

BHL is located on topo map 13,998 feet south of Latitude: 39° 55' 00"
 SHL is located on topo map 2,695 feet south of Latitude: 39° 52' 30"

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

BHL is located on topo map 7,585 feet west of Longitude: 80° 45' 00"
 SHL is located on topo map 3,142 feet west of Longitude: 80° 45' 00"

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



SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4413089.65
 E:520423.79
 NAD83, WV NORTH
 N:500609.610
 E:1614508.260

APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4412996.94
 E:519884.48
 NAD83, WV NORTH
 N:500334.930
 E:1612733.430

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4414267.00
 E:519066.83
 NAD83, WV NORTH
 N:504547.490
 E:1610119.940

LINE	BEARING	DISTANCE
R1	N 17°16'31" W	218.65'
R2	N 31°26'49" W	230.83'
R3	N 45°02'02" W	214.44'
R4	N 39°22'52" W	1644.44'
R5	S 21°42'41" E	1810.20'
R6	N 71°39'59" E	1203.65'



- 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 M03H
 DRAWING #: FREELAND 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



(+) 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 M03H
 API WELL #: 47 51 02145MDD
 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: POWHATAN POINT, WV 7.5'

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

OIL & GAS ROYALTY OWNER: JOSEPH FREELAND ET UX ACREAGE: 264.746±

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: 12,022.81'±

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

M03H

PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	JOSEPH L. FREELAND ET UX	4-7/21
2	BIBIANA DERROW	4-7/32.1
3	BIBIANA DERROW	4-7/20
4	CATHY J. & CARL F. JR., PETRUCCI	4-7/12
5	JOHN K. & NANCY L. MASON	4-7/4

	LESSOR	DIST-TM/PAR
A	JOSEPH FREELAND ET UX	4-7/21
B	NORMAN L. DERROW ET UX	4-7/32.1
C	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	
D	HG ENERGY II APPALACHIA LLC	4-7/12
E	JOHN K. MASON ET UX	4-7/4

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OCTOBER 17, 2019

API WELL #:

47

51

STATE

COUNTY

PERMIT

MOD
02145