

BHL is located on topo map 9,959 feet south of Latitude: 39° 57' 30"
 SHL is located on topo map 3,762 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.

SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4417405.08
 E:525708.36
 NAD83, WV NORTH
 N:514480.850
 E:1632086.310

APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:441625272.019
 E:526292.97
 NAD83, WV NORTH
 N:516581.720
 E:1634040.370

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4420138.15
 E:524633.92
 NAD83, WV NORTH
 N:523508.400
 E:1628710.460

LINE	BEARING	DISTANCE
R1	S 07°03'53" W	212.60'
R2	S 28°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'

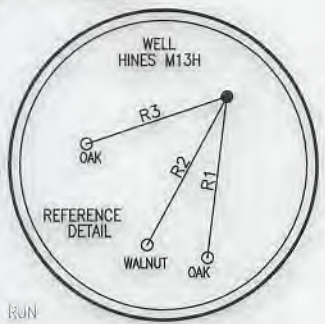
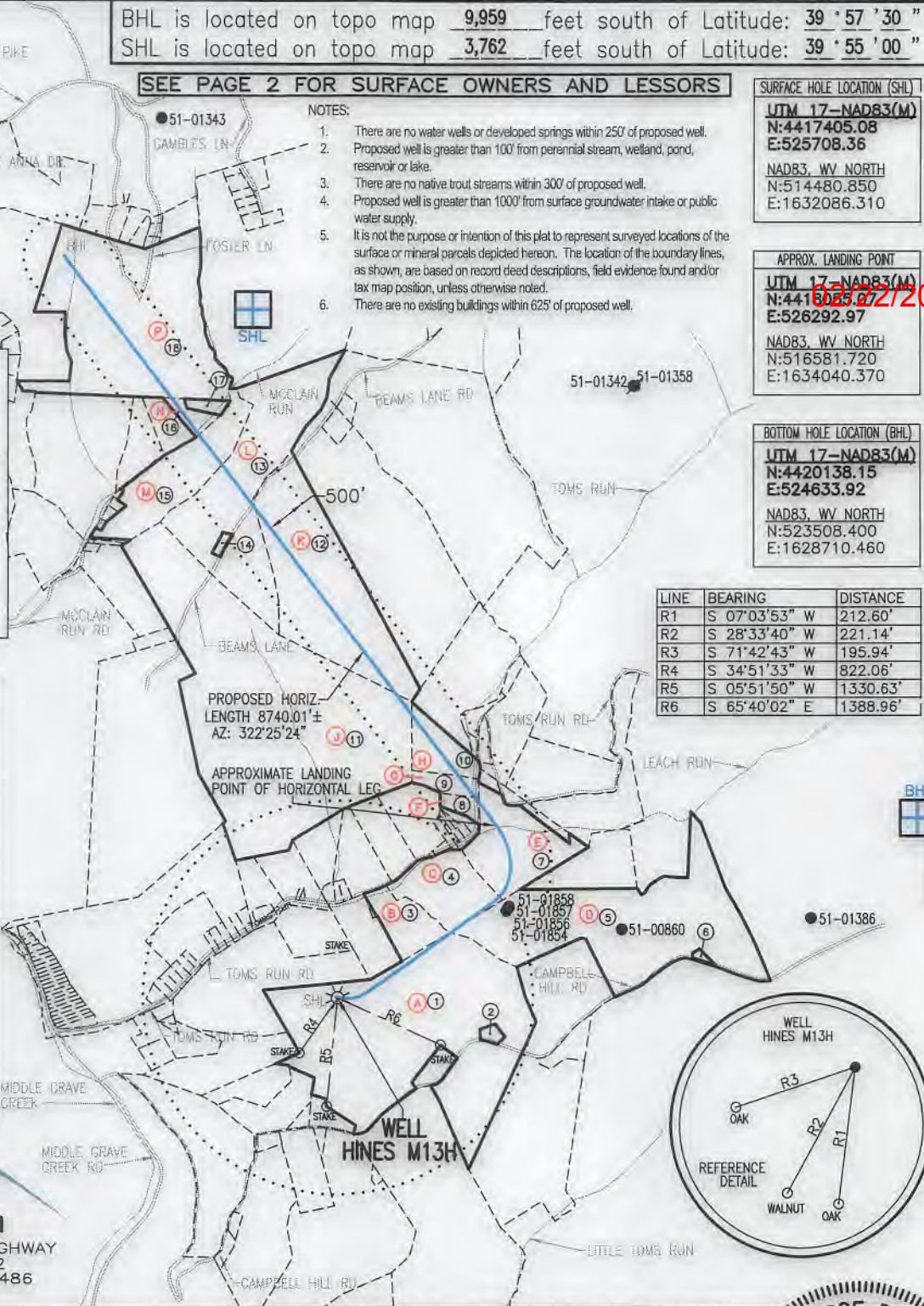
WELL PAD ORIENTATION DETAIL

M01HC	M13HC	G08HC	G28HC
M02HC	M13HC	B08HC	G27HC
M03HC	M13HC	A17HC	G26HC
M04HC	M13HC	M18HC	G25HC
M05HC	M13HC	M19HC	G24HC
M06HC	M13HC	M20HC	G23HC
M07HC	M08HC	M21HC	G22HC
M08HC	M09HC	M22HC	G21HC
M09HC	M10HC	M23HC	G20HC
M10HC	M11HC	M24HC	G19HC
M11HC	M12HC	M25HC	G18HC
M12HC	M13HC	M26HC	G17HC
M13HC	M14HC	M27HC	G16HC
M14HC	M15HC	M28HC	G15HC
M15HC	M16HC	M29HC	G14HC
M16HC	M17HC	M30HC	G13HC
M17HC	M18HC	M31HC	G12HC
M18HC	M19HC	M32HC	G11HC
M19HC	M20HC	M33HC	G10HC
M20HC	M21HC	M34HC	G09HC
M21HC	M22HC	M35HC	G08HC
M22HC	M23HC	M36HC	G07HC
M23HC	M24HC	M37HC	G06HC
M24HC	M25HC	M38HC	G05HC
M25HC	M26HC	M39HC	G04HC
M26HC	M27HC	M40HC	G03HC
M27HC	M28HC	M41HC	G02HC
M28HC	M29HC	M42HC	G01HC
M29HC	M30HC	M43HC	G00HC

N.T.S.

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



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

FILE #: HINES M13H
 DRAWING #: HINES M13H
 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



DATE: OCTOBER 22, 2018
 OPERATOR'S WELL #: HINES M13H
 API WELL #: 47 51 02158
 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: 645.593±

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: 16,780.17'±

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

BHL is located on topo map 944 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 9,136 feet west of Longitude: 80° 40' 00"

HINES

M13H

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	TOBIAS G. & JESSICA D. BROWN	14-12/28
4	JODI LYNN & TERRY A. HARDING	14-12/29
5	OKEY L. RINE JR.	14-11/1
6	STEVEN M. LAVENSKI	14-11/1.1
7	JEFFREY M. POLING	14-9/36
8	SAMUEL R. & ANGELA R. DERROW	14-9/39
9	SAMUEL R. DERROW ET UX	14-9/38.1
10	LARRY TODD & REBEKAH D. FURBEE	14-9/38
11	ALAN N. CROW ET AL	14-9/47
12	ALAN N. & BRENDA CROW	14-9/21.1
13	ALAN NEIL & BRENDA CROW	14-9/20
14	RICHARD N. & SHARON L. SWISHER	14-9/20.1
15	JOSEPH L. GODDARD	14-9/15
16	COLE MARTIN WELLS ET AL	14-9/18
17	TAMRA L. REYNOLDS	14-9/19
18	DAVID LEE WHITE ET UX	14-8/39

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX	14-12/30
B	EULALIA MAE SIMMONS	14-12/28
C	JODI LYNN HARDING ET VIR	14-12/29
D	OKEY L. RINE JR.	14-11/1
E	ROGER AND LINDA BRADY	14-9/36
F	THOMAS WILLIAM DOYEL ET UX	14-9/39
G	THOMAS W. DOYEL ET UX	14-9/38.1
H	THOMAS W. DOYEL ET UX	14-9/38
J	RICHARD F. VARGO ET UX	14-9/47
	RUTH ANN CROW	
	MARY KATHRYN NEEHOUSE	
K	ALAN AND BRENDA CROW	14-9/21.1
L	ALAN AND BRENDA CROW	14-9/20
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	
	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	

	LESSOR	DIST-TM/PAR
M	TODD CHAMBERLAIN	14-9/15
	LINDA LOUISE SPERLING	
	GEORGE W. SETTLES	
	BARBARA ANN WELLS	
	PAUL C. NIX	
	FIRST UNITED METHODIST CHURCH OF ORLANDO	
	GERALDINE 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	
N	BIETH GREG	14-9/18
	JULIE CARTWRIGHT	
	DALE JONES	
	JENNIFER KELLER	
	BARRY F. LARSON ET UX	
	TANYA BIETH	
	ALYN BRENT CHAMBERLAIN	
	ERIC CHAMBERLAIN	
	BRAD CHAMBERLAIN	
	DARLENE CREE	
	KENNETH J. BAIKO	
	RACHEL LACKMEYER	
	CHRIS LACKMEYER	
	JENNIFER HOWARD	
	STEVEN LACKMEYER	
	TODD CHAMBERLAIN	
	CRAIG WILLIAMSON	
	CHERYL L. GUBITOSI	
	PAUL C. NIX	
	FIRST UNITED METHODIST CHURCH OF ORLANDO	
	GERALDINE PLOWDEN	
	JOYCE K LARSON	
	DIXIE UNITED METHODIST CHURCH	
	BISHOP GRAY RETIREMENT FOUNDATION	
	CAROLYN S. BAIKO	
	FL UNITED METHODIST CHILDRENS HOME INC.	
	EMMANUEL EPISCOPAL CHURCH	
	EDGEWOOD CHILDRENS RANCH INC.	
P	DAVID AND GENELDA WHITE	14-8/39

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
N:4417405.08
E:525708.36
NAD83, WV NORTH
N:514480.850
E:1632086.310

APPROX. LANDING POINT
UTM 17-NAD83(M)
N:4418055.07
E:526292.97
NAD83, WV NORTH
N:516581.720
E:1634040.370

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4420138.15
E:524633.92
NAD83, WV NORTH
N:523508.400
E:1628710.460

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

OCTOBER 22, 2018