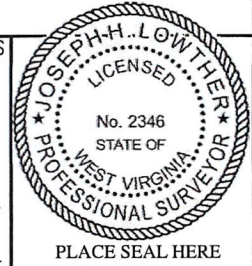


BHL is located on topo map 9,885 feet west of Longitude: 80° 40' 00"
 SHL is located on topo map 5,182 feet west of Longitude: 80° 42' 30"

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 STATE 51 COUNTY 01914 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: 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

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 WV Department of Environmental Protection

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 FRIESE	
	ANTHONY FRIESE	
	JAMES FRIESE	
	HENRY FRIESE	
	STEVEN 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	
	HENRY FRIESE	
	STEVEN FRIESE	
D	DELORES J. FOX	4-11/54
E	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.	
	*WILLIAM R. LEVASSEUR, JR.	
M	CINDY S. TRAYON ET AL	9-1/4.6
	DIANA L. WELLMAN	
	MARGARET ANN BONNETT	
	JOE PAUL WELLMAN	
	CHRISTINA L. BOARDWINE	
	FRANCIS THOMAS KROL, JR.	
	WILLIAM R. LEVASSEUR, JR.	
N	ROBERT L. TRAYON, JR. ET UX	9-1/4.5
	DIANA L. WELLMAN	
	MARGARET ANN BONNETT	
	JOE PAUL WELLMAN	
	CHRISTINA L. BOARDWINE	
	FRANCIS THOMAS KROL, JR.	
	WILLIAM R. LEVASSEUR, JR.	
P	HOWARD E. YOUNG BY AIF SUSAN YOUNG	9-1/18
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-MA83(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	

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Environmental Protection



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