

AS-DRILLED PLAT

BHL is located on topo map 6,287 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 10,069 feet south of Latitude: 39° 52' 30"

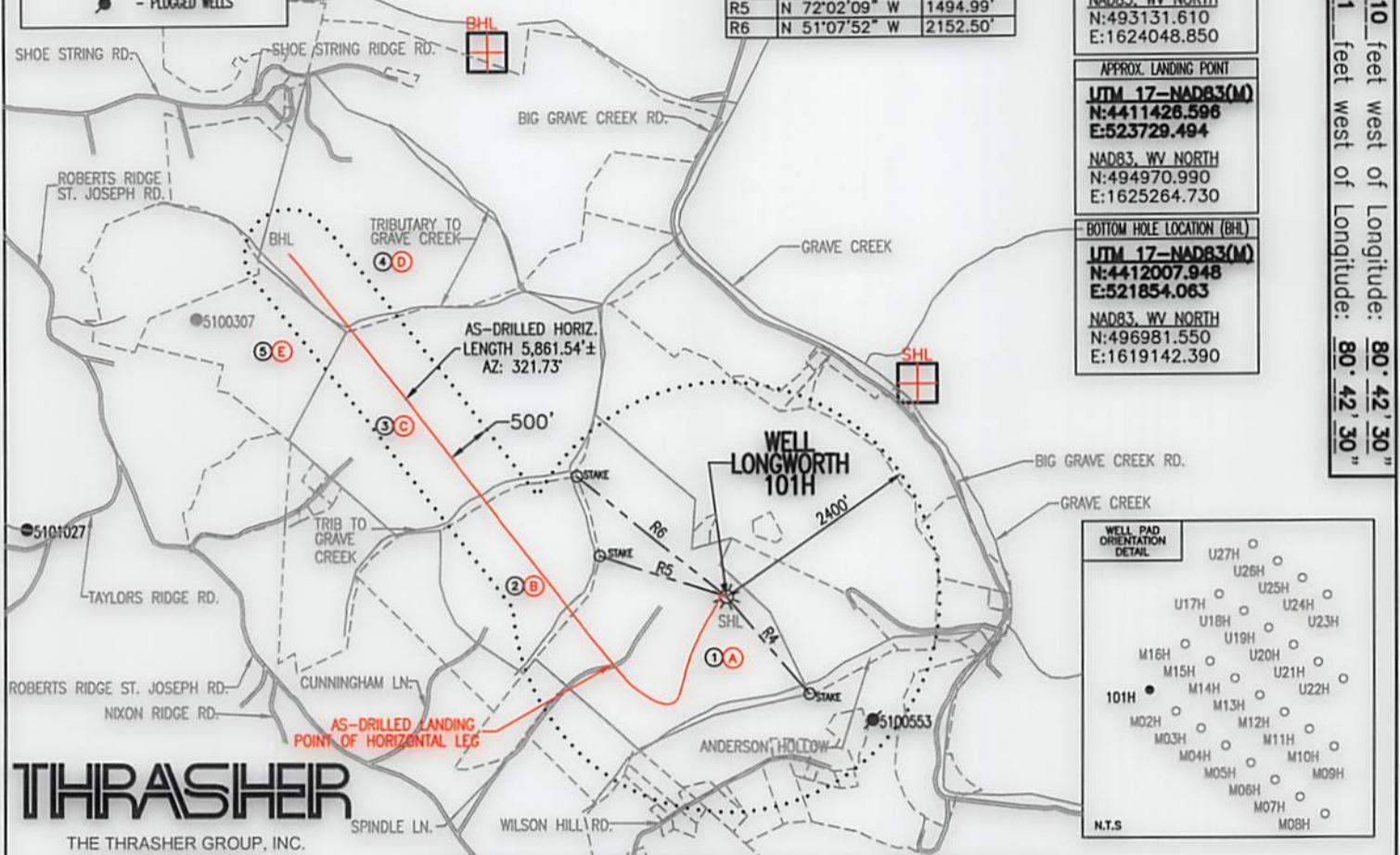
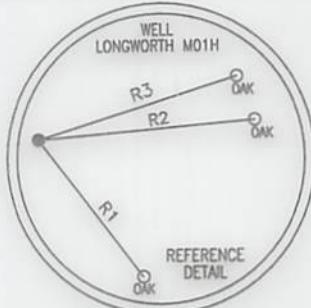
LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT
- BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- AS-DRILLED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- GAS WELLS
- EXISTING WELLS
- PLUGGED WELLS



NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
3. There are no native trout streams within 300' of proposed well.
4. Proposed well is greater than 1000' from surface groundwater intake or public water supply.
5. 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.
6. There are no existing buildings within 625' of proposed well.
7. Lateral information depicted hereon was supplied by others.



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 101H-AS-DRILLED

DRAWING #: LONGWORTH 101H-AS-DRILLED

SCALE: 1" = 2000'

MINIMUM DEGREE

OF ACCURACY: 1/2500

PROVEN SOURCE
OF ELEVATION: U.S.G.S. MONUMENT
THOMAS 1498.81'

(+) DENOTES LOCATION OF WELL ON
UNITED STATES TOPOGRAPHIC MAPS

WVDEP

OFFICE OF OIL & GAS

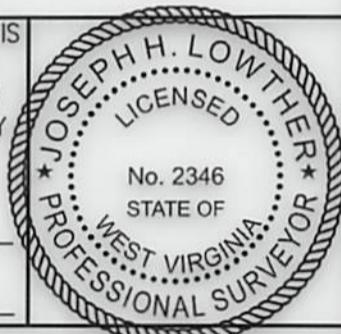
601 57TH STREET
CHARLESTON, WV 25304

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:

R.P.E.:

L.L.S.: P.S. No. 2346



DATE: JANUARY 20, 2025

OPERATOR'S WELL #: LONGWORTH 101H-AS-DRILLED

API WELL #: 47 51 02519

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: 123.589±

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): AS-DRILLED PLAT

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,553'± TMD: 13,274'±

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

BHL is located on topo map 10,210 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 5,251 feet west of Longitude: 80° 42' 30"

**LONGWORTH
101H
PAGE 2 OF 2**

AS-DRILLED

	LESSOR	DIST-TM/PAR
A	GRAHAM H. LONGWORTH JR. ET AL	4-11/1
B	DALE CUNNINGHAM ET UX	4-13/33
C	BRETT A. ANDREWS ET UX	4-12/19
D	JMK IREV TRST PURPLEBURGH VENTURES LLC MARCELLUS TX MINERAL PRTNRS LTD	4-12/4
E	JMK IREV TRST	4-12/21

AS-DRILLED LOCATIONS
SURFACE HOLE LOCATION (SHL)

UTM_17-NAD83(M)
N:4410860.031
E:523388.437

NAD83, WV NORTH
N:493131.610
E:1624048.850

APPROX. LANDING POINT
UTM_17-NAD83(M)
N:4411426.596
E:523729.494

NAD83, WV NORTH
N:494970.990
E:1625264.730

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5	RALPH E. WOOD	4-12/21

BOTTOM HOLE LOCATION (BHL)

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N:4412007.948
E:521854.063

NAD83, WV NORTH
N:496981.550
E:1619142.390

01/23/2026

JANUARY 20, 2025

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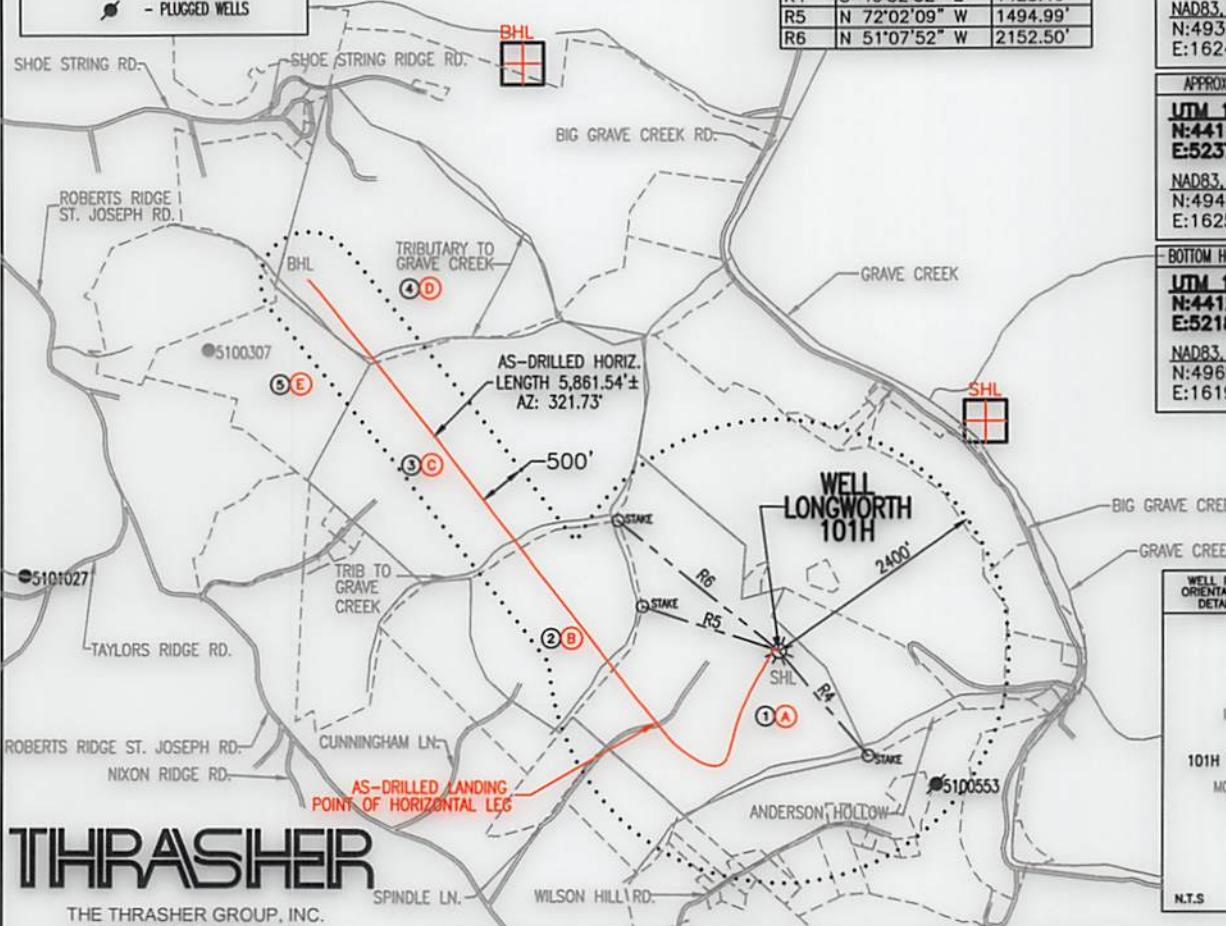
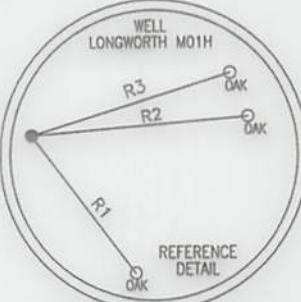
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LINE	BEARING	DISTANCE
R1	S 34°52'31" E	227.76'
R2	N 86°57'54" E	312.31'
R3	N 81°36'46" E	291.32'
R4	S 40°52'32" E	1428.46'
R5	N 72°02'09" W	1494.99'
R6	N 51°07'52" W	2152.50'

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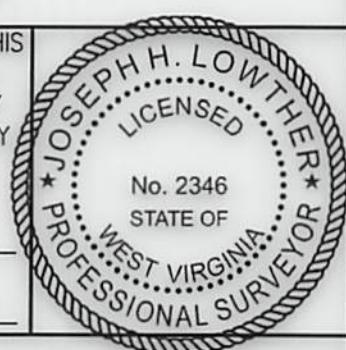
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