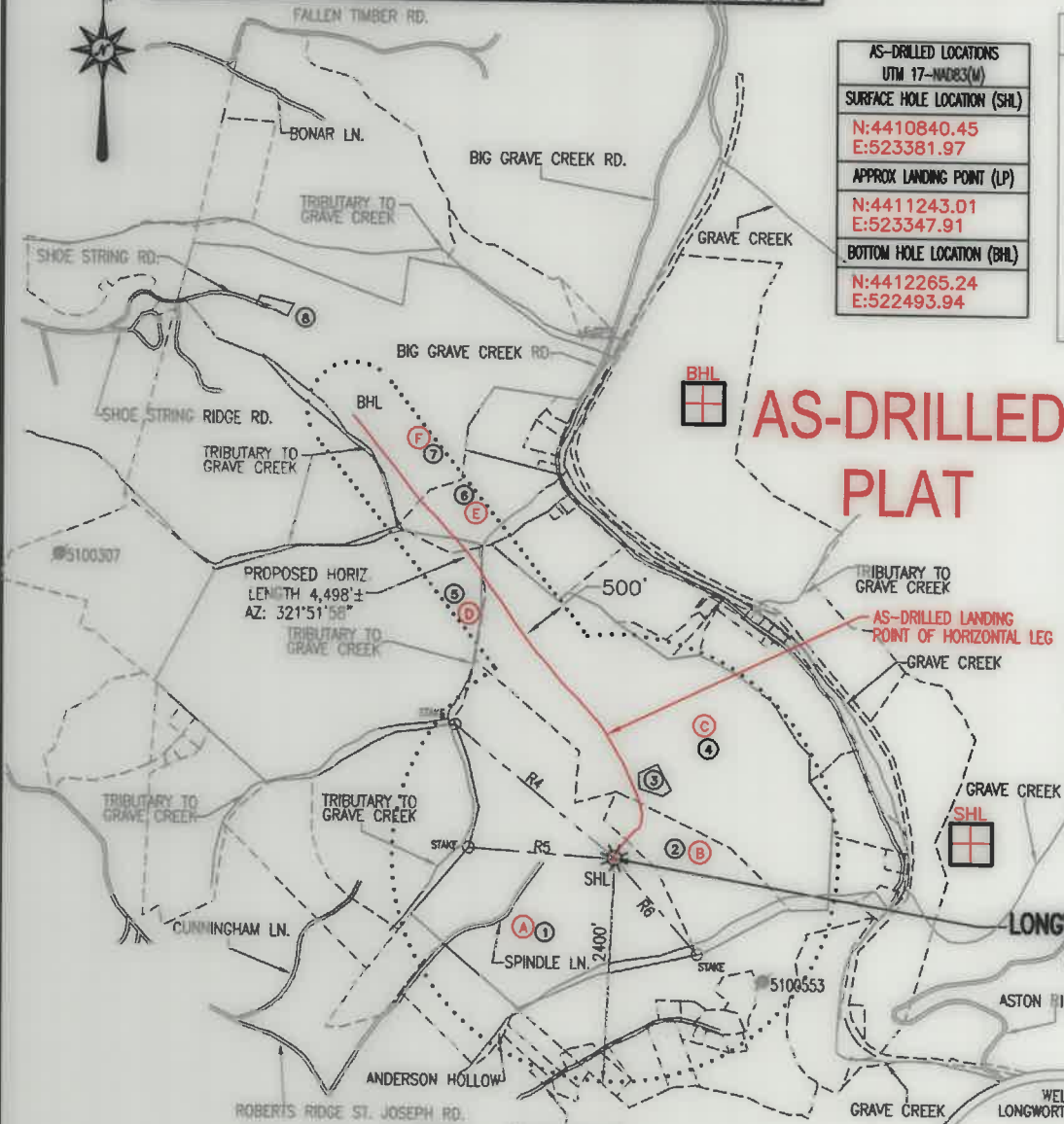
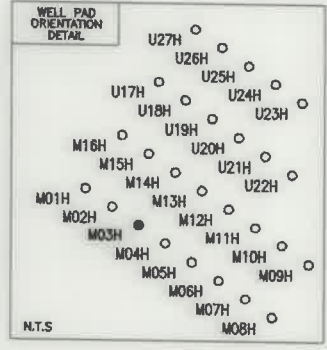


BHL is located on topo map 5,448 feet south of Latitude: 39° 52' 30"  
 SHL is located on topo map 10,133 feet south of Latitude: 39° 52' 30"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS



AS-DRILLED LOCATIONS UTM 17-MADE3(M)
SURFACE HOLE LOCATION (SHL) N:4410840.45 E:523381.97
APPROX LANDING POINT (LP) N:4411243.01 E:523347.91
BOTTOM HOLE LOCATION (BHL) N:4412265.24 E:522493.94



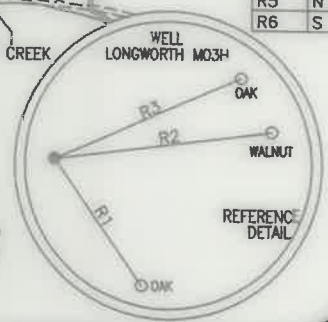
**LEGEND**

- 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

LINE	BEARING	DISTANCE
R1	S 34°54'11" E	199.00'
R2	N 82°31'25" E	286.01
R3	N 66°13'23" E	265.80
R4	N 50°33'42" W	2228.20
R5	N 86°14'55" W	1575.82
R6	S 41°13'45" E	1350.16'



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

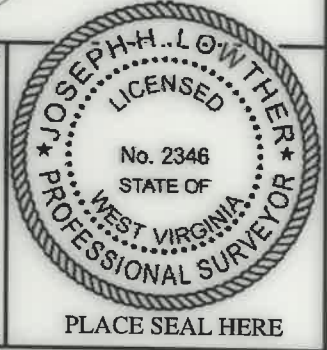
- NOTES:
- There are no water wells or developed springs within 250' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface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

BHL is located on topo map 8,108 feet west of Longitude: 80° 42' 30"  
 SHL is located on topo map 5,207 feet west of Longitude: 80° 42' 30"

FILE #: LONGWORTH M03H - AS-DRILLED  
 DRAWING #: LONGWORTH M03H - 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*  
 F.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: DECEMBER 28, 2021  
 OPERATOR'S WELL #: LONGWORTH M03H - AS-DRILLED  
 API WELL #: 47 51 01903  
 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: 625.06± 09/09/2022

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: 6,502'± TMD: 11,562'±

WELL OPERATOR: EQT CHAP, LLC DESIGNATED AGENT: JOSEPH C. MALLOW  
 Address: 400 WOODCLIFF DRIVE Address: 427 MIDSTATE DRIVE  
 City: CANONSBURG State: PA Zip Code: 15317 City: CLARKSBURG State: WV Zip Code: 26301

**LONGWORTH**  
**M03H**  
**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	
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	
D	BRETT A. ANDREWS ET UX	4-12/19
	MARY ANN BAKER	4-12/10
E	ULMAN TRUST MARY ANN BAKER TRSTE	
	DIOCESE OF WHEELING - CHARLESTON	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFREY A. WUERTHELE	
	MICHAEL D. WUERTHELE ET UX	
	SISTERS OF ST. FRANCIS PROV OF GOD	
SUSAN ZIDAR ET VIR		
F	VICKIE L. MARKEY IRREVOCABLE TRST	4-12/3
	JMK IREV TRST	
	PURPLEBURGH VENTURES LLC	
	MARCELLUS TX MINERAL PRTRNS LTD	

	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. & JEANNETTE L. LONGWORTH	4-12/16.1
4	DANIEL C. LONGWORTH	4-12/16
5	CODY M. JARRETT	4-12/19
6	THOMAS HAUGHT ET AL	4-12/10
7	MERLE CHAPLIN ET UX	4-12/3
8	MERLE R. & JEAN E. CHAPLIN	4-12/3.1

AS-DRILLED LOCATIONS UTM 17-NAD83(M)
SURFACE HOLE LOCATION (SHL)
N:4410840.45 E:523381.97
APPROX LANDING POINT (LP)
N:4411243.01 E:523347.91
BOTTOM HOLE LOCATION (BHL)
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09/09/2022

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**DECEMBER 28, 2021**