

BHL is located on topo map 10,906 feet south of Latitude: 39° 55' 00"  
 SHL is located on topo map 2,702 feet south of Latitude: 39° 52' 30"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

BHL is located on topo map 8,529 feet west of Longitude: 80° 45' 00"  
 SHL is located on topo map 3,156 feet west of Longitude: 80° 45' 00"

LINE	BEARING	DISTANCE
R1	N 13°24'19" W	220.85'
R2	N 27°43'46" W	229.31'
R3	N 41°12'24" W	209.47'
R4	N 38°52'45" W	1640.42'
R5	N 22°11'03" W	1809.79'
R6	N 71°36'12" E	1218.53'

UNKNOWN TRIBUTARY TO FISH RUN  
 SURFACE HOLE LOCATION (SHL)  
**UTM 17-NAD83(M)**  
 N:4413087.74  
 E:520419.64  
 NAD83, WV NORTH  
 N:500603.560  
 E:1614494.530

APPROX. LANDING POINT  
**UTM 17-NAD83(M)**  
 N:4413137.52  
 E:520042.86  
 NAD83, WV NORTH  
 N:500787.560  
 E:1613260.880

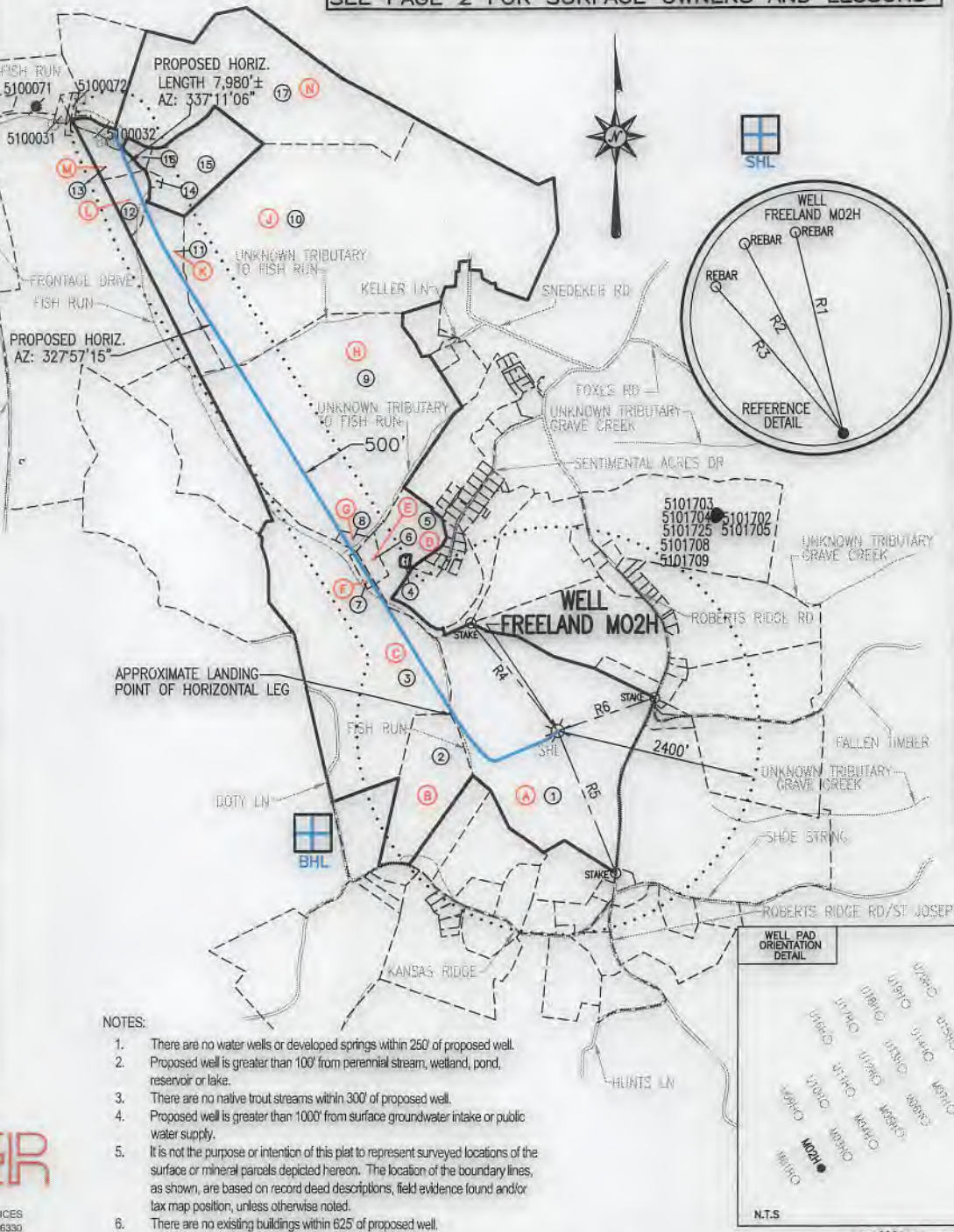
BOTTOM HOLE LOCATION (BHL)  
**UTM 17-NAD83(M)**  
 N:4415208.23  
 E:518776.47  
 NAD83, WV NORTH  
 N:507652.090  
 E:1609218.750

**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
- ABANDONED WELLS



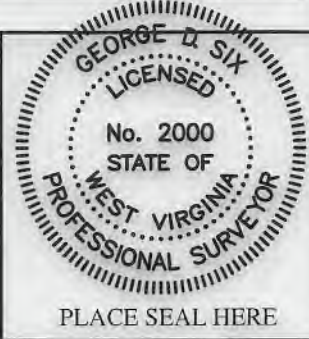
- NOTES:**
- There are no water wells or developed springs within 250' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface 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.

**THRASHER**  
 CIVIL · ENVIRONMENTAL · CONSULTING · FIELD SERVICES  
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 PHONE (304) 624-4108 · FAX (304) 624-7831

FILE #: FREELAND M02H  
 DRAWING #: FREELAND 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



(+) 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: SHORT CREEK-OHIO RIVER ELEVATION: 1274.00'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, WV 7.5'

SURFACE OWNER: JOSEPH L. FREELAND ET UX ACREAGE: 104.22±

OIL & GAS ROYALTY OWNER: JOSEPH FREELAND ET UX ACREAGE: 661.678±

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: 6,369'± TMD: 14,845.33'±

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 17, 2019

OPERATOR'S WELL #: FREELAND M02H

API WELL #: 47 51 02144 MOD  
 STATE COUNTY PERMIT

# FREELAND

## M02H

### PAGE 2 OF 2

	LESSOR	DIST-TM/PAR
A	JOSEPH FREELAND ET UX	4-7/21
B	ANTHONY FRANCIS SPECHT	4-7/20
	DEBORAH DARLENE VENTLE	
	CHERYL DENISE VOSS ET VIR	
	SUSAN MAY	
	CATHERINE PAZIN	
	LINDA KENT-FARINHA	
	KRISTINE BOURQUE	
	CHARLES GARNER	
	FREDERICK H. GARNER SR.	
	DAVID GARNER	
	DORIS JEAN FALLIN GARNER	
	THOMAS L. GARNER	
	KAREN HARPER	
	LESLIE GARNER	
	VALORIE HARPER	
	VIRGINIA THOMPSON	
	RUSSELL GARNER	
	BARBARA DOUGLAS	
	LINDA ZAREMBA	
	AMBER SPIESS	
	SHEENA LEA SCALES	
	WILLIAM R. HUGHES	
	ANTHONY F. MANZO	
	DANIEL MANZO SR.	
	ROBERT H. ROBINSON SR.	
	ROBERT H. ROBINSON JR.	
	LISA SHROYER	
	KEITH A. ROBINSON	
	JOHN L. SIMONETTI	
	JOHN M. SIMONETTI	
	JAMES SIMONETTI	
	CHARLES D. CUDDIHY	
	DAVID CUDDIHY	
	CAROL DRUMMOND	
	MARGO KAVANAS	
	WELDON L. KING ET UX	
	RENA ELAINE DEBLASIO	
	REBELLEE WILLIAMS	
	GARY SHEETS ET UX	
	JULIE MCALISTER	
	JUDITH R. VON BLON	
	REGINA WASHABAUGH	
	SHEILA MCDANIEL	
	DAVID VAUGHN JR.	
	ELLEN COOK	
	VIRGINIA HORNSBY	
	PATRICIA CHENOWETH	
	DORIS CALDWELL	
	LAURA L. BELL	
	SHANNON DEMPSEY	
	JACQUELINE CIRULLO	
	CURTISS RUCKMAN	
	WENDY ELIZABETH ZISKO	
	DARLENE A. COX-WEIGUM LIFE ESTATE	
	MICHAEL RUCKMAN	
	JAMIE CROSSMAN	
	ORPHA MAY HYDE	
	BEVERLY LINDSEY	
	THOMAS M. WILLIAMS III	
	DORIS L. MEIGH ET VIR	
	DOROTHY L. MEYERS ET VIR	
	PAMELA OSTROSKE	
	EUGENE BLUMLING ET UX	
	MARIE E. CSONTOS	
	MARGO LONG	
	BARBARA A. WEST	
	REBECCA S. BASIL	
	CHRISTINA M. BASIL	
	ROSS V. BASIL	
	ANTHONY C. BASIL	
	NORMAN DERROW	

	LESSOR	DIST-TM/PAR
C	HG ENERGY II APPALACHIA LLC	4-7/12
D	ROGER R. KING ET UX	4-7/5
E	*HG ENERGY II APPALACHIA LLC	4-7/5.1
F	HG ENERGY II APPALACHIA LLC	4-7/12.1
G	HG ENERGY II APPALACHIA LLC	4-5/75.1
H	ROSEANNA KELLER ET VIR	4-5/75
J	LANE P. RINE ET UX	4-5/73
K	EMMA A. SNEDEKER	4-6/9
	NOREEN S. HEDRICK	
	EVELYN K. SNEDEKER	
	ROBERT D. SIGLER ET UX	
	NANCY C. RIGGS	
	DONALD A. SNEDEKER	
	DELORES J. CALLIHAN	
	TRACI L. WILLIAMS	
	ROBERT J. SCHAUER ET UX	
	KATHERINE MATHEWS	
	FLOYD EUGENE BOLEN JR.	
	ROBERT M. MERASHOFF	
	EQT PRODUCTION CO ET AL	
L	EMMA A. SNEDEKER	4-6/10
	NOREEN S. HEDRICK	
	CHESTNUT HOLDINGS LLC	
	EVELYN K. SNEDEKER	
	ROBERT D. SIGLER ET UX	
	NANCY C. RIGGS	
	DONALD A. SNEDEKER	
	DELORES J. CALLIHAN	
	TRACI L. WILLIAMS	
	ROBERT J. SCHAUER ET UX	
	ROBERT M. MERASHOFF	
	EQT PRODUCTION CO ET AL	
M	EMMA A. SNEDEKER	4-6/13.2
	NOREEN S. HEDRICK	
	CHESTNUT HOLDINGS LLC	
	EVELYN K. SNEDEKER	
	ROBERT D. SIGLER ET UX	
	NANCY C. RIGGS	
	DONALD A. SNEDEKER	
	DELORES J. CALLIHAN	
	TRACI L. WILLIAMS	
	ROBERT J. SCHAUER ET UX	
	ROBERT M. MERASHOFF	
	EQT PRODUCTION CO ET AL	
N	CHESTNUT HOLDINGS LLC	4-6/13
	EVELYN K. SNEDEKER	
	ROBERT D. SIGLER ET UX	
	NANCY C. RIGGS	
	DONALD A. SNEDEKER	
	EMMA A. SNEDEKER	
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	ROBERT J. SCHAUER ET UX	
	TRACI L. WILLIAMS	
	ROBERT M. MERASHOFF	
	EQT PRODUCTION CO ET AL	

	SURFACE OWNER	DIST-TM/PAR
1	JOSEPH L. FREELAND ET UX	4-7/21
2	BIBIANA DERROW	4-7/20
3	CATHY J. & CARL F. JR., PETRUCCI	4-7/12
4	MARSHALL COUNTY SEWERAGE DIST.	4-7/5.7
5	LINDA J. KING	4-7/5
6	*CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	4-7/5.1
7	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	4-7/12.1
8	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	4-5/75.1
9	KELLER FAMILY TRUST	4-5/75
10	LANE P. & TONI L. RINE	4-5/73
11	LEROY D. ROSIER EST	4-6/9
12	MOLLIE ROSIER - EST	4-6/10
13	RONALD L. GALENTINE	4-6/13.2
14	DAVID L. ROSIER ET UX	4-6/11
15	FLOYD W. BOLEN ET UX ESTS	4-6/12
16	FLOYD W. BOLEN ET UX ESTS	4-6/13.1
17	ROBERT W. ASTON	4-6/13

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\* -- DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE



**OCTOBER 17, 2019**

API WELL #: 47 51 02144MOD  
 STATE COUNTY PERMIT