




47 05 10 25 19

Longworth Well Pad  
39.847283, -80.726760

-  Well Head
-  Access Road
-  Well Pad Outline

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

Copyright © 2013 National Geographic Society, i-cubed



1 inch = 800 feet

USGS Location Map  
Longworth  
Marshall County - West Virginia

THRASHER

09/27/2024

8/7/2024

Document Path: R:\0701070-10539-00-Longworth North Subsurface-EQT-IGIS\MXD\USGS\_LONGWORTH\_8x11.mxd

By: egarlow



**LEGEND**

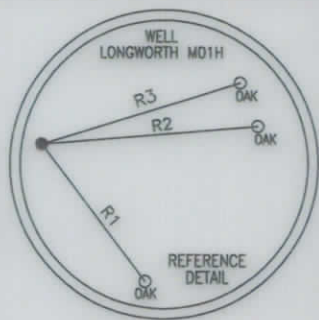
- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT
- BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS

**GAS WELLS**

- EXISTING WELLS
- PLUGGED WELLS

BHL is located on topo map 6,235 feet south of Latitude: 39° 52' 30"  
 SHL is located on topo map 10,069 feet south of Latitude: 39° 52' 30"

- 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.

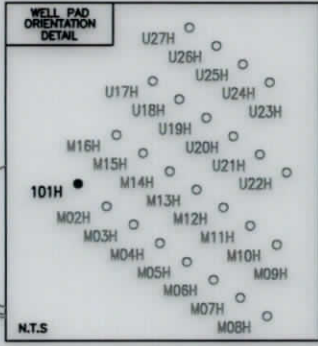
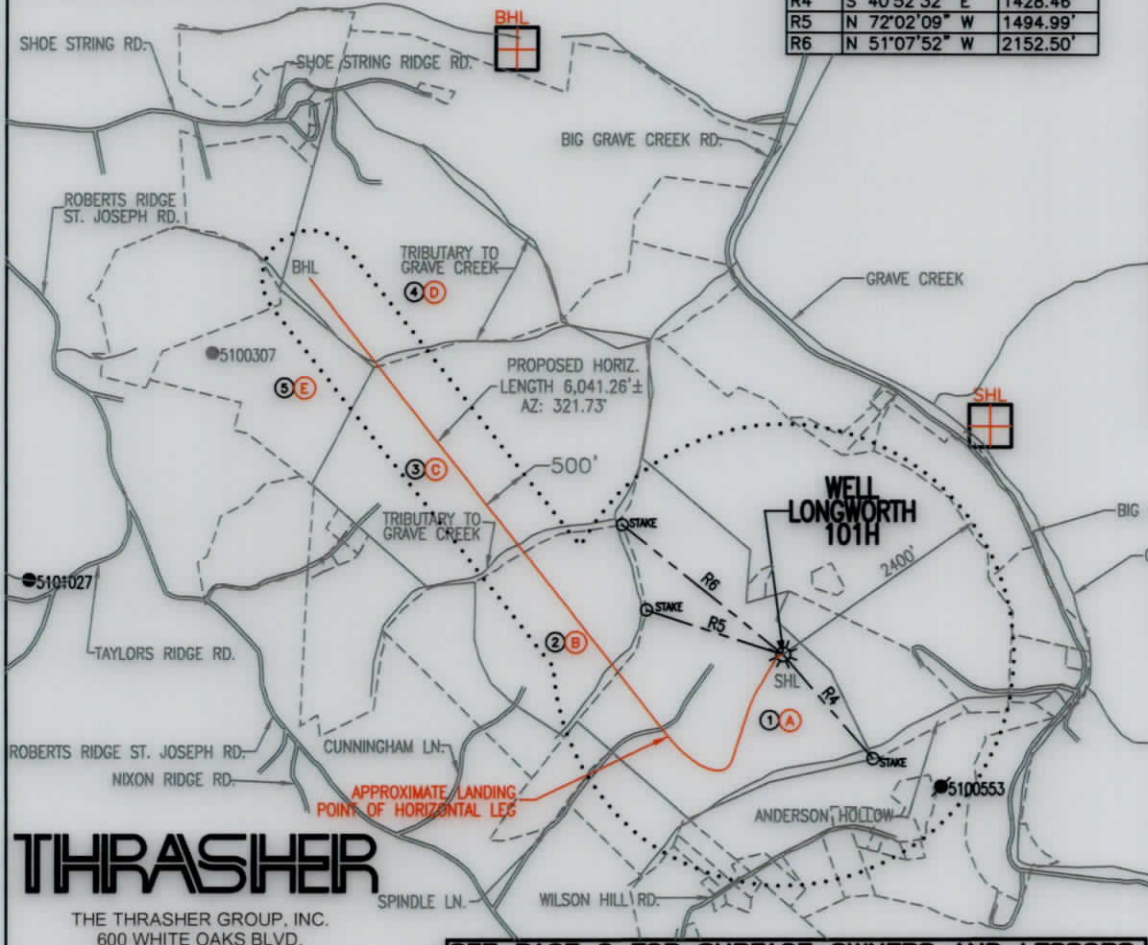


| LINE | BEARING       | DISTANCE |
|------|---------------|----------|
| R1   | S 34°52'31" E | 227.76'  |
| R2   | N 86°57'54" E | 312.31'  |
| R3   | N 81°36'46" E | 291.32'  |
| R4   | S 40°52'32" E | 1428.46' |
| R5   | N 72°02'09" W | 1494.99' |
| R6   | N 51°07'52" W | 2152.50' |

**SURFACE HOLE LOCATION (SHL)**  
 UTM 17-NAD83(M)  
 N:4410860.031  
 E:523368.437  
 NAD83, WV NORTH  
 N:493131.610  
 E:1624048.850

**APPROX. LANDING POINT**  
 UTM 17-NAD83(M)  
 N:4410597.284  
 E:523007.719  
 NAD83, WV NORTH  
 N:492289.124  
 E:1622850.746

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17-NAD83(M)  
 N:4412023.23  
 E:521843.590  
 NAD83, WV NORTH  
 N:497032.283  
 E:1619108.8610



**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  
 DRAWING #: LONGWORTH 101H  
 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:

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 101H  
 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: 123.69±

OIL & GAS ROYALTY OWNER: GRAHAM H. LONGWORTH JR. ACREAGE: 298.74±

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: 16,343'±

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 10,242 feet west of Longitude: 80° 42' 30"  
 SHL is located on topo map 5,251 feet west of Longitude: 80° 42' 30"

08/27/2024

# LONGWORTH 101H PAGE 2 OF 2

|   | 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                   | 4-12/4      |
|   | PURPLEBURGH VENTURES LLC        |             |
|   | MARCELLUS TX MINERAL PRTRNS LTD |             |
| E | JMK IREV TRST                   | 4-12/21     |

|   | SURFACE OWNER           | DIST-TM/PAR |
|---|-------------------------|-------------|
| 1 | GRAHAM H. LONGWORTH JR. | 4-11/1      |
| 2 | DALE & MARY CUNNINGHAM  | 4-13/33     |
| 3 | CODY M. JARRETT         | 4-12/19     |
| 4 | MERLE L. CHAPLIN ET UX  | 4-12/4      |
| 5 | RALPH E. WOOD           | 4-12/21     |

**SURFACE HOLE LOCATION (S4)**  
**UTM 17-NAD8300**  
**N:4410580.031**  
**E:823388.437**  
**NAD83 WY NORTH**  
**N:493131.610**  
**E:1624048.850**

**APPROX. LANDING POINT**  
**UTM 17-NAD8300**  
**N:4410587.284**  
**E:823007.719**  
**NAD83 WY NORTH**  
**N:492289.124**  
**E:1622850.746**

**SURFACE HOLE LOCATION (S4)**  
**UTM 17-NAD8300**  
**N:4410583.923**  
**E:821843.890**  
**NAD83 WY NORTH**  
**N:497032.283**  
**E:1619108.8610**

09/27/2024

**AUGUST 21, 2024**

## THRASHER

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

47-051-02519