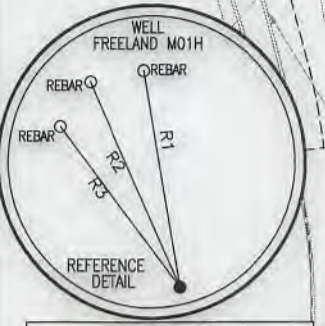
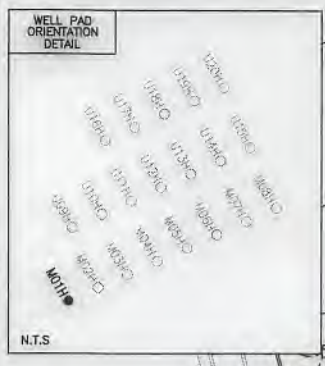


BHL is located on topo map 9,964 feet south of Latitude: 39° 55' 00"  
 SHL is located on topo map 2,708 feet south of Latitude: 39° 52' 30"



**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
- LOCATE & AVOID
- GAS WELLS**
- EXISTING WELLS
- PLUGGED WELLS
- ABANDONED WELLS

LINE	BEARING	DISTANCE
R1	N 09°37'52" W	224.03'
R2	N 23°58'52" W	228.76'
R3	N 37°12'56" W	205.47'
R4	N 38°22'11" W	1636.63'
R5	S 22°39'38" E	1809.37'
R6	N 71°32'04" E	1233.51'

- 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.

**SURFACE HOLE LOCATION (SHL)**

UTM 17-NAD83(M)  
 N:4413085.83  
 E:520415.49

NAD83, WV NORTH  
 N:500597.520  
 E:1614480.810

**APPROX. LANDING POINT**

UTM 17-NAD83(M)  
 N:4413221.72  
 E:520218.70

NAD83, WV NORTH  
 N:501054.240  
 E:1613842.510

**BOTTOM HOLE LOCATION (BHL)**

UTM 17-NAD83(M)  
 N:4415495.34  
 E:518884.51

NAD83, WV NORTH  
 N:508588.300  
 E:1609589.040

BHL is located on topo map 8,172 feet west of Longitude: 80° 45' 00"  
 SHL is located on topo map 3,169 feet west of Longitude: 80° 45' 00"

**THRASHER**

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES  
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 PHONE (304) 624-4108 • FAX (304) 624-7631

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: FREELAND M01H  
 DRAWING #: FREELAND 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

**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 17, 2019  
 OPERATOR'S WELL #: FREELAND M01H  
 API WELL #: 47 51 D2142 MOD  
 STATE COUNTY PERMIT

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: POWATAN POINT, WV 7.5'

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

OIL & GAS ROYALTY OWNER: JOSEPH FREELAND ET UX ACREAGE: 553.692±

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: 15,466.35'±

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

# FREELAND

## M01H

### PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	JOSEPH L. FREELAND ET UX	4-7/21
2	MICHAEL WILLIAM YOUNG	4-7/5.5
3	LINDA J. KING	4-7/5.4
4	JOHN O. RINE	4-7/5.6
5	MARSHALL COUNTY SEWERAGE DIST	4-7/5.7
6	*RICKEY C. SOUTH ET UX	4-7B/30
7	LINDA J. KING	4-7/5
8	KELLER FAMILY TRUST	4-5/75
9	LANE P. & TONI L. RINE	4-5/73
10	FLOYD W. BOLEN ET UX ESTS	4-6/12
11	ROBERT W. ASTON	4-6/13

	LESSOR	DIST-TM/PAR
A	JOSEPH FREELAND ET UX	4-7/21
B	MICHAEL W. YOUNG	4-7/5.5
C	ROGER R. KING ET UX	4-7/5.4
D	JOHN O. RINE ET UX	4-7/5.6
E	*RICKY C. SOUTH ET UX	4-7B/30
F	ROGER R. KING ET UX	4-7/5
G	ROSEANNA KELLER ET VIR	4-5/75
H	LANE P. RINE ET UX	4-5/73
J	EMMA A. SNEDEKER	4-6/12
	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	
K	EMMA A. SNEDEKER	4-6/13
	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	

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**E:518884.51**  
 NAD83, WV NORTH  
 N:508588.300  
 E:1609589.040

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



**OCTOBER 17, 2019**

API WELL #: 47 51 02142M00  
 STATE COUNTY PERMIT