

Longworth Well Pad
39.847283, -80.726760

RECEIVED
Office of Oil and Gas
AUG 23 2024
WV Department of
Environmental Protection

- ⊕ Well Head
- Access Road
- Well Pad Outline

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1 inch = 800 feet

USGS Location Map
Longworth
Marshall County - West Virginia

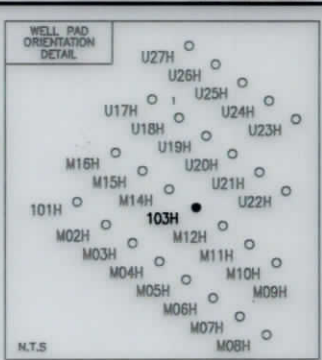
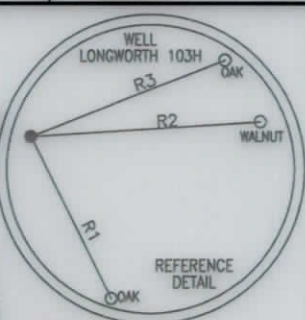
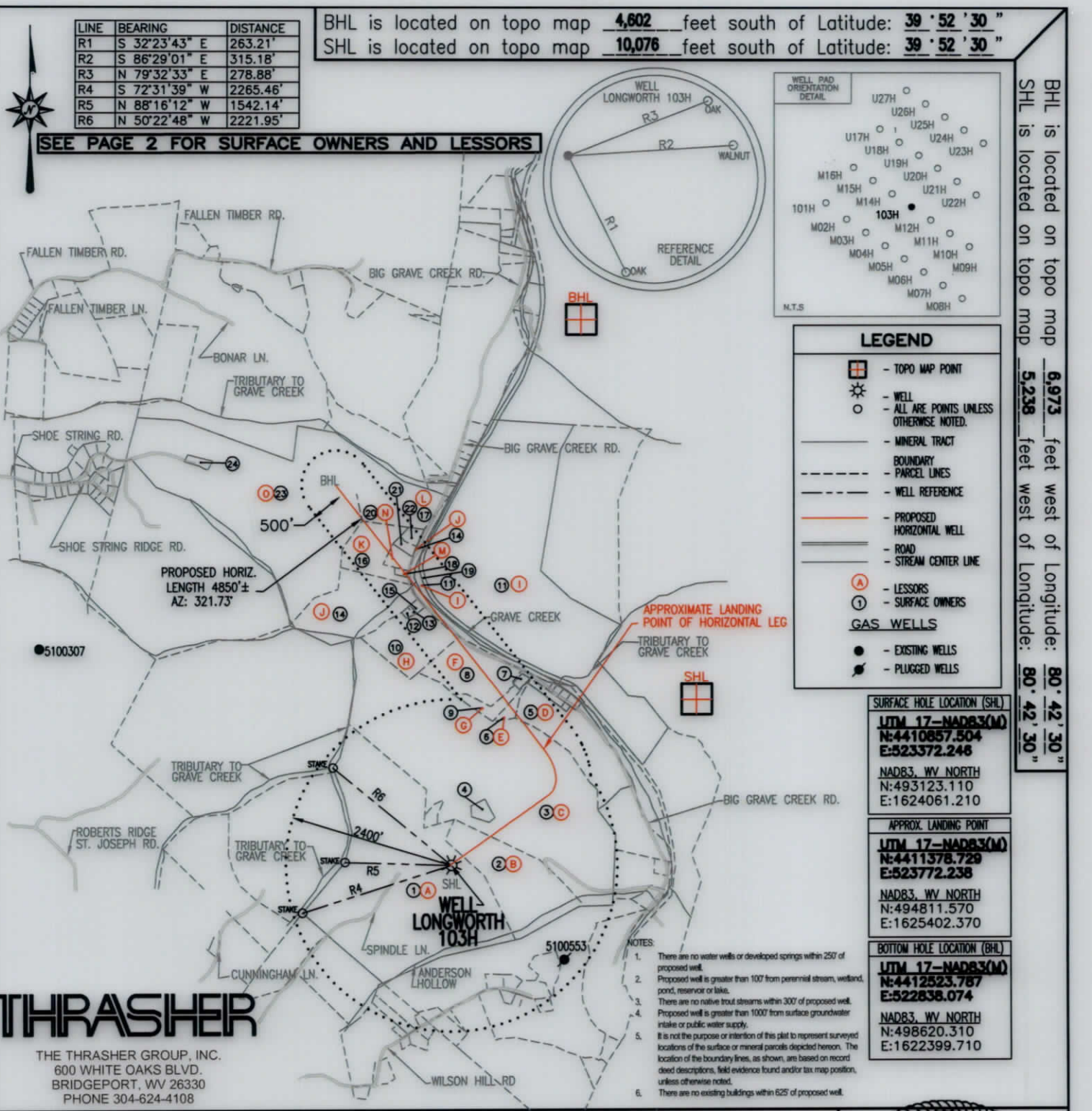
THRASHER

09/27/2024
8/7/2024

LINE	BEARING	DISTANCE
R1	S 32°23'43" E	263.21'
R2	S 86°29'01" E	315.18'
R3	N 79°32'33" E	278.88'
R4	S 72°31'39" W	2265.46'
R5	N 88°16'12" W	1542.14'
R6	N 50°22'48" W	2221.95'

BHL is located on topo map 4,602 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 10,076 feet south of Latitude: 39° 52' 30"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS



LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS

SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4410657.504
 E:523372.246

NAD83, WV NORTH
 N:493123.110
 E:1624061.210

APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4411378.729
 E:523772.238

NAD83, WV NORTH
 N:494811.570
 E:1625402.370

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4412523.767
 E:522838.074

NAD83, WV NORTH
 N:498620.310
 E:1622399.710

- 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

BHL is located on topo map 6,973 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 5,238 feet west of Longitude: 80° 42' 30"

FILE #: LONGWORTH 103H
 DRAWING #: LONGWORTH 103H
 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: AUGUST 21, 2024
 OPERATOR'S WELL #: LONGWORTH 103H
 API WELL #: 47 51 02520
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep Gas Liquid Injection Storage Shallow

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1270.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'
 SURFACE OWNER: GRAHAM H. LONGWORTH JR. ACREAGE: 123.586±
 OIL & GAS ROYALTY OWNER: GRAHAM H. LONGWORTH JR. ACREAGE: 298.747±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE
 (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,518'± TMD: 15,073'±
 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

09/27/2024

LONGWORTH

103H

PAGE 2 OF 2

	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	JAMES W. MORRISON, ET UX.	4-12/14
	MICHAEL A. JOBES ET UX	4-12/13
F	MICHAEL JOBES ET UX	4-12/12
G	MICHAEL JOBES ET UX	4-12/12.2
H	DIocese OF WHEELING - CHARLESTON	4-12/10.2
	SUSAN MARKEY ZIDAR, ET VIR.	
	LAUREN M. TEKELY IRREVOCABLE TRUST	
	MARY ANN BAKER	
	RALPH ULMAN AND MARY K. ULMAN TRUST	
	SISTERS OF ST FRANCIS PROV OF GOD	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFERY A. WUERTHELE	
	MICHAEL D. WUERTHELE, ET UX.	
I	DIocese OF WHEELING - CHARLESTON	4-10/1
	SUSAN MARKLEY ZIDAR, ET VIR	
	LAUREN M. TEKELY IRREVOCABLE TRUST	
	MARY ANN BAKER	
	RALPH ULMAN AND MARY K. ULMAN TRUST	
	SISTERS OF ST FRANCIS PROV OF GOD	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
JEFFERY A. WUERTHELE		
MICHAEL D. WUERTHELE		

	LESSOR	DIST-TM/PAR
J	DIocese OF WHEELING - CHARLESTON	4-12/10
	SUSAN MARKLEY ZIDAR, ET VIR	
	LAUREN M. TEKELY IRREVOCABLE TRUST	
	MARY ANN BAKER	
	RALPH ULMAN AND MARY K. ULMAN TRUST	
	SISTERS OF ST FRANCIS PROV OF GOD	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFERY A. WUERTHELE	
	MICHAEL D. WUERTHELE	
K	DIocese OF WHEELING - CHARLESTON	4-12/10.3
	SUSAN MARKLEY ZIDAR, ET VIR	
	LAUREN M. TEKELY IRREVOCABLE TRUST	
	MARY ANN BAKER	
	RALPH ULMAN AND MARY K. ULMAN TRUST	
	SISTERS OF ST FRANCIS PROV OF GOD	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFERY A. WUERTHELE	
	MICHAEL D. WUERTHELE	
L	ROBERT D. RICHMOND, ET UX.	4-12/5
M	DIocese OF WHEELING - CHARLESTON	4-12/10.4
	SUSAN MARKLEY ZIDAR, ET VIR	
	LAUREN M. TEKELY IRREVOCABLE TRUST	
	MARY ANN BAKER	
	RALPH ULMAN AND MARY K. ULMAN TRUST	
	SISTERS OF ST FRANCIS PROV OF GOD	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFERY A. WUERTHELE	
	MICHAEL D. WUERTHELE	
N	DIocese OF WHEELING - CHARLESTON	4-12/9
	SUSAN MARKLEY ZIDAR, ET VIR	
	LAUREN M. TEKELY IRREVOCABLE TRUST	
	MARY ANN BAKER	
	RALPH ULMAN AND MARY K. ULMAN TRUST	
	SISTERS OF ST FRANCIS PROV OF GOD	
	ROBERT S. WUERTHELE	
	MARK K. WUERTHELE	
	JEFFERY A. WUERTHELE	
	MICHAEL D. WUERTHELE	
O	JMK IREV TRST	4-12/3
	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. LONGWORTH	4-12/16
4	DANIEL C. SR. AND JEANNETTE L. LONGWORTH	4-12/16.1
5	JAMES W. MORRISON, ET UX.	4-12/14
6	KEVIN HAUGHT	4-12/13
7	KEVIN HAUGHT	4-12/12.1
8	KEVIN HAUGHT	4-12/12
9	KEVIN HAUGHT	4-12/12.2
10	THOMAS L. AND CLARA J. HAUGHT-LIFE	4-12/10.2
11	CITY OF MOUNDSVILLE	4-10/1
12	THOMAS L. AND CLARA J. HAUGHT	4-12/6
13	THOMAS L. AND CLARA J. HAUGHT	4-12/11
14	THOMAS HAUGHT ET AL	4-12/10
15	THOMAS L. & CLARA J. HAUGHT	4-12/10.1
16	CLIFFORD A. & JOY M. WHITE	4-12/10.3
17	ROBERT D & VIRGINIA RICHMOND	4-12/5
18	CLIFFORD A. & JOY M. WHITE	4-12/10.4
19	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT	4-12/25
20	THOMAS L. & CLARA J. HAUGHT	4-12/9
21	THOMAS L. & CLARA J. HAUGHT	4-12/8
22	THOMAS L. & CLARA J. HAUGHT	4-12/7
23	MERLE CHAPLIN ET UX	4-12/3
24	MERLE R. & JEAN E. CHAPLIN	4-12/3.1

SURFACE HOLE LOCATION (SHL)
LEM 17-NA0300
N:447857.864
E:823372.246

NA03, WV NORTH
 N:493123.110
 E:1624061.210

APPR. LAMBE POINT

LEM 17-NA0300
N:4411396.728
E:823772.238

NA03, WV NORTH
 N:494811.570
 E:1625402.370

BOTTOM HOLE LOCATION (BHL)

LEM 17-NA0300
N:4412823.787
E:822838.074

NA03, WV NORTH
 N:498620.310
 E:1622399.710

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AUGUST 21, 2024

47-051-02520