

BHL is located on topo map 15,065 feet south of Latitude: 39° 57' 30"  
 SHL is located on topo map 3,808 feet south of Latitude: 39° 55' 00"

**SEE PAGE 2-4 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.

**LEGEND**

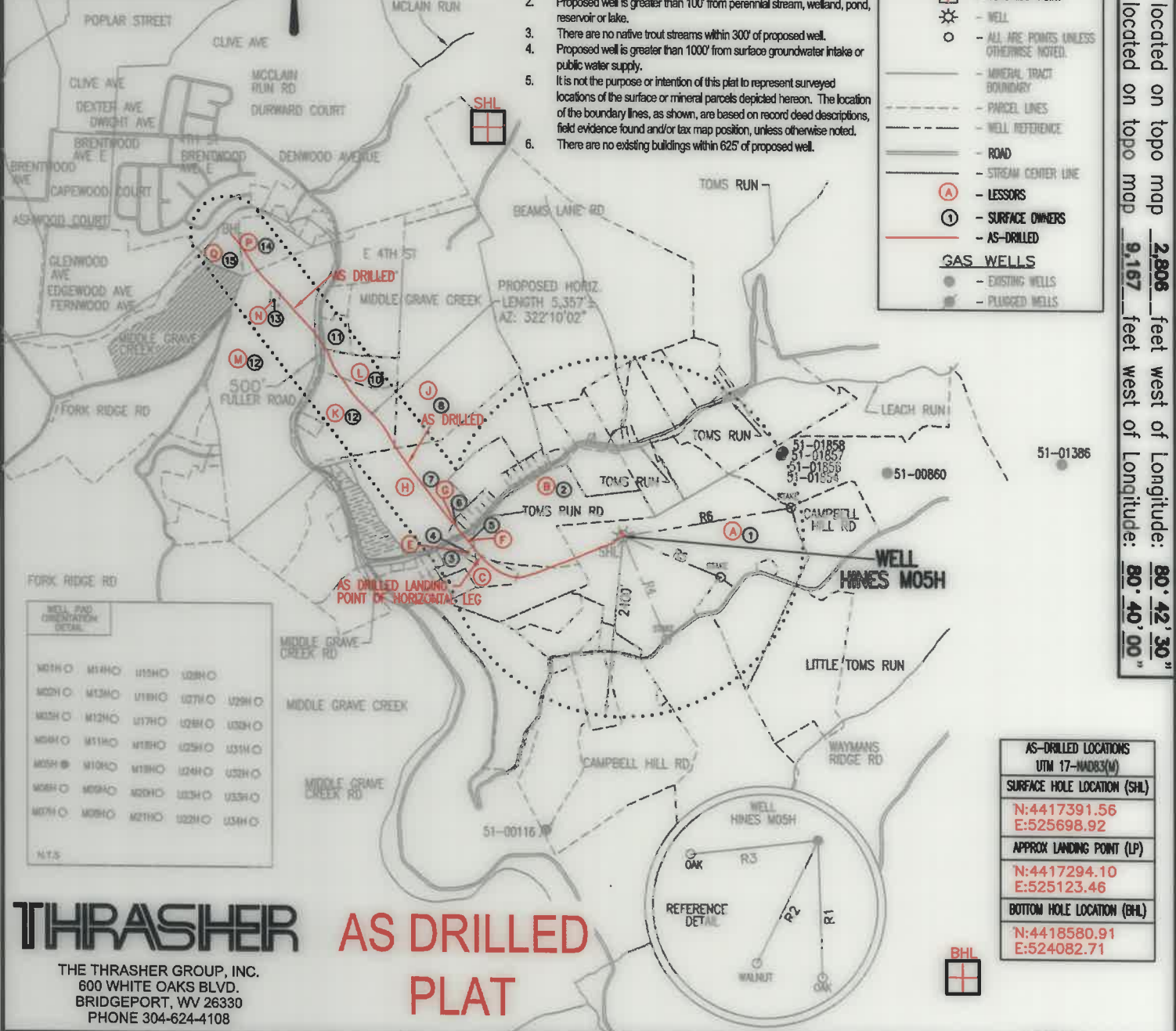
- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- AS-DRILLED

**GAS WELLS**

- EXISTING WELLS
- PLUGGED WELLS

BHL is located on topo map 2,808 feet west of Longitude: 80° 42' 30"  
 SHL is located on topo map 9,167 feet west of Longitude: 80° 40' 00"

LINE	BEARING	DISTANCE
R1	S 01°54'44" E	167.21'
R2	S 26°12'11" W	167.58'
R3	S 63°29'08" W	155.32'
R4	S 22°43'43" E	1489.47'
R5	S 67°48'53" E	1401.36'
R6	N 79°36'39" E	2273.41'



WELL PAD ORIENTATION DETAIL

M01H-O	M11H-O	U15H-O	U28H-O
M02H-O	M13H-O	U18H-O	U27H-O
M03H-O	M12H-O	U17H-O	U26H-O
M04H-O	M11H-O	U16H-O	U25H-O
M05H-O	M10H-O	U15H-O	U24H-O
M06H-O	M09H-O	U14H-O	U23H-O
M07H-O	M08H-O	U13H-O	U22H-O
M08H-O	M07H-O	U12H-O	U21H-O
M09H-O	M06H-O	U11H-O	U20H-O
M10H-O	M05H-O	U10H-O	U19H-O
M11H-O	M04H-O	U09H-O	U18H-O
M12H-O	M03H-O	U08H-O	U17H-O
M13H-O	M02H-O	U07H-O	U16H-O
M14H-O	M01H-O	U06H-O	U15H-O

N.T.S.

AS-DRILLED LOCATIONS  
 UTM 17-MADE3(M)

SURFACE HOLE LOCATION (SHL)  
 N:4417391.56  
 E:525698.92

APPROX LANDING POINT (LP)  
 N:4417294.10  
 E:525123.46

BOTTOM HOLE LOCATION (BHL)  
 N:4418580.91  
 E:524082.71

**THRASHER AS DRILLED PLAT**

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

FILE #: HINES M05H - AS DRILLED  
 DRAWING #: HINES M05H - 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: DECEMBER 13, 2021  
 OPERATOR'S WELL #: HINES M05H - AS DRILLED  
 API WELL #: 47 51 01927  
 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: 470.285± **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: 6,242'± TMD: 12,474'±  
 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 M05H PAGE 2 OF 4 AS DRILLED

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX.	14-12/30
2	ARNIE N. GOODNIGHT ET UX.	14-12/25
3	OSCAR JACKSON GOODNIGHT	14-12/67
4	MARVIN GOODNIGHT ET UX.	14-12/67.7
5	MARVIN GOODNIGHT ET UX.	14-12/67.3
6	HARRY THOMAS ET UX.	14-12A/1
7	CHARLES R. HALL EST	14-12/24
8	ALAN N. CROW ET AL.	14-9/48
9	JOHN W. RUCKMAN ET UX.	14-9/49.1
10	GEORGE R. MASON ET UX.	14-9/49.2
11	HILLVIEW LIMITED PARTNERSHIP	14-9/49.3
12	MARSHALL CO. ACTIVITIES DEVELOPMENT	4-3/46
13	MARSHALL CO. DAY CARE & CHILD	4-3/46.2
14	MARSHALL CO. ACTIVITIES DEVELOPMENT	4-3/46.1
15	W VA FARM MANAGEMENT COMM.	4-3/28.1

\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

AS-DRILLED LOCATIONS UTM 17-WAD83(M)
SURFACE HOLE LOCATION (SHL)
N:4417391.56 E:525698.92
APPROX LANDING POINT (LP)
N:4417294.10 E:525123.46
BOTTOM HOLE LOCATION (BHL)
N:4418580.91 E:524082.71

05/27/2022

## THRASHER

THE THRASHER GROUP, INC.  
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BRIDGEPORT, WV 26330  
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**DECEMBER 13, 2021**



# HINES M05H PAGE 3 OF 4 AS DRILLED

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX	14-12/30
B	WILLIAM F. RULONG	14-12/25
	CHARLES BURTON RULONG	
	ROGER GLEN RULONG	
	TRUSTEES LIMESTONE PRESBYTERIAN CHURCH	
	CLYDE DOWLER ET UX	
	GARY MORRISON	
	ELIZABETH Y. MORRISON	
	LAURA J. REYES	
	ROBERT L. RULONG	
	DALE FRANCIS FURBEE	
	HAROLD DEAN FURBEE	
	JOHN T. MORRIS	
	DRU ELLA FOX	
	LYNN ELLEN COOK	
	ETHEL M. RULONG	
	TERRY LEE RULONG	
	RICHARD J. RULONG	
	TRACEY LYNN RULONG	
C	OSCAR JACKSON GOODNIGHT ET UX	14-12/67
D	OMITTED	
E	MARVIN GOODNIGHT ET UX	14-12/67.7
F	MARVIN GOODNIGHT ET UX	14-12/67.3
G	HARRY THOMAS ET UX	14-12A/1
	CECIL R. LIGHTNER	
	MELANIE J. YOUNG	
	APRIL DAWN WELLS	
	HARVEY LEE WELLS JR.	
	LONNIE V. BLAKE	
	IVAN L. WELLMAN ET UX	
	ROBERT K. BLAKE ET UX	
	TIMOTHY L. CURRY ET UX	
	ELMER Z. WELLMAN ET UX	
	CHARLES L. BLAKE ET UX	
	TAMRA C. MORGAN	
	GARREN D. WELLMAN	
	MARTHA E. DICKERHOOF	
	SHIRLEY PONDER	
	EARLE VINCENT BLAKE - SPL COM DAVID C. WHITE	
	RACHEL EARNEST	
	STEVEN D. WELLS	
	DENISE A. WELLS	
	NANCY GREATHOUSE	
	GREGORY A. PFAUS	
	ANDREW PFAUS	
	CATHERINE A. GUSTIN	
	MATHEW PFAUS	
	MELISSA S. PRICE	
	CHANTEE M. DANCIC	
	ROBERT JOHN MCCLELLAN	
	MELISSA A. WAGGONER	
	KIMBERLY R. FRANKENFIELD	
	DARLA THURMAN	
	DARCY MICHAELS	
	DEBORAH ELDER	
	MARY WIDDER	
	RANDALL W. DENNIS	
	KAY WATSON	
	DONALD MCCLELLAND	
	GEORGE MCCLELLAN JR.	
	DONNA DAVIS	
	DIANA LOUISE MCKINNEY	
	DIANE MINCKS	
	WAYNE KENNETH MCCLELLAN	
	BEULAH J. CURRY	
	DONALD E. GEARHART	
	DENISE K. PETREE	
	AARON CURRY	
	KIMBERLY PAULA VARNER	
	GEOFFREY A. ROWLANDS	
	RALPH E. WELLMAN ET AL	
	CANDICE J. CASTLE	
	JASON M. SANDOR	
	JAMES M. SANDOR JR.	
	JENNIFER JORDAN	
	ANDREW W. FLOYD	
	LINDA HAYS	
	KEVIN L. ROWLANDS	
	THOMAS MAZZAFERRO	
	RONALD MAZZAFERRO	
	SANDRA TRESSLER	
	JOHN T. WELLMAN	
	MELANY L. WASKO	
	ROBERT L. WELLMAN	
	LORREN ROGERS	

	LESSOR	DIST-TM/PAR
	MARK D. WELLMAN	
	THERESA B. WORKMAN	
	JAMES R. BLAKE	
	RANDY SEIBERT	
	TERRY SEIBERT	
	SHEREE SINCLAIR	
	STEVE RICE	
	BETH GODFREY	
	JAMES E. RICE	
	STEVEN DALE PIERSON	
H	CECIL R. LIGHTNER	14-12/24
	DALE HALL	
	DENISE SCAMEHORN	
	DAVID HALL	
	DONNA HOLLIDAY	
	MELANIE J. YOUNG	
	APRIL DAWN WELLS	
	HARVEY LEE WELLS JR.	
	LONNIE V. BLAKE	
	IVAN L. WELLMAN ET UX	
	ROBERT K. BLAKE ET UX	
	TIMOTHY L. CURRY ET UX	
	ELMER Z. WELLMAN ET UX	
	CHARLES L. BLAKE ET UX	
	TAMRA C. MORGAN	
	GARREN D. WELLMAN	
	MARTHA E. DICKERHOOF	
	SHIRLEY PONDER	
	EARLE VINCENT BLAKE - SPL COM DAVID C. WHITE	
	RACHEL EARNEST	
	STEVEN D. WELLS	
	DENISE A. WELLS	
	NANCY GREATHOUSE	
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	ROBERT JOHN MCCLELLAN	
	MELISSA A. WAGGONER	
	KIMBERLY R. FRANKENFIELD	
	DARLA THURMAN	
	DARCY MICHAELS	
	DEBORAH ELDER	
	MARY WIDDER	
	RANDALL W. DENNIS	
	KAY WATSON	
	DONALD MCCLELLAND	
	GEORGE MCCLELLAN JR.	
	DONNA DAVIS	
	DIANA LOUISE MCKINNEY	
	DIANE MINCKS	
	WAYNE KENNETH MCCLELLAN	
	BEULAH J. CURRY	
	DONALD E. GEARHART	
	DENISE K. PETREE	
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	KIMBERLY PAULA VARNER	
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	LINDA HAYS	
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	RONALD MAZZAFERRO	
	SANDRA TRESSLER	
	JOHN T. WELLMAN	
	MELANY L. WASKO	
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	THERESA B. WORKMAN	
	JAMES R. BLAKE	
	RANDY SEIBERT	
	TERRY SEIBERT	
	SHEREE SINCLAIR	
	STEVE RICE	
	BETH GODFREY	
	JAMES E. RICE	
	STEVEN DALE PIERSON	

05/27/2022



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\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

**DECEMBER 13, 2021**

# HINES M05H PAGE 4 OF 4 AS DRILLED

	LESSOR	DIST-TM/PAR		
J	ALAN NEIL CROW	14-9/48		
	RUTH ANN CROW			
	MARY KATHRYN NEEHOUSE			
K	JOHN W. RUCKMAN ET UX	14-9/49.1		
L	GEORGE R. MASON ET UX	14-9/49.2		
M	RAYMOND W. WOODS	4-3/46		
	BONNIE D. ANDERSON			
	RICHARD W. WOODS			
	WILLIAM L. MAXWELL			
	BARBARA A. MCINALLY			
	WILLIAM J. MINES			
	BEVERLY K. TIEMAN			
	STEPHEN LESLIE MAXWELL			
	CAROLYN K. GABROVSEK			
	ROBERT KOESTERS			
	ROBERT L. MINES JR.			
	RETTA JANE WAYNE			
	GARY KOESTERS			
	ANNALEE BERNARD			
	MICHAEL JOSEPH KOESTERS			
	CYNTHIA KURTZ			
	CHARLES RICHARD KOESTERS			
	FREDRICK M. YEATER			
	LOIS W. DOWLER AIF DAVID B. DOWLER			
	ERIC W. BROWN			
	DAVID J. MAXWELL			
	HOLLIS ZULICK			
	LESLIE M. ZIRINGER			
	MELISSA ELAIN SCHROTH			
	HENRY M. HUPP			
	HARRY L. MAXWELL AIF BRIAN L. MAXWELL			
	CLARENCE R. BROWN			
	MARY A. MORGAN			
	NILA ELAINE ROGERSON AIF GARY ROGERSON			
	JAMES H. MAXWELL			
	MARK DAVID HUNT			
	CHRISTOPHER M. BROWN			
	BEVERLY JOYCE ARMSTRONG			
	JEFFREY LYNN CELLARS			
	KEVIN MERLE BROWN			
	CHARLES EDWARD CELLARS			
	JD CELLARS			
	THOMAS WILLIAM CELLARS			
	DONALD WAYNE CELLARS			
	TERRY ALAN CELLARS			
	DEBORAH MAXWELL YARBROUGH			
	N		RAYMOND W. WOODS	4-3/46.2
			BONNIE D. ANDERSON	
			RICHARD W. WOODS	
			WILLIAM L. MAXWELL	
			BARBARA A. MCINALLY	
			WILLIAM J. MINES	
BEVERLY K. TIEMAN				
STEPHEN LESLIE MAXWELL				
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DONALD WAYNE CELLARS				
TERRY ALAN CELLARS				
DEBORAH MAXWELL YARBROUGH				

	LESSOR	DIST-TM/PAR		
P	RAYMOND W. WOODS	4-3/46.1		
	BONNIE D. ANDERSON			
	RICHARD W. WOODS			
	WILLIAM L. MAXWELL			
	BARBARA A. MCINALLY			
	WILLIAM J. MINES			
	BEVERLY K. TIEMAN			
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