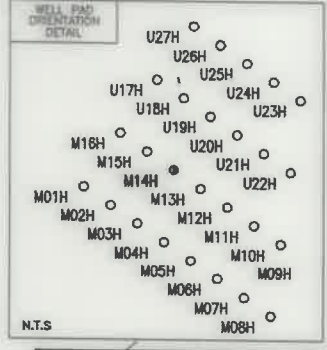
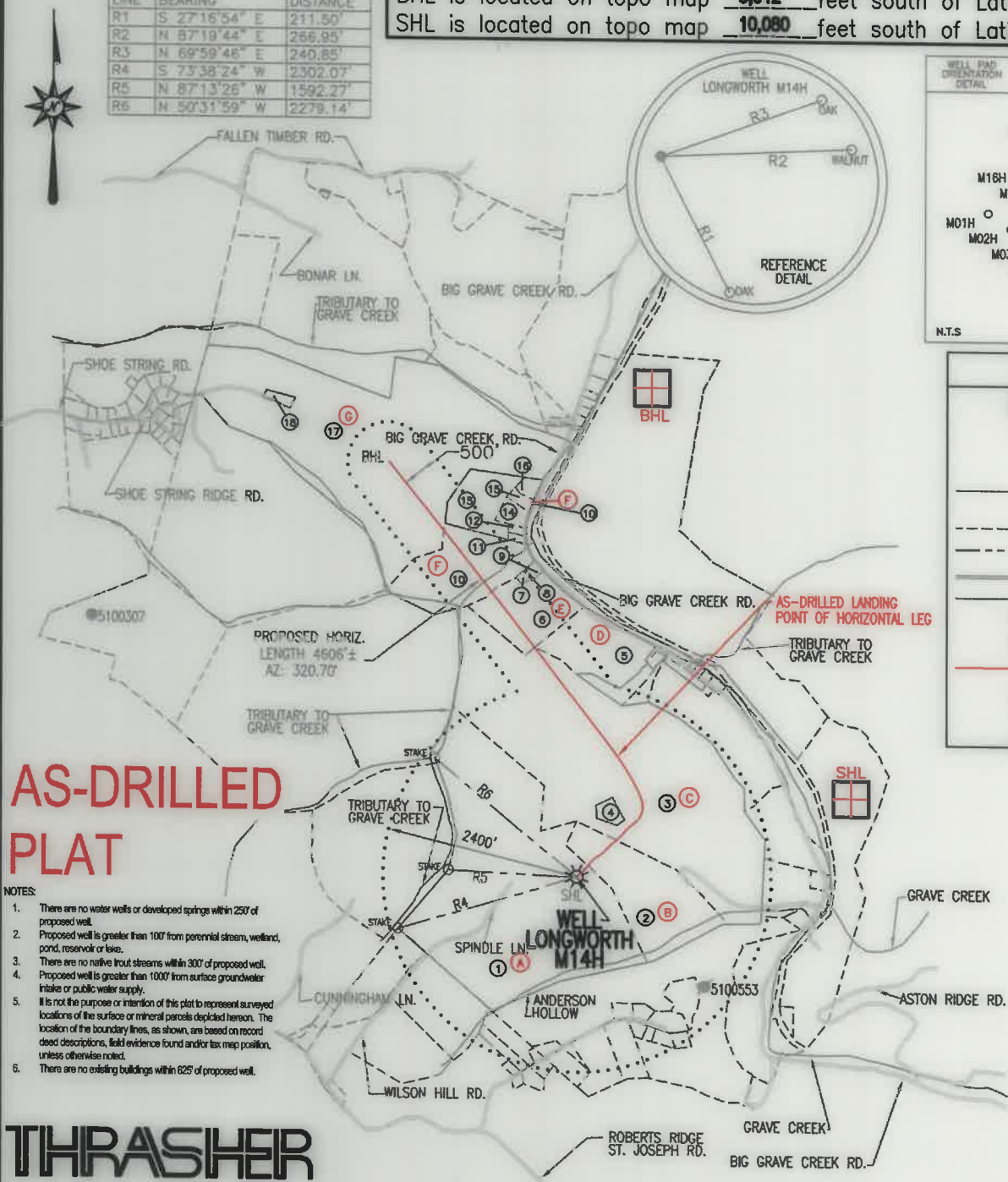


LINE	BEARING	DISTANCE
R1	S 27°16'54" E	211.50'
R2	N 87°19'44" E	266.95'
R3	N 69°59'46" E	240.85'
R4	S 73°38'24" W	2302.07'
R5	N 87°13'26" W	1592.27'
R6	N 50°31'59" W	2279.14'

BHL is located on topo map 5,042 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 10,080 feet south of Latitude: 39° 52' 30"

BHL is located on topo map 7,595 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 5,136 feet west of Longitude: 80° 42' 30"



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 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.

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

AS-DRILLED LOCATIONS UTM 17-MAD83(M)

SURFACE HOLE LOCATION (SHL)
N:4410848.08 E:523387.00
APPROX LANDING POINT (LP)
N:4411306.33 E:523532.15
BOTTOM HOLE LOCATION (BHL)
N:4412389.54 E:522649.18

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: LONGWORTH M14H - AS-DRILLED
 DRAWING #: LONGWORTH M14H - 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*
 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 M14H - AS-DRILLED
 API WELL #: 47 51 02081
 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: 505.949± **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: 6,488'± TMD: 11,788'±
 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

M14H

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	4-11/2
	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	MICHAEL A. JOBES ET UX	4-12/12
	MARY ANN BAKER	4-12/10.2
ULMAN TRUST MARY ANN BAKER TRSTE		
DIOCESE OF WHEELING - CHARLESTON		
ROBERT S. WUERTHELE		
MARK K. WUERTHELE		
JEFFREY A. WUERTHELE		
MICHAEL D. WUERTHELE		
SISTERS OF ST FRANCIS PROV OF GOD		
F	SUSAN ZIDAR ET VIR	4-12/10
	VICKIE L. MARKEY IRREVOCABLE TRST	
	MARY ANN BAKER	
	ULMAN TRUST MARY ANN BAKER TRSTE	
	DIOCESE OF WHEELING - CHARLESTON	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFREY A. WUERTHELE	
G	MICHAEL D. WUERTHELE	4-12/3
	SISTERS OF ST FRANCIS PROV OF GOD	
	SUSAN ZIDAR ET VIR	
	VICKIE L. MARKEY IRREVOCABLE TRST	
	JMK IREV TRST	
PURPLEBURGH VENTURES LLC	4-12/3	
MARCELLUS TX MINERAL PRTNRS 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. LONGWORTH	4-12/16
4	DANIEL C. SR. AND JEANNETTE L. LONGWORTH	4-12/16.1
5	KEVIN HAUGHT	4-12/12
6	THOMAS L. AND CLARA J. HAUGHT-LIFE	4-12/10.2
7	THOMAS L. AND CLARA J. HAUGHT-LIFE	4-12/6
8	THOMAS L. AND CLARA J. HAUGHT-LIFE	4-12/11
9	THOMAS L. & CLARA J. HAUGHT	4-12/10.1
10	THOMAS HAUGHT ET AL	4-12/10
11	CLIFFORD A. & JOY M. WHITE	4-12/10.3
12	CLIFFORD A. & JOY M. WHITE	4-12/10.4
13	CLIFFORD A. & JOY M. WHITE	4-12/10.5
14	THOMAS L. & CLARA J. HAUGHT	4-12/9
15	THOMAS L. & CLARA J. HAUGHT	4-12/8
16	THOMAS L. & CLARA J. HAUGHT	4-12/7
17	MERLE CHAPLIN ET UX	4-12/3
18	MERLE R. & JEAN E. CHAPLIN	4-12/3.1

AS-DRILLED LOCATIONS UTM 17-NAD83(M)
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DECEMBER 28, 2021

09/09/2022

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