

BHL is located on topo map 11,737 feet south of Latitude: 39° 55' 00"  
 SHL is located on topo map 3,823 feet south of Latitude: 39° 55' 00"

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.

**SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS**

BHL is located on topo map 2,071 feet west of Longitude: 80° 40' 00"  
 SHL is located on topo map 9,108 feet west of Longitude: 80° 40' 00"

10/05/2018

WELL PAD ORIENTATION DETAIL			
M01HC	M13HC	U15HC	U28HC
M02HC	M13HC	U16HC	U27HC
M03HC	M12HC	U17HC	U26HC
M04HC	M11HC	M18HC	U25HC
M05HC	M10HC	M19HC	U24HC
M06HC	M09HC	M20HC	U23HC
M07HC	M08HC	M21HC	U22HC
M08HC	M07HC	M22HC	U21HC
M09HC	M06HC	M23HC	U20HC
M10HC	M05HC	M24HC	U19HC
M11HC	M04HC	M25HC	U18HC
M12HC	M03HC	M26HC	U17HC
M13HC	M02HC	M27HC	U16HC
M14HC	M01HC	M28HC	U15HC
M15HC	M00HC	M29HC	U14HC
M16HC	M00HC	M30HC	U13HC
M17HC	M00HC	M31HC	U12HC
M18HC	M00HC	M32HC	U11HC
M19HC	M00HC	M33HC	U10HC
M20HC	M00HC	M34HC	U09HC
M21HC	M00HC	M35HC	U08HC
M22HC	M00HC	M36HC	U07HC
M23HC	M00HC	M37HC	U06HC
M24HC	M00HC	M38HC	U05HC
M25HC	M00HC	M39HC	U04HC
M26HC	M00HC	M40HC	U03HC
M27HC	M00HC	M41HC	U02HC
M28HC	M00HC	M42HC	U01HC
M29HC	M00HC	M43HC	U00HC
M30HC	M00HC	M44HC	U00HC

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

**SURFACE HOLE LOCATION (SHL)**  
 UTM 17-NAD83(M)  
 N:4417386.600  
 E:525717.087  
 NAD83, WV NORTH  
 N:514419.724  
 E:1632113.936

**APPROX. LANDING POINT**  
 UTM 17-NAD83(M)  
 N:4417426.02  
 E:526675.15  
 NAD83, WV NORTH  
 N:514496.533  
 E:1635259.990

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17-NAD83(M)  
 N:4414982.89  
 E:527870.18  
 NAD83, WV NORTH  
 N:506413.820  
 E:1639047.431



LINE	BEARING	DISTANCE
R1	S 19°44'23" W	159.21'
R2	S 45°03'15" W	188.41'
R3	S 89°54'14" W	213.67'
R4	N 80°29'25" W	956.47'
R5	S 39°05'13" W	790.54'
R6	S 67°34'40" E	1338.79'

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

FILE #: HINES M20H  
 DRAWING #: HINES M20H  
 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: SEPTEMBER 24, 2018  
 OPERATOR'S WELL #: HINES M20H  
 API WELL #: 47 51 02087  
 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: 625.863±

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: 6,289'± TMD: 17,354.63'±

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 M20H PAGE 2 OF 2

10/05/2018

	LESSOR	DIST-TM/PAR
A	DONALD HINES ET UX	14-12/30
B	PATRICIA S. HOSKINS	14-12/31
C	OKEY L. RINE JR.	14-11/1
D	FRANCIS TURNER ET UX	14-11/2
E	DANIEL I. SHIPLEY ET AL	14-11/16.3
F	DANIEL I. SHIPLEY ET AL	14-11/16
G	PATRICIA C. LINDGREN	14-11/14
H	JAMES J. CAVENEY	14-13/8
J	FREDA V. PARSONS	14-13/10
	NEVA E. KELLER	
	SHEILA M. HAZEL EXEC OF MARY IRENE TAYLOR	
	LETHA I. RUCKMAN	
	ROBERT E. ROGERSON	
	RONALD E. ROGERSON	
	PATTY JEAN LANTZ	
	RALPH VAUGHN TAYLOR	
	MELISSA ANN BRAUN	
	ROBIN ROSE	
	RANDALL C. ROGERSON	
	RUSSELL W. ROGERSON	
	ELIZABETH BENNETT	
	JUDITH TAYLOR	
	WILLIAM O. TAYLOR	
	DAVID R. TAYLOR	
	MARY E. TAYLOR	
	HERBERT M. TAYLOR	
	LORETTA DOUGHERTY	
	KORENE LANTZ	
	HOWARD G. TAYLOR	
	MELVIN FANKHAUSER	
	EUGENE R. FANKHAUSER	
	DENVER TAYLOR	
	STEFANIE CIRILLI	
	JENNIFER CUICHTA	
K	DENNIS W. CROW ET UX	14-13/11
L	CNX GAS COMPANY LLC	14-13/11.1
	NOBLE ENERGY INC	

	SURFACE OWNER	DIST-TM/PAR
1	DONALD HINES ET UX	14-12/30
2	TERRY L. DERROW ET UX	14-12/30.3
3	PATRICIA SUE HOSKINS	14-12/31
4	EARNEST L. ROBERTS ET UX	14-12/31.1
5	OKEY L. RINE JR.	14-11/1
6	STEVEN M. LAVENSKI	14-11/1.1
7	D. FRANCIS TURNER ET UX	14-11/2.1
8	CARL A. COCHRAN ET UX	14-11/16.1
9	D. FRANCIS TURNER ET UX	14-11/2
10	JODY L. & ERIC M. WADE	14-11/16.2
11	PAUL E. & BRENT L. SHIPLEY	14-11/16
12	BRENT L. & LORI L. SHIPLEY	14-11/16.3
13	COUNTRY ROADS PROPERTIES LLC	14-11/14
14	JAMES J. CAVENEY ET UX	14-13/8
15	JAMES J. CAVENEY ET UX	14-13/10
16	DENNIS W. CROW ET UX	14-13/11
17	CONSOLIDATION COAL COMPANY, MURRAY ENERGY C/O LAND DEPT.	14-13/11.1

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**SEPTEMBER 24, 2018**