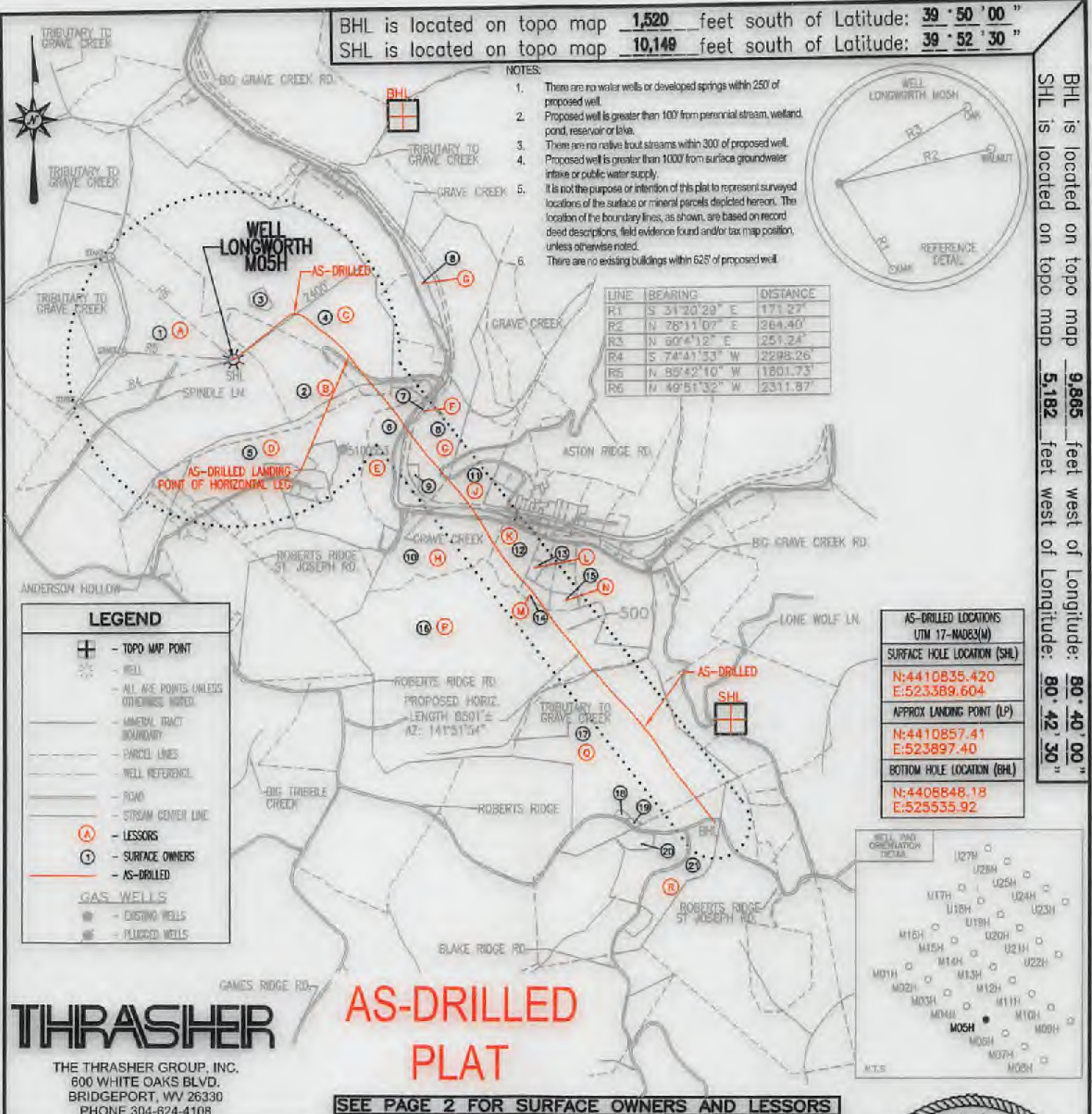


BHL is located on topo map 1,520 feet south of Latitude: 39° 50' 00"  
 SHL is located on topo map 10,149 feet south of Latitude: 39° 52' 30"

BHL is located on topo map 9,865 feet west of Longitude: 80° 40' 00"  
 SHL is located on topo map 5,182 feet west of Longitude: 80° 42' 30"



**LEGEND**

- ⊕ - TOPO MAP POINT
- ☉ - WELL
- ALL AVE POINTS UNLESS OTHERWISE NOTED
- AMERICAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- ROAD
- STREAM CENTER LINE
- (A) - LESSORS
- (S) - SURFACE OWNERS
- AS-DRILLED

**GAS WELLS**

- - EXISTING WELLS
- - PLUGGED WELLS

**AS-DRILLED LOCATIONS UTM 17-MA083(W)**

**SURFACE HOLE LOCATION (SHL)**

N:4410835.420  
E:523389.604

**APPROX LANDING POINT (LP)**

N:4410857.41  
E:523897.40

**BOTTOM HOLE LOCATION (BHL)**

N:4408848.18  
E:525535.92

**THRASHER**  
 THE THRASHER GROUP, INC.  
 800 WHITE OAKS BLVD.  
 BRIDGEPORT, WV 26330  
 PHONE 304-824-4108

**AS-DRILLED PLAT**

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

FILE #: LONGWORTH M05H - AS-DRILLED  
 DRAWING #: LONGWORTH M05H - 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 M05H - AS-DRILLED  
 API WELL #: 47 51 01914 M&D  
 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: 123.69±

OIL & GAS ROYALTY OWNER: GRAHAM H. LONGWORTH JR. ACREAGE: 849.548±

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: 6,664'± TMD: 15,886'±

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 M05H 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 FREISE	
	ANTHONY FREISE	
	JAMES FRIESE	
	HENRY FREISE	
C	GRAHAM H. LONGWORTH JR. ET AL	4-12/16
	SHERI L. EVRAETS FAMILY TRUST	
	LISA NICEWARNER	
	JULIA RODGERS	
	KEITH FRIESE	
	MARK FREISE	
	ANTHONY FREISE	
	JAMES FRIESE	
D	DELORES J. FOX	4-11/54
	CNX GAS COMPANY LLC	4-11/52
F	CNX GAS COMPANY LLC	4-11/59
G	HARRY F. ROUSH ET UX	4-11/3
H	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. COSLICK		
LESLEY D. BALLA		
J	GLEN WILLIAM CONNER	4-11/51
K	ALVIN D. BARRETT ET UX	9-1/3
L	*ROSEANN TRAYON	9-1/4.4
	*DIANA L. WELLMAN	
	*MARGARET ANN BONNETT	
	*JOE PAUL WELLMAN	
	*CHRISTINA L. BOARDWINE	
	*FRANCIS THOMAS KROL, JR.	
M	*WILLIAM R. LEVASSEUR, JR.	9-1/4.6
	CINDY S. TRAYON ET AL	
	DIANA L. WELLMAN	
	MARGARET ANN BONNETT	
	JOE PAUL WELLMAN	
	CHRISTINA L. BOARDWINE	
N	FRANCIS THOMAS KROL, JR.	9-1/4.5
	WILLIAM R. LEVASSEUR, JR.	
	ROBERT L. TRAYON, JR. ET UX	
	DIANA L. WELLMAN	
	MARGARET ANN BONNETT	
	JOE PAUL WELLMAN	
P	CHRISTINA L. BOARDWINE	9-1/18
	HOWARD E. YOUNG BY AIF SUSAN YOUNG	
Q	DANIEL L. DOBBS ET UX	9-1/16
R	PETER MILLER	9-1/24

	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. AND JEANNETTE L. LONGWORTH	4-12/16.1
4	DANIEL C. LONGWORTH	4-12/16
5	DUNCAN OR SUSAN ARNETT	4-11/54
6	HARRY & DONNA ROUSH	4-11/52
7	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT.	4-11/59
8	HARRY F. ROUSH ET UX	4-11/3
9	DEAN ROUSH ET UX	4-11/3.1
10	HARRY & DONNA ROUSH	9-1/2
11	GLEN W. CONNER ET UX	4-11/51
12	ALVIN DALE BARRETT ET UX	9-1/3
13	*ROSEANN TRAYON	9-1/4.4
14	CINDY SUE TRAYON & BRIAN CROW	9-1/4.6
15	ROBERT L. JR. & AMY J. TRAYON	9-1/4.5
16	CNX LAND RESOURCES INC.	9-1/18
17	CNX LAND RESOURCES INC.	9-1/16
18	MACK A. CROW ET UX	9-1/17
19	MACK A. CROW ET UX	9-1/16.1
20	VICKIE CROW	9-1/24.1
21	PETER A. MILLER	9-1/24

AS-DRILLED LOCATIONS UTM 17-NAD83(M)	
SURFACE HOLE LOCATION (SHL)	
N:4410835.420	E:523389.604
APPROX LANDING POINT (LP)	
N:4410857.41	E:523897.40
BOTTOM HOLE LOCATION (BHL)	
N:4408848.18	E:525535.92

12/24/2021

## THRASHER

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

\* -- DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

**FEBRUARY 23, 2021**

MOD 1