

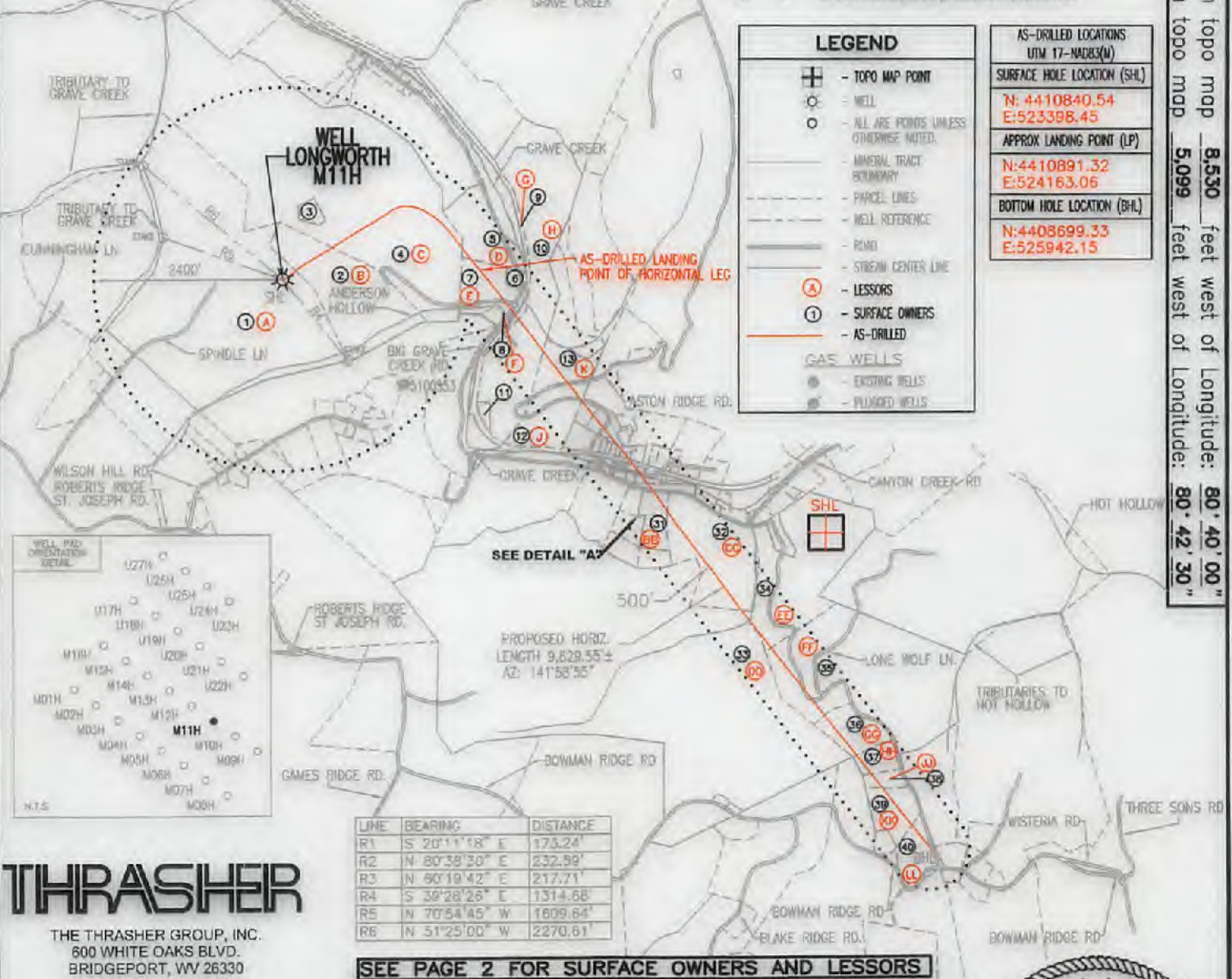
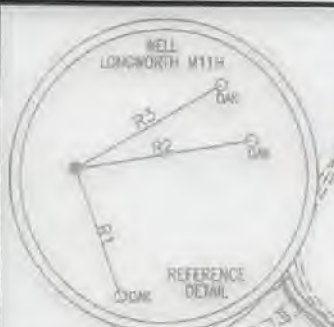
BHL is located on topo map 2,010 feet south of Latitude: 39° 50' 00"  
 SHL is located on topo map 10,105 feet south of Latitude: 39° 52' 30"

# AS-DRILLED PLAT

**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 herein. 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.

BHL is located on topo map 8,530 feet west of Longitude: 80° 40' 00"  
 SHL is located on topo map 5,099 feet west of Longitude: 80° 42' 30"



**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 M11H - AS-DRILLED  
 DRAWING #: LONGWORTH M11H - 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 M11H - AS-DRILLED  
 API WELL #: 47 51 02131 M0D  
 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: 123.589±

OIL & GAS ROYALTY OWNER: GRAHAM H. LONGWORTH JR. ACREAGE: 871.063±

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: 6,690± TMD: 17,321±

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

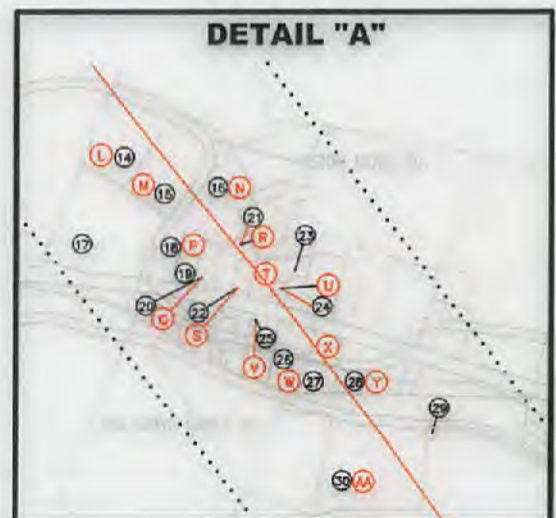
# LONGWORTH M11H PAGE 2 OF 2 AS-DRILLED

|   | 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 | ROBERT L. SR. & PAMELA L. SHAFFER | 4-12/15.3   |
|   | ROBERT L. SR. & PAMELA L. SHAFFER | 4-12/15     |
| F | KELLY B. & CONNIE S. WINLAND      | 4-12/15.2   |
| G | CNX GAS COMPANY LLC               | 4-11A/25    |
| H | HARRY F. & DONNA L. ROUSH         | 4-11/3      |
| J | GLEN W. & RHONDA S. CONNER        | 4-11/51     |
| K | HARRY F. & DONNA L. ROUSH         | 4-11/5      |
|   | HEIRS OF HARRISON M. EVANS        |             |
| L | LARRY E. YOHO                     | 4-11A/24    |
| M | LARRY E. YOHO                     | 4-11A/23    |
| N | WILLIAM CONNER GLEN               | 4-11A/22    |
|   | HOMER W. WHITE                    |             |
| P | *ALVIN D. BARRETT                 | 4-11A/3     |
| Q | *DALE L. WITLACH                  | 4-11A/4     |
| R | DALE L. WITLACH                   | 4-11A/5     |
| S | CHARLES M. HENRY                  | 4-11A/6     |

|    | LESSOR                              | DIST-TM/PAR |
|----|-------------------------------------|-------------|
| T  | CHARLES M. HENRY                    | 4-11A/7     |
| U  | *CHARLES M. HENRY                   | 4-11A/8     |
| V  | *HARRY F. & DONNA L. ROUSH          | 4-11/4      |
| W  | JOHN Z. GARRISON                    | 4-11A/35    |
| X  | JOHN Z. GARRISON                    | 4-11A/36    |
| Y  | GOLDIE M. OLIVER                    | 4-11A/37    |
| AA | WELLMAN HEIRS                       | 9-1/4       |
|    | ROBERT L., SR. & MARGARET J. TRAYON |             |
| BB | *WELLMAN HEIRS                      | 9-1/4.3     |
|    | *ROBERT L., JR. & AMY J. TRAYON     |             |
| CC | CONSOLIDATION COAL                  | 9-1/5       |
| DD | HOWARD E. BY AIF SUSAN YOUNG        | 9-1/18      |
| EE | R.G. & ELIZABETH J. DAKAN HEIRS     | 9-1/12      |
| FF | ROBERT A. WILLIAMS                  | 9-1/13      |
| GG | ROBERT A. WILLIAMS                  | 9-1/13.3    |
| HH | ROBERT A. WILLIAMS                  | 9-1/13.4    |
| JJ | ROBERT A. WILLIAMS                  | 9-1/13.5    |
| KK | KENNETH D. TUCKER                   | 9-1/13.7    |
| LL | GERALD E. LOGSDON                   | 9-1/13.6    |

|   |
|---|
| AS-DRILLED LOCATIONS<br>UTM 17-NAD83(M) |
| SURFACE HOLE LOCATION (SHL)             |
| N: 4410840.54<br>E: 523398.45           |
| APPROX LANDING POINT (LP)               |
| N: 4410891.32<br>E: 524153.06           |
| BOTTOM HOLE LOCATION (BHL)              |
| N: 4408699.33<br>E: 525942.15           |

|    | 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., & JEANNETTE L. LONGWORTH                | 4-12/16.1   |
| 4  | DANIEL C. LONGWORTH                                    | 4-12/16     |
| 5  | ROBERT L. SHAFFER SR., ET AL                           | 4-12/15.3   |
| 6  | ROBERT S. COWGILL                                      | 4-12/15.1   |
| 7  | ROBERT L. SHAFFER SR., ET AL                           | 4-12/15     |
| 8  | KELLY BRUCE WINLAND ET UX                              | 4-12/15.2   |
| 9  | CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT | 4-11A/25    |
| 10 | HARRY F. ROUSH ET UX                                   | 4-11/3      |
| 11 | DEAN ROUSH ET UX                                       | 4-11/3.1    |
| 12 | GLEN W. CONNER ET UX                                   | 4-11/51     |
| 13 | HARRY F. ROUSH ET UX                                   | 4-11/5      |
| 14 | LARRY E. YOHO ET UX - G. E. YOHO                       | 4-11A/24    |
| 15 | LARRY E. YOHO ET UX                                    | 4-11A/23    |
| 16 | GLEN WILLIAM CONNER ET AL                              | 4-11A/22    |
| 17 | KERMIT W. YOHO JR.                                     | 4-11A/1     |
| 18 | ALVIN D. & CAROL D. BARRETT                            | 4-11A/2     |
| 19 | *ALVIN DALE BARRETT ET UX                              | 4-11A/3     |
| 20 | *DALE L. WHITLATCH ET UX                               | 4-11A/4     |
| 21 | DALE L. WHITLATCH ET UX                                | 4-11A/5     |
| 22 | CHARLES M. HENRY ET UX                                 | 4-11A/6     |
| 23 | CHARLES M. HENRY ET UX                                 | 4-11A/7     |
| 24 | *CHARLES M. HENRY ET UX                                | 4-11A/8     |
| 25 | *HARRY F. ROUSH  | 4-11/4      |
| 26 | JONATHAN Z. & CARLA L. GARRISON                        | 4-11A/35    |
| 27 | JONATHAN Z. & CARLA L. GARRISON                        | 4-11A/36    |
| 28 | VIRGINIA L. CROW                                       | 4-11A/37    |
| 29 | MANUFACTURERS LIGHT & HEAT                             | 9-1/6       |
| 30 | MARGARET JUNE TRAYON - LIFE                            | 9-1/4       |
| 31 | *ROBERT L. TRAYON ET UX                                | 9-1/4.3     |
| 32 | CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT | 9-1/5       |
| 33 | CNX LAND RESOURCES INC                                 | 9-1/18      |
| 34 | ROBERT L. CLARK ET AL                                  | 9-1/12      |
| 35 | CNX LAND RESOURCES INC                                 | 9-1/13      |
| 36 | CNX LAND LLC   | 9-1/13.3    |
| 37 | MACK L. CROW   | 9-1/13.4    |
| 38 | MACK L. CROW   | 9-1/13.5    |
| 39 | MISTY D. & MACK L. CROW                                | 9-1/13.7    |
| 40 | GERALD E. LOGSDON ET UX                                | 9-1/13.6    |



12/24/2021

## THRASHER

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FEBRUARY 23, 2021

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