

BHL is located on topo map 11,478 feet south of Latitude: 39° 57' 30"
 SHL is located on topo map 3,746 feet south of Latitude: 39° 55' 00"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

WELL PAD ORIENTATION DETAIL

M01H	M14H	U15H	U28H
M02H	M13H	U16H	U27H
M03H	M12H	U17H	U26H
M04H	M11H	U18H	U25H
M05H	M10H	U19H	U24H
M06H	M09H	U20H	U23H
M07H	M08H	U21H	U22H

N.T.S.

LINE	BEARING	DISTANCE
R1	S 00°49'04" E	227.18'
R2	S 19°56'29" W	223.81'
R3	S 63°37'54" W	174.84'
R4	N 77°21'39" E	2078.26'
R5	S 89°57'09" E	2337.22'
R6	S 65°32'24" E	1423.04'

SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4417409.86
 E:525699.32
 NAD83, WV NORTH
 N:514497.020
 E:1632056.920

APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:441736.82
 E:525746.09
 NAD83, WV NORTH
 N:515567.350
 E:1632228.310

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4419673.69
 E:524154.04
 NAD83, WV NORTH
 N:522010.590
 E:1627110.260

BHL is located on topo map 2,524 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 9,166 feet west of Longitude: 80° 40' 00"

LEGEND

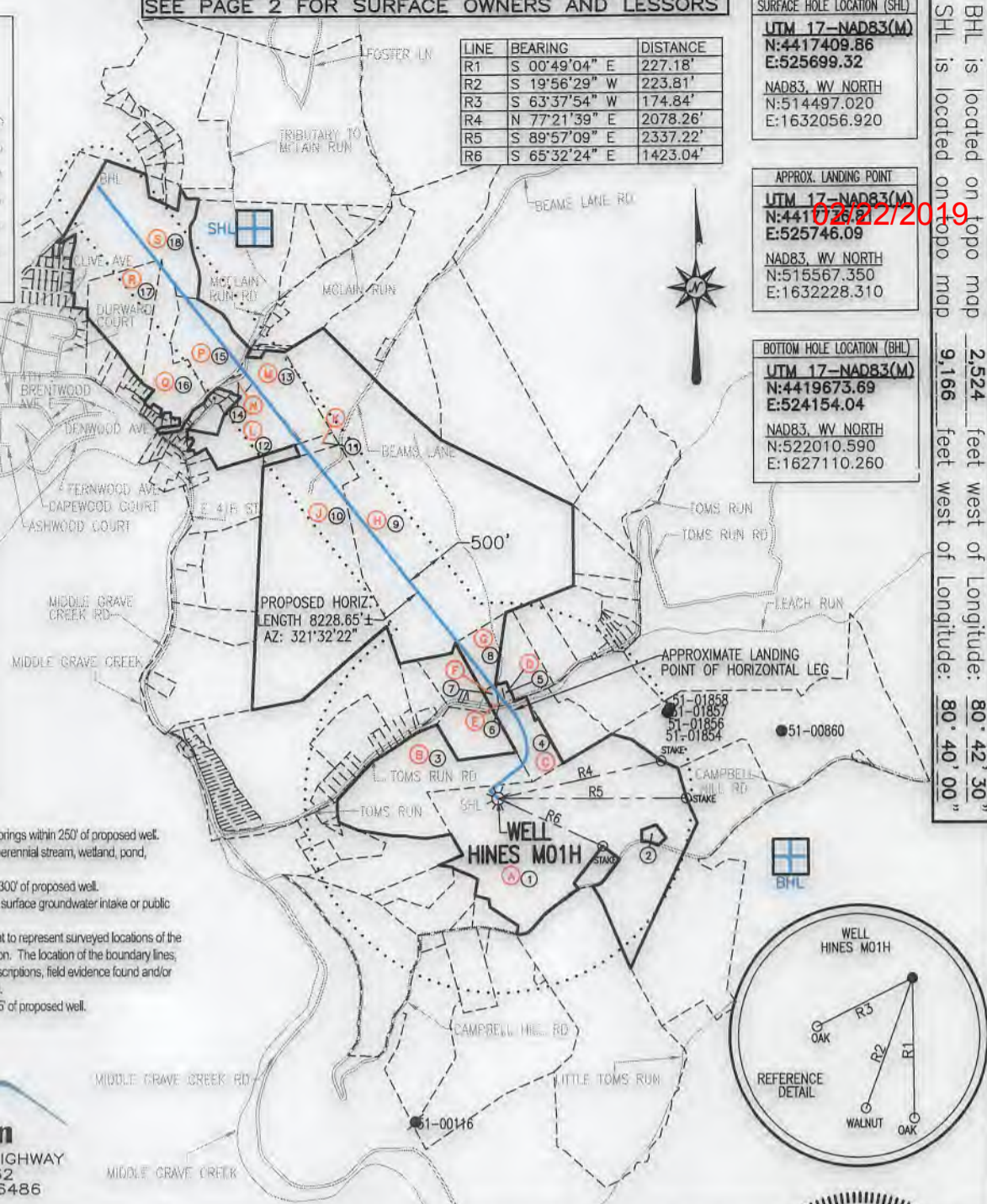
- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS

- 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.

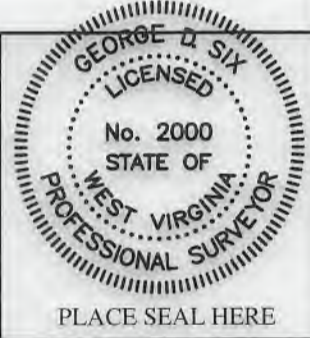
Blue Mountain
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486



FILE #: HINES M01H
 DRAWING #: HINES M01H
 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



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

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: 535.332±

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: 15,077.20'±
 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

DATE: OCTOBER 22, 2018
 OPERATOR'S WELL #: HINES M01H
 API WELL #: 47 51 02155
 STATE COUNTY PERMIT

HINES

M01H

PAGE 2 OF 2

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	DAVID EDWARD KNUTH ET UX	14-12/27
5	*BRUCE W. BAKER ET UX	14-9/44.4
6	ELMER GRANDSTAFF JR. EST	14-9/44.3
7	BOBBY G. BAKER ET UX	14-9/44.1
8	BRYAN D. COREY	14-9/44.2
9	ALAN N. CROW ET AL	14-9/47
10	ALAN N. CROW ET AL	14-9/48
11	ALAN N. CROW ET AL	14-9/52
12	KEVIN MICHAEL STEINMAN	14-9/54
13	NORMAN T. JACKSON JR.	14-9/53
14	*MICKEY GODDARD	14-9A2/29
15	KEVIN MICHAEL STEINMAN	14-9/9.1
16	JOS D. & NELLIE B. PARRIOTT	14-9/8
17	THOMAS L. WASEMANN ET UX	14-9/8.1
18	CARLA PAULINE SLOCUM	14-8/40

	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	*BRUCE W. BAKER ET UX	14-9/44.4
E	ELMER GRANDSTAFF, JR., ET UX	14-9/44.3
F	BOBBY G. BAKER ET UX	14-9/44.1
G	LEONARD LUCAS ET UX	14-9/44.2
H	RICHARD F. VARGO ET UX	14-9/47
	RUTH ANN CROW	
	MARY KATHRYN NEEHOUSE	
J	RICHARD F. VARGO ET UX	14-9/48
	RUTH ANN CROW	
	MARY KATHRYN NEEHOUSE	
K	RICHARD F. VARGO ET UX	14-9/52
	RUTH ANN CROW	
	MARY KATHRYN NEEHOUSE	
L	GREG BIETH	14-9/54
	JULIE CARTWRIGHT	
	DALE JONES	
	JENNIFER KELLER	
	BARRY F. LARSON ET UX	
	TANYA BIETH	
	ALYN BRENT CHAMBERLAIN	
	ERIC CHAMBERLAIN	
	BRAD CHAMBERLAIN	
	PAUL C. NIX	
	FIRST UNITED METHODIST CHURCH OF ORLANDO	
	GERALDINE PLOWDEN	
	JOYCE K. LARSON	
	DIXIE UNITED METHODIST CHURCH	
	BISHOP GRAY RETIREMENT FOUNDATION	
	FL UNITED METHODIST CHILDRENS HOME INC.	
	EMMANUEL EPISCOPAL CHURCH	
	EDGEWOOD CHILDRENS RANCH INC.	
	ERIC M. CHAMBERLAIN	
	TODD B. CHAMBERLAIN	
	BRAD CHAMBERLAIN	
	ALYN BRENT CHAMBERLAIN	
	JOSEPH PARRIOTT ET UX	

	LESSOR	DIST-TM/PAR
M	NORMAN T. JACKSON, JR.	14-9/53
	GREG BIETH	
	JULIE CARTWRIGHT	
	DALE JONES	
	JENNIFER KELLER	
	BARRY F. LARSON ET UX	
	TANYA BIETH	
	ALYN BRENT CHAMBERLAIN	
	ERIC CHAMBERLAIN	
	BRAD CHAMBERLAIN	
	TODD CHAMBERLAIN	
	PAUL C. NIX	
	FIRST UNITED METHODIST CHURCH OF ORLANDO	
	GERALDINE PLOWDEN	
	JOYCE K. LARSON	
	DIXIE UNITED METHODIST CHURCH	
	BISHOP GRAY RETIREMENT FOUNDATION	
	FL UNITED METHODIST CHILDRENS HOME INC.	
	EMMANUEL EPISCOPAL CHURCH	
	EDGEWOOD CHILDRENS RANCH INC.	
N	BRADLEY C. RINE	14-9A2/29
	GREG BIETH	
	JULIE CARTWRIGHT	
	DALE JONES	
	JENNIFER KELLER	
	BARRY F. LARSON ET UX	
	TANYA BIETH	
	ALYN BRENT CHAMBERLAIN	
	ERIC CHAMBERLAIN	
	BRAD CHAMBERLAIN	
	TODD CHAMBERLAIN	
	PAUL C. NIX	
	FIRST UNITED METHODIST CHURCH OF ORLANDO	
	GERALDINE PLOWDEN	
	JOYCE K. LARSON	
	DIXIE UNITED METHODIST CHURCH	
	BISHOP GRAY RETIREMENT FOUNDATION	
	FL UNITED METHODIST CHILDRENS HOME INC.	
	EMMANUEL EPISCOPAL CHURCH	
	EDGEWOOD CHILDRENS RANCH INC.	
P	GREG BIETH	14-9/9.1
	JULIE CARTWRIGHT	
	DALE JONES	
	JENNIFER KELLER	
	BARRY F. LARSON ET UX	
	TANYA BIETH	
	ALYN BRENT CHAMBERLAIN	
	ERIC CHAMBERLAIN	
	BRAD CHAMBERLAIN	
	TODD CHAMBERLAIN	
	PAUL C. NIX	
	FIRST UNITED METHODIST CHURCH OF ORLANDO	
	GERALDINE PLOWDEN	
	JOYCE K. LARSON	
	DIXIE UNITED METHODIST CHURCH	
	BISHOP GRAY RETIREMENT FOUNDATION	
	KEVIN M. STEINMAN	
	FL UNITED METHODIST CHILDRENS HOME INC.	
	EMMANUEL EPISCOPAL CHURCH	
	EDGEWOOD CHILDRENS RANCH INC.	
Q	JOSEPH PARRIOTT ET UX	14-9/8
R	JOSEPH PARRIOTT ET UX	14-9/8.1
S	FLOYD E. GUMP ET UX	14-8/40

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BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4419673.69 E:524154.04
NAD83, WV NORTH N:522010.590 E:1627110.260

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

OCTOBER 22, 2018