

BHL is located on topo map 2,608 feet south of Latitude: 39° 55' 00"
 SHL is located on topo map 3,788 feet south of Latitude: 39° 55' 00"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

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.



LINE	BEARING	DISTANCE
R1	S 07°03'53" W	212.60'
R2	S 26°33'40" W	221.14'
R3	S 71°42'43" W	195.94'
R4	S 34°51'33" W	822.06'
R5	S 05°51'50" W	1330.63'
R6	S 65°40'02" E	1388.96'

AS-DRILLED LOCATIONS UTM 17-MDB3(M)
SURFACE HOLE LOCATION (SHL) N:4417405.08 E:525708.36
APPROX LANDING POINT (LP) N:N/A E:N/A
BOTTOM HOLE LOCATION (BHL) N:4417766.84 E:526339.59

BHL is located on topo map 7,123 feet west of Longitude: 80° 40' 00"
 SHL is located on topo map 9,199 feet west of Longitude: 80° 40' 00"

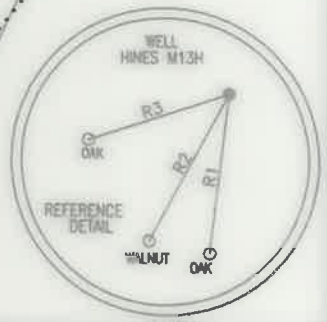
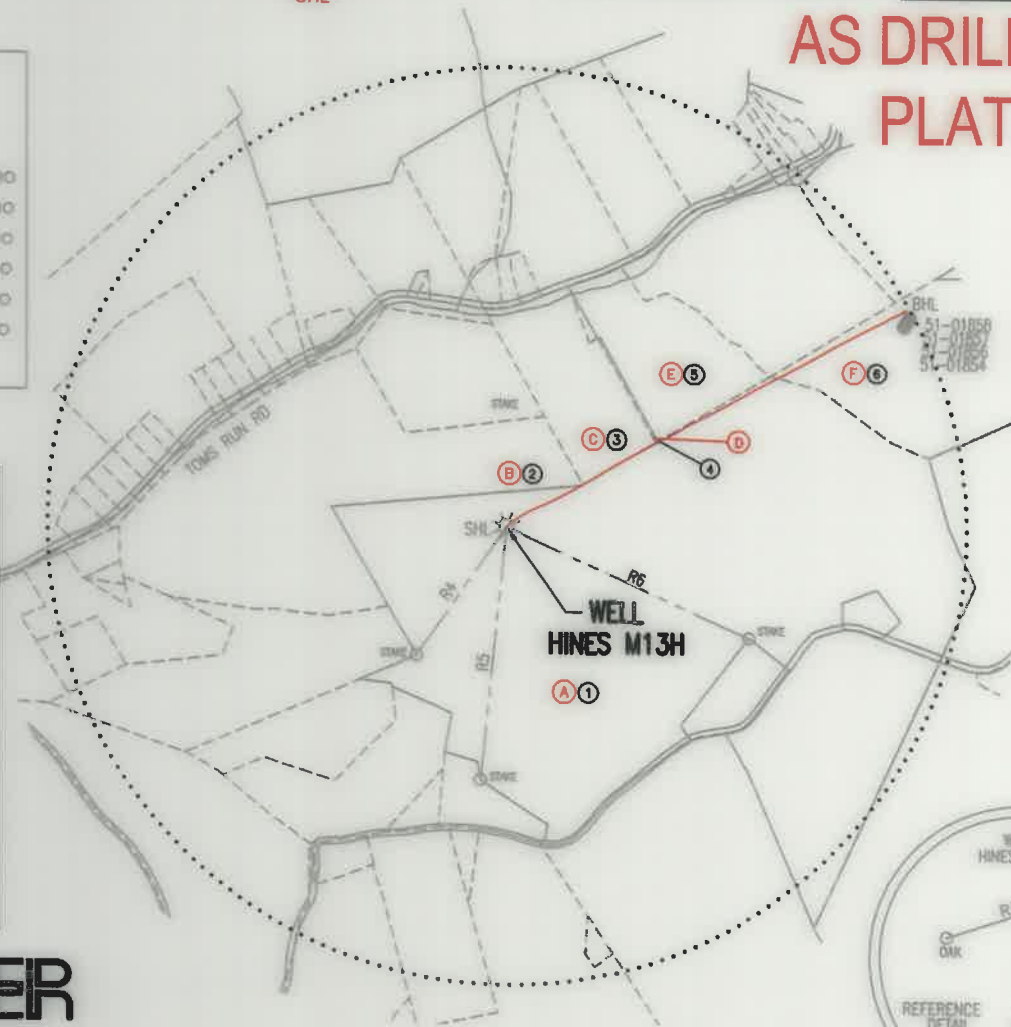
WELL PAD ORIENTATION DETAIL			
M01HO	M14HO	U01HO	U08HO
M02HO	M15HO	U09HO	U09HO
M03HO	M16HO	U10HO	U28HO
M04HO	M17HO	U11HO	U29HO
M05HO	M18HO	U12HO	U30HO
M06HO	M19HO	U13HO	U31HO
M07HO	M20HO	U14HO	U32HO
M08HO	M21HO	U15HO	U33HO
M09HO	M22HO	U16HO	U34HO
M10HO	M23HO	U17HO	U35HO
M11HO	M24HO	U18HO	U36HO
M12HO	M25HO	U19HO	U37HO
M13HO	M26HO	U20HO	U38HO
M14HO	M27HO	U21HO	U39HO
M15HO	M28HO	U22HO	U40HO
M16HO	M29HO	U23HO	U41HO
M17HO	M30HO	U24HO	U42HO
M18HO	M31HO	U25HO	U43HO
M19HO	M32HO	U26HO	U44HO
M20HO	M33HO	U27HO	U45HO
M21HO	M34HO	U28HO	U46HO
M22HO	M35HO	U29HO	U47HO
M23HO	M36HO	U30HO	U48HO
M24HO	M37HO	U31HO	U49HO
M25HO	M38HO	U32HO	U50HO
M26HO	M39HO	U33HO	U51HO
M27HO	M40HO	U34HO	U52HO
M28HO	M41HO	U35HO	U53HO
M29HO	M42HO	U36HO	U54HO
M30HO	M43HO	U37HO	U55HO
M31HO	M44HO	U38HO	U56HO
M32HO	M45HO	U39HO	U57HO
M33HO	M46HO	U40HO	U58HO
M34HO	M47HO	U41HO	U59HO
M35HO	M48HO	U42HO	U60HO
M36HO	M49HO	U43HO	U61HO
M37HO	M50HO	U44HO	U62HO
M38HO	M51HO	U45HO	U63HO
M39HO	M52HO	U46HO	U64HO
M40HO	M53HO	U47HO	U65HO
M41HO	M54HO	U48HO	U66HO
M42HO	M55HO	U49HO	U67HO
M43HO	M56HO	U50HO	U68HO
M44HO	M57HO	U51HO	U69HO
M45HO	M58HO	U52HO	U70HO
M46HO	M59HO	U53HO	U71HO
M47HO	M60HO	U54HO	U72HO
M48HO	M61HO	U55HO	U73HO
M49HO	M62HO	U56HO	U74HO
M50HO	M63HO	U57HO	U75HO
M51HO	M64HO	U58HO	U76HO
M52HO	M65HO	U59HO	U77HO
M53HO	M66HO	U60HO	U78HO
M54HO	M67HO	U61HO	U79HO
M55HO	M68HO	U62HO	U80HO
M56HO	M69HO	U63HO	U81HO
M57HO	M70HO	U64HO	U82HO
M58HO	M71HO	U65HO	U83HO
M59HO	M72HO	U66HO	U84HO
M60HO	M73HO	U67HO	U85HO
M61HO	M74HO	U68HO	U86HO
M62HO	M75HO	U69HO	U87HO
M63HO	M76HO	U70HO	U88HO
M64HO	M77HO	U71HO	U89HO
M65HO	M78HO	U72HO	U90HO
M66HO	M79HO	U73HO	U91HO
M67HO	M80HO	U74HO	U92HO
M68HO	M81HO	U75HO	U93HO
M69HO	M82HO	U76HO	U94HO
M70HO	M83HO	U77HO	U95HO
M71HO	M84HO	U78HO	U96HO
M72HO	M85HO	U79HO	U97HO
M73HO	M86HO	U80HO	U98HO
M74HO	M87HO	U81HO	U99HO
M75HO	M88HO	U82HO	U100HO

LEGEND

- ☒ - TOPO MAP POINT
- ☼ - WELL
- - ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- ROAD
- STREAM CENTER LINE
- Ⓐ - LESSORS
- Ⓛ - SURFACE OWNERS
- AS-DRILLED

GAS WELLS

- - EXISTING WELLS
- ⊖ - PLUGGED WELLS



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

AS DRILLED PLAT

FILE #: HINES M13H - AS DRILLED
 DRAWING #: HINES M13H - AS DRILLED
 SCALE: 1" = 1000'
 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: DECEMBER 13, 2021
 OPERATOR'S WELL #: HINES M13H - AS DRILLED
 API WELL #: 47 51 2158
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1125.45'

COUNTY/DISTRICT: MARSHALL / WASHINGTON QUADRANGLE: MOUNDSVILLE, WV 7.5'

SURFACE OWNER: DONALD HINES ET UX ACREAGE: 114.934±

OIL & GAS ROYALTY OWNER: DONALD HINES ET UX ACREAGE: 260.83± 05/27/2022

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: 5,551'± TMD: 6,390'±

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

HINES M13H

PAGE 2 OF 2

AS DRILLED PLAT

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2*	ARNIE N. GOODNIGHT ET UX	14-12/25
3*	EDWARD DAVID KNUTH ET UX	14-12/27
4*	EDWARD DAVID & KATHY JO KNUTH	14-12/28.1
5*	TOBIAS G. & JESSICA D. BROWN	14-12/28
6		

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX	14-12/30
B	LYNN ELLEN COOK	14-12/25
	WILLIAM F. RULONG	
	CHARLES BURTON RULONG	
	GARY MORRISON	
	ELIZABETH Y. MORRISON	
	ROGER GLEN RULONG	
	TRUSTEES LIMESTONE PRESBYTERIAN CHURCH	
	CLYDE DOWLER ET UX	
	DRU ELLA FOX	
	LAURA J. REYES	
	DALE FRANCIS FURBEE	
	HAROLD DEAN FURBEE	
	JOHN T. MORRIS	
	ETHEL M. RULONG	
	RICHARD J. RULONG	
	ROBERT L. RULONG	
	TERRY LEE RULONG	
	TRACEY LYNN RULONG	
C	EULALIA MAE SIMMONS	14-12/27
D	EULALIA MAE SIMMONS	14-12/28.1
E	EULALIA MAE SIMMONS	14-12/28
F		

AS-DRILLED LOCATIONS UTM 17-NAD83(M)	
SURFACE HOLE LOCATION (SHL)	
N:4417405.08	E:525708.36
APPROX LANDING POINT (LP)	
N:N/A	E:N/A
BOTTOM HOLE LOCATION (BHL)	
N:4417766.84	E:526339.59

05/27/2022

* -- DENOTES PARCEL WITHIN 30 FEET OF WELL BORE

THRASHER

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DECEMBER 13, 2021