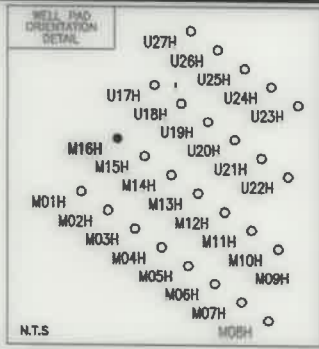


LINE	BEARING	DISTANCE
R1	S 30°42'43" E	238.32'
R2	S 89°07'10" E	291.46'
R3	N 75°23'08" E	259.49'
R4	S 31°24'31" W	1963.52'
R5	S 73°03'45" W	2283.32'
R6	N 87°45'09" W	1585.80'

BHL is located on topo map 5,588 feet south of Latitude: 39° 52' 30"  
 SHL is located on topo map 10,063 feet south of Latitude: 39° 52' 30"

# AS-DRILLED PLAT

- 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.



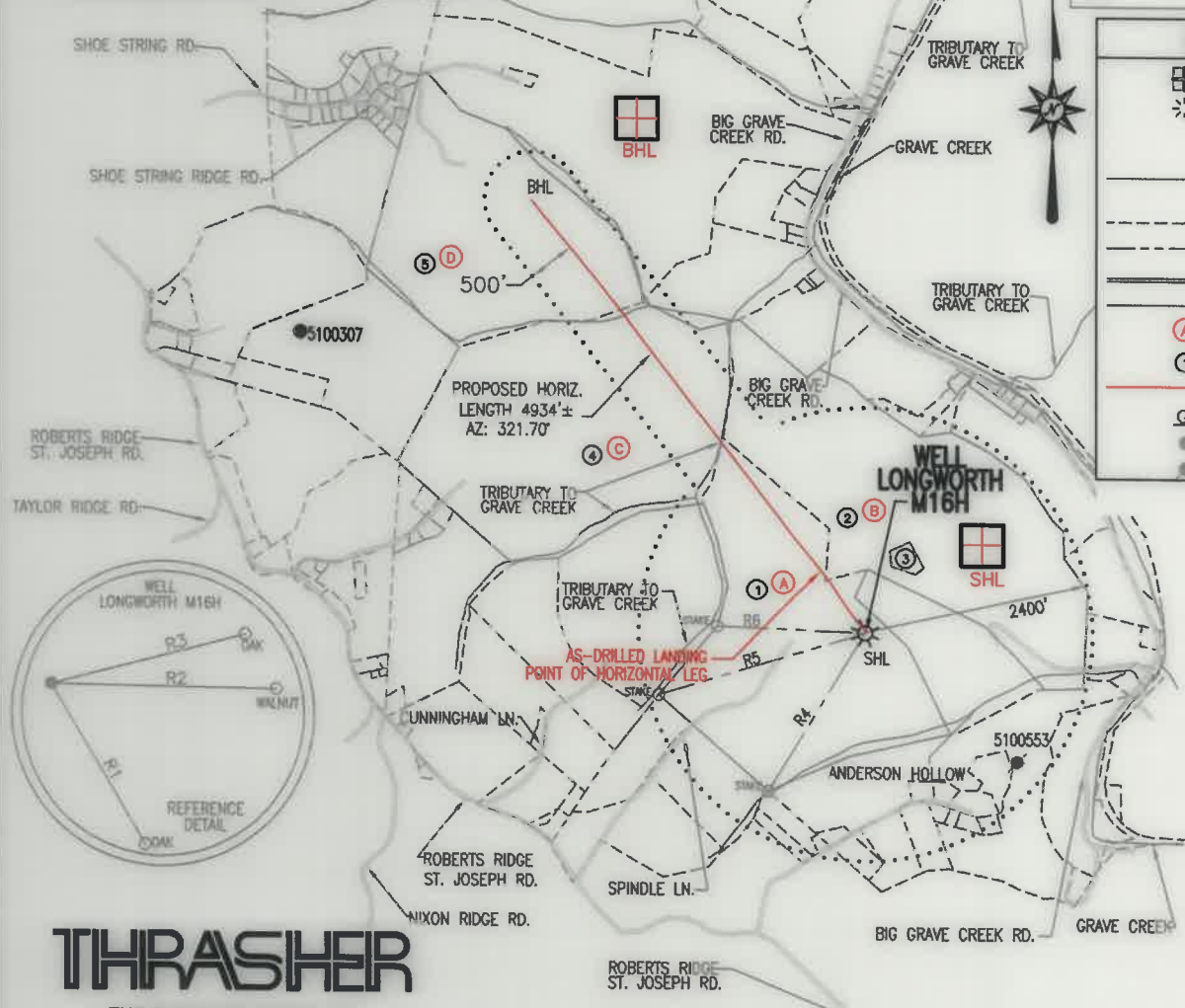
**LEGEND**

- 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

BHL is located on topo map 8,816 feet west of Longitude: 80° 42' 30"  
 SHL is located on topo map 5,161 feet west of Longitude: 80° 42' 30"



AS-DRILLED LOCATIONS	
UTM 17-NAD83(W)	
SURFACE HOLE LOCATION (SHL)	
N:4410853.11	E:523379.37
APPROX LANDING POINT (LP)	
N:4411051.96	E:523231.49
BOTTOM HOLE LOCATION (BHL)	
N:4412221.00	E:522277.75

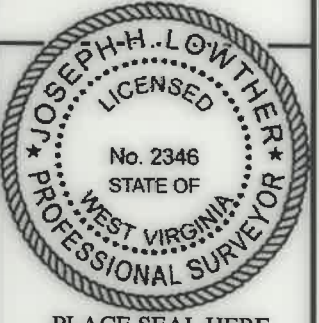
**THRASHER**  
 THE THRASHER GROUP, INC.  
 600 WHITE OAKS BLVD.  
 BRIDGEPORT, WV 26330  
 PHONE 304-624-4108

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: LONGWORTH M16H - AS-DRILLED  
 DRAWING #: LONGWORTH M16H - 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: DECEMBER 28, 2021  
 OPERATOR'S WELL #: LONGWORTH M16H - AS-DRILLED  
 API WELL #: 47 51 02083  
 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: 539.594± 08/26/2022

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: 6,488± TMD: 11,897±

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**  
**M16H**  
**PAGE 2 OF 2**  
**AS-DRILLED**

	LESSOR	DIST-TM/PAR
A	GRAHAM H. LONGWORTH JR. ET AL	4-11/1
B	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	
C	BRETT A. ANDREWS ET UX	4-12/19
	D	JMK IREV TRST
	PURPLEBURGH VENTURES LLC	
	MARCELUS TX MINERAL PRTNRS LTD	

	SURFACE OWNER	DIST-TM/PAR
1	GRAHAM H. LONGWORTH JR.	4-11/1
2	DANIEL C. LONGWORTH	4-12/16
3	DANIEL C. SR. AND JEANNETTE L. LONGWORTH	4-12/16.1
4	CODY M. JARRETT	4-12/19
5	MERLE L. CHAPLIN ET UX	4-12/4

AS-DRILLED LOCATIONS UTM 17-NAD83(M)
SURFACE HOLE LOCATION (SHL)
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APPROX LANDING POINT (LP)
N:4411051.96 E:523231.49
BOTTOM HOLE LOCATION (BHL)
N:4412221.00 E:522277.75

08/26/2022

DECEMBER 28, 2021

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