

BHL is located on topo map 12,392 feet south of Latitude: 39° 57' 30"
 SHL is located on topo map 3,776 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:4417400.72
 E:525699.12
 NAD83, WV NORTH
 N:514467.040
 E:1632055.740

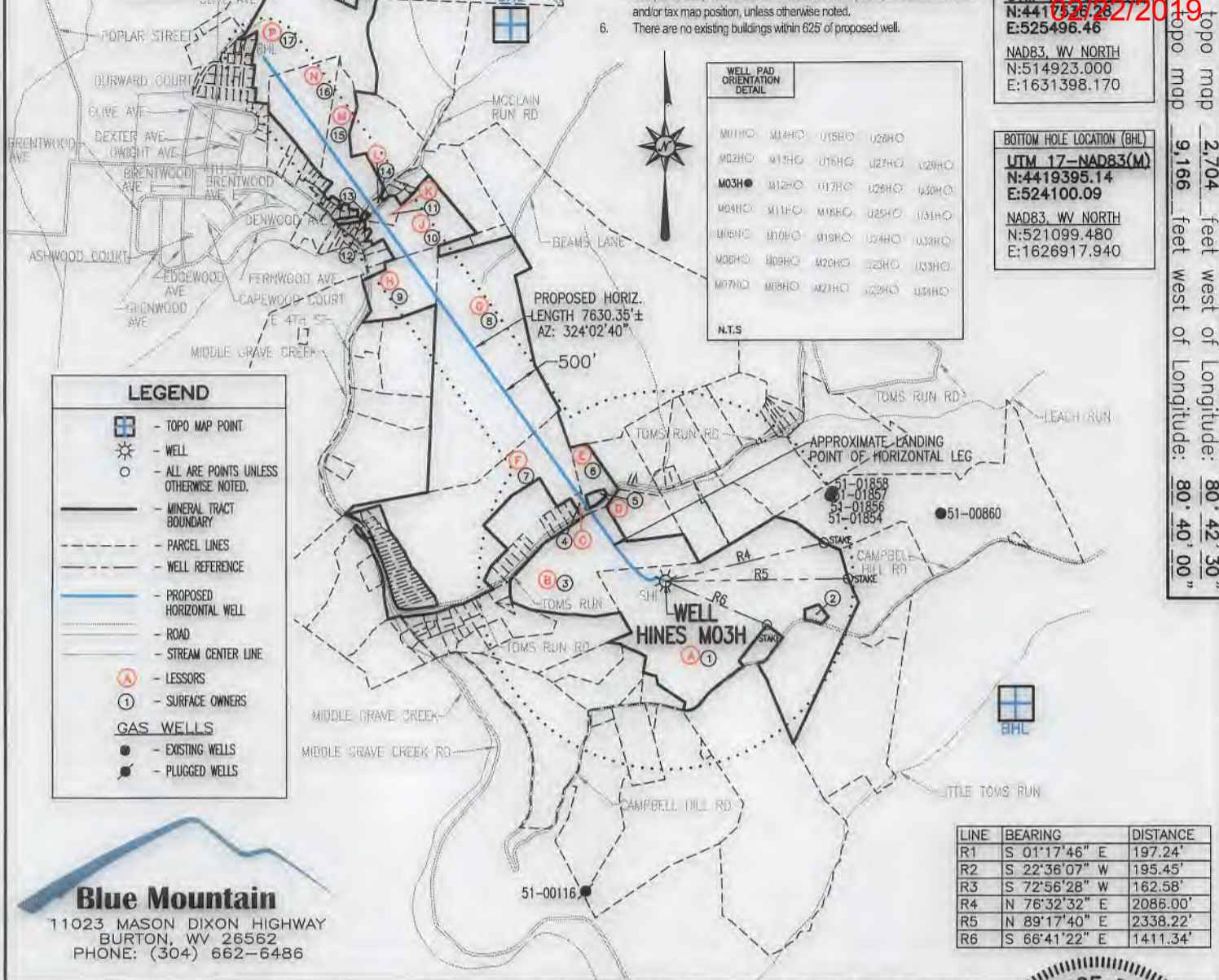
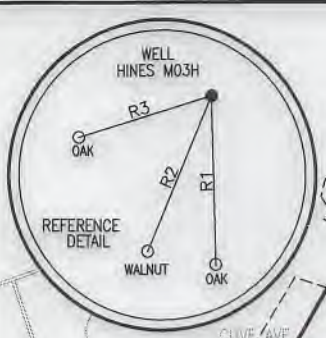
APPROX. LANDING POINT
UTM 17-NAD83(M)
 N:4417326.28
 E:525496.46
 NAD83, WV NORTH
 N:514923.000
 E:1631398.170

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
 N:4419395.14
 E:524100.09
 NAD83, WV NORTH
 N:521099.480
 E:1626917.940

WELL PAD ORIENTATION DETAIL

M01HO	M14HO	U15HO	U28HO
M02HO	M15HO	U16HO	U27HO
M03HO	M12HO	U17HO	U26HO
M04HO	M11HO	M18HO	U25HO
M05HO	M10HO	M19HO	U24HO
M06HO	M09HO	M20HO	U23HO
M07HO	M08HO	M21HO	U22HO

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

LINE	BEARING	DISTANCE
R1	S 01°17'46" E	197.24'
R2	S 22°36'07" W	195.45'
R3	S 72°56'28" W	162.58'
R4	N 76°32'32" E	2086.00'
R5	N 89°17'40" E	2338.22'
R6	S 66°41'22" E	1411.34'

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

BHL is located on topo map 2,704 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 9,166 feet west of Longitude: 80° 40' 00"

FILE #: HINES M03H
 DRAWING #: HINES M03H
 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 M03H
 API WELL #: 47 51 02157
 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: 412.650±

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: 14,282.18'±

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

M03H

PAGE 2 OF 3

02/22/2019

	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	RAYMOND P. YOHO ET UX	14-12A/13
	ROBERT K. BLAKE ET UX	
	CECIL R. LIGHTNER	
	IVAN L. WELLMAN ET UX	
	MELANIE J. YOUNG	
	ELMER Z. WELLMAN ET UX	
	TIMOTHY L. CURRY ET UX	
	CHARLES L. BLAKE ET UX	
	TAMRA C. MORGAN	
	GARREN D. WELLMAN	
	MARTHA E. DICKERHOOF	
	RACHEL EARNEST	
	CATHERINE A. GUSTIN	
	KAY WATSON	
	MARY WIDDER	
	CHANTEE M. DANCIK	
	MELISSA S. PRICE	
	HARVEY LEE WELLS JR.	
	APRIL DAWN WELLS	
	KIMBERLY R. FRANKENFIELD	
	DEBORAH ELDER	
	DARCY MICHAELS	
	DARLA THURMAN	
	MELISSA A. WAGGONER	
	ANDREW PFAUS	
	GREGORY A. PFAUS	
	MATHEW PFAUS	
	NANCY GREATHOUSE	
	DENISE A. WELLS	
	STEVEN D. WELLS	
	ROBERT JOHN MCCLELLAN	
	RANDALL W. DENNIS	
	DONALD MCCLELLAN	
	DONNA DAVIS	
	GEORGE MCCLELLAN JR.	
	DIANA LOUISE MCKINNEY	
	DIANE MINCKS	
	WAYNE KENNETH MCCLELLAN	
	DONALD E. GEARHART	
	DENISE K. PETREE	
	AARON CURRY	
	BEULAH J. CURRY	
	KIMBERLY PAULA VARNER	
GEOFFREY A. ROWLANDS		

	LESSOR	DIST-TM/PAR
C	JASON M. SANDOR	14-12A/13
	ANDREW W. FLOYD	
	JENNIFER JORDAN	
	JAMES M. SANDOR JR.	
	CANDICE J. CASTLE	
	RALPH E. WELLMAN ET AL	
	LINDA HAYS	
	KEVIN L. ROWLANDS	
	THOMAS MAZZAFERRO	
	SANDRA TRESSLER	
	LORREN ROGERS	
	ROBERT L. WELLING	
	MELANY L. WASKO	
	JOHN T. WELLING	
	MARK D. WELLING	
	THERESA B. WORKMAN	
	JAMES R. BLAKE	
	TERRY SEIBERT	
	SHEREE SINCLAIR	
	JAMES E. RICE	
	BETH GODFREY	
	STEVE RICE	
	STEVEN DALE PIERSON	
	RANDY SEIBERT	
	LONNIE V. BLAKE	
	SHIRLEY PONDER	
	EARLE VINCENT BLAKE - SPL COM DAVID C. WHITE	
D	MICHAEL J. MCCARTNEY ET UX	14-9/46.1
E	MICHAEL J. MCCARTNEY ET UX	14-9/46
F	DONNA HOLLIDAY	14-12/24
	DALE HALL	
	DENISE SCAMEHORN	
	DAVID HALL	
	ROBERT K. BLAKE ET UX	
	CECIL R. LIGHTNER	
	IVAN L. WELLMAN ET UX	
	MELANIE J. YOUNG	
	ELMER Z. WELLMAN ET UX	
	TIMOTHY L. CURRY ET UX	
	CHARLES L. BLAKE ET UX	
	TAMRA C. MORGAN	
	GARREN D. WELLMAN	
	MARTHA E. DICKERHOOF	
	RACHEL EARNEST	
	CATHERINE A. GUSTIN	
KAY WATSON		
MARY WIDDER		
CHANTEE M. DANCIK		
MELISSA S. PRICE		
HARVEY LEE WELLS JR.		
APRIL DAWN WELLS		
KIMBERLY R. FRANKENFIELD		
DEBORAH ELDER		
DARCY MICHAELS		

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N:4419395.14
E:524100.09
NAD83, WV NORTH
N:521099.480
E:1626917.940

	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	RAYMOND P. YOHO	14-12A/13
5	*MICHAEL J. MCCARTNEY ET UX	14-9/46.1
6	MICHAEL J. MCCARTNEY ET UX	14-9/46
7	DENISE L. & CHRISTOPHER SCAMEHORN	14-12/24
8	ALAN N. CROW ET AL	14-9/48
9	PATRICK J. ROGERS	14-9/50
10	KEVIN MICHAEL STEINMAN	14-9/54
11	JOSEPH L. GODDARD ET UX	14-9/54.4
12	JOSEPH GODDARD	14-9A2/23
13	JOSEPH GODDARD	14-9A2/23.2
14	JOSEPH L. GODDARD ET UX	14-9A2/34
15	JOS D. & NELLIE B. PARRIOTT	14-9/8
16	THOMAS L. WASEMANN ET UX	14-9/8.1
17	CARLA PAULINE SLOCUM	14-8/40

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

HINES

M03H

PAGE 3 OF 3

02/22/2019

	LESSOR	DIST-TM/PAR		
F	DARLA THURMAN	14-12/24		
	MELISSA A. WAGGONER			
	ANDREW PFAUS			
	GREGORY A. PFAUS			
	MATHEW PFAUS			
	NANCY GREATHOUSE			
	DENISE A. WELLS			
	STEVEN D. WELLS			
	ROBERT JOHN MCCLELLAN			
	RANDALL W. DENNIS			
	DONALD MCCLELLAN			
	DONNA DAVIS			
	GEORGE MCCLELLAN JR.			
	DIANA LOUISE MCKINNEY			
	DIANE MINCKS			
	WAYNE KENNETH MCCLELLAN			
	DONALD E. GEARHART			
	DENISE K. PREE			
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	BEULAH J. CURRY			
	KIMBERLY PAULA VARNER			
	GEOFFREY A. ROWLANDS			
	JASON M. SANDOR			
	ANDREW W. FLOYD			
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	JAMES M. SANDOR JR.			
	CANDICE J. CASTLE			
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	LINDA HAYS			
	KEVIN L. ROWLANDS			
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	LORREN ROGERS			
	ROBERT L. WELLING			
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	JAMES R. BLAKE			
	TERRY SEIBERT			
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	JAMES E. RICE			
	BETH GODFREY			
	STEVE RICE			
	STEVEN DALE PIERSON			
	RANDY SEIBERT			
	LONNIE V. BLAKE			
	SHIRLEY PONDER			
	EARLE VINCENT BLAKE - SPL COM DAVID C. WHITE			
	G		RICHARD F. VARGO ET UX	14-9/48
			RUTH ANN CROW	
			MARY KATHRYN NEEHOUSE	
	H		PATRICK J. ROGERS	14-9/50
	J		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
K	GREG BIETH	14-9/54.4
	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 - SFX	
	FIRST UNITED METHODIST CHURCH OF ORLANDO	
	GERALDINE PLOWDEN	
	JOYCE K. LARSON	
	DIXIE UNITED METHODIST CHURCH	
	BISHOP GRAY RETIREMENT FOUNDATION	
	JOSEPH D. PARRIOTT ET UX	
FL UNITED METHODIST CHILDRENS HOME INC.		
EMMANUEL EPISCOPAL CHURCH		
EDGEWOOD CHILDRENS RANCH INC.		
L	JOSEPH D. PARRIOTT ET UX	14-9A2/34
M	JOSEPH D. PARRIOTT ET UX	14-9/8
N	JOSEPH D. PARRIOTT ET UX	14-9/8.1
P	FLOYD E. GUMP ET UX	14-8/40

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OCTOBER 22, 2018