

BHL is located on topo map 11,558 feet south of Latitude: 39°57'30"
 SHL is located on topo map 3,761 feet south of Latitude: 39°55'00"

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 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.
- There are no existing buildings within 625' of proposed well.

SEE PAGE 2-4 FOR SURFACE OWNERS AND LESSORS

SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4417405.29
 E:525699.22
 NAD83, WV NORTH
 N:514482.030
 E:1632056.330

APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4417405.29
 E:525899.35
 NAD83, WV NORTH
 N:515973.790
 E:1632738.170

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4419650.45
 E:524455.95
 NAD83, WV NORTH
 N:521917.750
 E:1628099.700

LINE	BEARING	DISTANCE
R1	S 01°02'04" E	212.20'
R2	S 21°11'18" W	209.57'
R3	S 68°07'25" W	168.17'
R4	N 76°57'39" E	2082.14'
R5	N 89°40'46" E	2337.80'
R6	S 66°06'07" E	1417.39'

WELL PAD ORIENTATION DETAIL

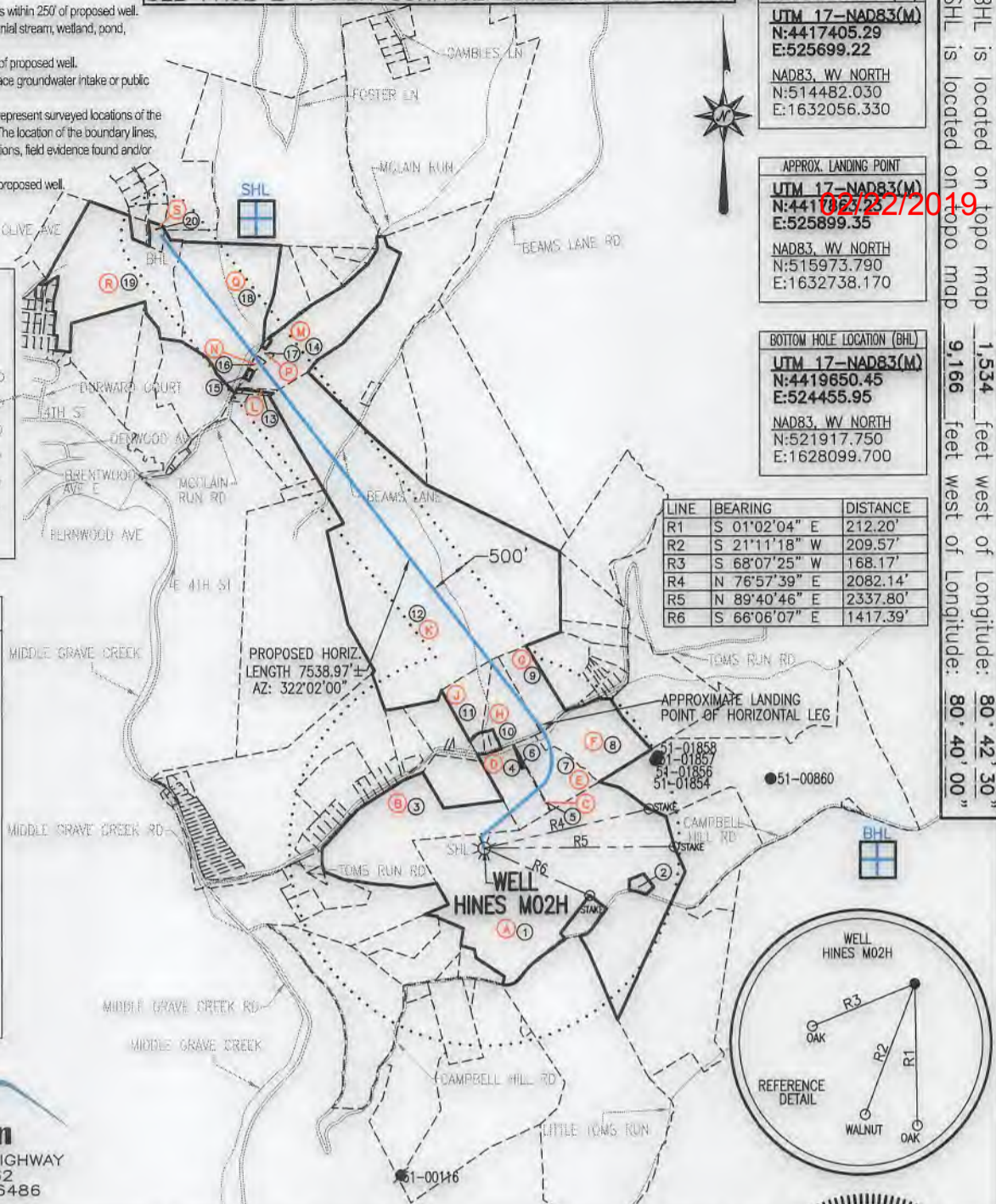
M01HO	M14HO	M15HO	M24HO
M02H	M13HO	M18HO	M25HO
M03HO	M12HO	M17HO	M26HO
M04HO	M11HO	M16HO	M27HO
M05HO	M10HO	M15HO	M28HO
M06HO	M09HO	M14HO	M29HO
M07HO	M08HO	M13HO	M30HO

N.T.S.

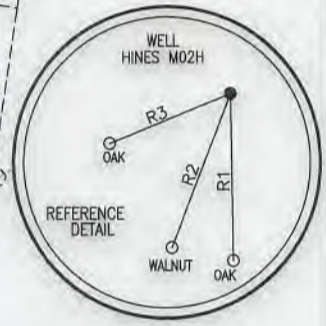
LEGEND

- TOP 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

Blue Mountain
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486



BHL is located on topo map 1,534 feet west of Longitude: 80°42'30"
 SHL is located on topo map 9,166 feet west of Longitude: 80°40'00"



FILE #: HINES M02H
 DRAWING #: HINES M02H
 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: George D. Six
 R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: OCTOBER 22, 2018
 OPERATOR'S WELL #: HINES M02H
 API WELL #: 47 51 02156
 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: 477.566±
 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: 6,262± TMD: 14,717.70±
 WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600
 City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

HINES M02H PAGE 2 OF 4

02/22/2019

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	TERRY L. DERROW ET UX	14-12/30.3
3	ARNIE N. GOODNIGHT ET UX	14-12/25
4	EDWARD DAVID KNUTH ET UX	14-12/27
5	EDWARD DAVID & KATHY JO KNUTH	14-12/28.1
6	TOBIAS G. & JESSICA D. BROWN	14-12/27.1
7	TOBIAS G. & JESSICA D. BROWN	14-12/28
8	JODI LYNN & TERRY A. HARDING	14-12/29
9	RUSTY WADE	14-9/42
10	OLIVER FAMILY TRUST	14-9/44
11	BRYAN D. COREY	14-9/44.2
12	ALAN N. CROW ET AL	14-9/47
13	*JOSEPH L. GODDARD	14-9/11
14	JOSEPH L. GODDARD	14-9/15
15	EVERETT STANLEY WELLS	14-9/12
16	FRANK STANLEY WELLS	14-9/13
17	*RANDY EVERETT WELLS ET AL	14-9/13.1
18	WILLIAM B. & DOTTIE M. BEE	14-9/9
19	CARLA PAULINE SLOCUM	14-8/40
20	KEITH D. & SANDRA S. CUMPSTON	14-8/40.3

	LESSOR
L	JOHN D. WELLS
	ROY WELLS
	CLARENCE WELLS
	MARY MARGARET WADE
	CHARLOTTE WILLIAMSON
	EDWARD L. CONLEY
	DOROTHY V. RITER
	JAMES D. CONLEY
	ELBUR LEE WELLS
	SIDNEY F. BAKER
	ROBIN DOYLE
	HARRY EUGENE MOWDER
	JOYCE A. TSORAS
	MABEL ARNETTA WELLS BY AIF FRANK WELLS
	HOWARD LEE WELLS
	NANCY L. JONES
	TERRY L. MOWDER
	KENNETH E. WELLS
	KIMBERLY D. HOSTUTLER
	KEELY D. BAKER
	BRIDGETTE Y. TURNER
	LARRY JEFFREY WELLS
	BRIAN TIMOTHY WELLS
	REBECCA J. KOVALCHIK
	SHIRLEY POGORZELSKI
	GREG BIETH
	JULIE CARTWRIGHT
	DALE JONES
	JENNIFER KELLER
	BARRY F. LARSON ET UX
	TANYA BIETH
	ALYN BRENT CHAMBERLAIN
	ERIC CHAMBERLAIN
	BRAD CHAMBERLAIN
	WILBERT W. RYAN, JR.
	KATHRYN GAIL WOOD
	MARY F. WASZKIEWICZ
	TODD CHAMBERLAIN
	LINDA LOUISE SPERLING
	GEORGE W. SETTLES
	BARBARA ANN WELLS
	PAUL C. NIX
	FIRST UNITED METHODIST CHURCH OF ORLANDO
	GREALDINE PLOWDEN
	JOYCE K. LARSON
	DIXIE UNITED METHODIST CHURCH
	BISHOP GRAY RETIREMENT FOUNDATION
	ALBERTA RYAN
	FL UNITED METHODIST CHILDRENS HOME INC.
	EMMANUEL EPISCOPAL CHURCH
	EDGEWOOD CHILDRENS RANCH INC.
	SHIRLEY WEAVER
	THOMAS R. MOWDER
	JOHN W. MOWDER
	NANCY MOWDER

	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	
	LIMESTONE PRESBYTERIAN CHURCH TRUSTEES	
	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	JODI LYNN HARDING ET VIR	14-12/29
G	ROBERT RUSSELL WADE	14-9/42
H	GERALD OLIVER ET UX	14-9/44
J	LEONARD LUCAS ET UX	14-9/44.2
K	RICHARD F. VARGO ET UX	14-9/47
	RUTH ANN CROW	
	MARY KATHRYN NEEHOUSE	

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* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

HINES

M02H

PAGE 3 OF 4

02/22/2019

	LESSOR	DIST-TM/PAR
M	JOHN D. WELLS	14-9/15
	ROY WELLS	
	CLARENCE WELLS	
	MARY MARGARET WADE	
	CHARLOTTE WILLIAMSON	
	EDWARD L. CONLEY	
	DOROTHY V. RITER	
	JAMES D. CONLEY	
	ELBUR LEE WELLS	
	SIDNEY F. BAKER	
	ROBIN DOYLE	
	HARRY EUGENE MOWDER	
	JOYCE A. TSORAS	
	MABEL ARNETTA WELLS BY AIF FRANK WELLS	
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	NANCY L. JONES	
	TERRY L. MOWDER	
	KENNETH E. WELLS	
	KIMBERLY D. HOSTUTLER	
	KEELY D. BAKER	
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	LARRY JEFFREY WELLS	
	BRIAN TIMOTHY WELLS	
	REBECCA J. KOVALCHIK	
	SHIRLEY POGORZELSKI	
	GREG BIETH	
	JULIE CARTWRIGHT	
	DALE JONES	
	JENNIFER KELLER	
	BARRY F. LARSON ET UX	
	TANYA BIETH	
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	RYAN ALBERTA	
	FL UNITED METHODIST CHILDRENS HOME INC.	
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	SHIRLEY WEAVER	
	THOMAS R. MOWDER	
	JOHN W. MOWDER	
	NANCY MOWDER	

	LESSOR	DIST-TM/PAR
N	JOHN D. WELLS	14-9/13
	ROY WELLS	
	CLARENCE WELLS	
	MARY MARGARET WADE	
	CHARLOTTE WILLIAMSON	
	EDWARD L. CONLEY	
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* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

HINES

M02H

PAGE 4 OF 4

02/22/2019

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	ROY WELLS	
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	CHARLOTTE WILLIAMSON	
	EDWARD L. CONLEY	
	DOROTHY V. RITER	
	JAMES D. CONLEY	
	ELBUR LEE WELLS	
	SIDNEY F. BAKER	
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	SHIRLEY WEAVER	
	THOMAS R. MOWDER	
	JOHN W. MOWDER	
	NANCY MOWDER	

	LESSOR	DIST-TM/PAR
Q	GREGORY W. SATLER ET UX	14-9/9
	GREG BIETH	
	JULIE CARTWRIGHT	
	DALE JONES	
	JENNIFER KELLER	
	BARRY F. LARSON ET UX	
	TANYA BIETH	
	ALYN BRENT CHAMBERLAIN	
	ERIC CHAMBERLAIN	
	BRAD CHAMBERLAIN	
	TODD CHAMBERLAIN	
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	BISHOP GRAY RETIREMENT FOUNDATION	
	EMMANUEL EPISCOPAL CHURCH	
	EDGEWOOD CHILDRENS RANCH INC.	
R	GUMP FLOYD E ET UX	14-8/40
S	GUMP FLOYD E ET UX	14-8/40.3

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