

BHL is located on topo map 4,987 feet south of Latitude: 39° 55' 00"  
 SHL is located on topo map 2,690 feet south of Latitude: 39° 52' 30"

**SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL**

**SEE PAGE 3 FOR LESSORS**



03/08/2019



BHL is located on topo map 9,567 feet west of Longitude: 80° 45' 00"  
 SHL is located on topo map 3,236 feet west of Longitude: 80° 45' 00"

	SURFACE OWNER	DIST-TM/PAR
1	JOSEPH L. FREELAND ET UX	4-7/21
2	CHARLES L. THIELE ET UX	4-7/23.12
3	JOHN K. & NANCY LOU MASON	4-7/7
4	MICHAEL WILLIAM YOUNG	4-7/5.5
5	NATHAN E. & NICOLE WOOD	4-7B/46
6	*NATHAN E. & NICOLE WOOD	4-7B/21
7	NATHAN E. & NICOLE WOOD	4-7B/20
8	MICHAEL WILLIAM YOUNG	4-7B/22
9	MARK R. SMITH	4-7B/5
10	*MARY K. YOUNGER-HARBERT & BRANT LEE HARBERT	4-7B/12
11	ROBERT TODD ANKROM ET UX	4-7/5.3
12	LARRY M. & ROSEANNA J. KELLER	4-5/75
13	LANE P. & TONI L. RINE	4-5/73
14	FLOYD W. BOLEN ET UX ESTS	4-6/12
15	ROBERT W. ASTON	4-6/13
16	KRISTIN CROWTHER THACHER	4-6/15
17	KRISTIN CROWTHER THACHER	4-6/16
18	JAMES PARKS MILLER	4-1/38

**SURFACE HOLE LOCATION (SHL)**  
 UTM 17-NAD83(M)  
 N:4413099.21  
 E:520444.55  
 NAD83, WV NORTH  
 N:500639.840  
 E:1614576.899

**APPROX. LANDING POINT**  
 UTM 17-NAD83(M)  
 N:4413349.59  
 E:520456.39  
 NAD83, WV NORTH  
 N:501460.796  
 E:1614629.506

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17-NAD83(M)  
 N:4417010.81  
 E:518455.11  
 NAD83, WV NORTH  
 N:513584.890  
 E:1608263.051

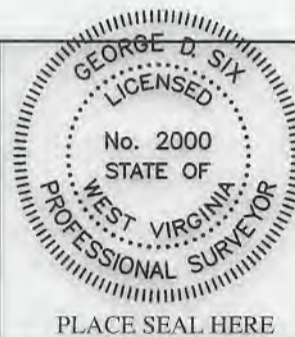


\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

FILE #: FREELAND M08H  
 DRAWING #: FREELAND M08H  
 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 12, 2018  
 OPERATOR'S WELL #: FREELAND M08H  
 API WELL #: 47 51 02154  
 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: 842.621±

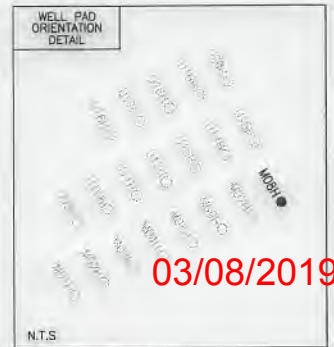
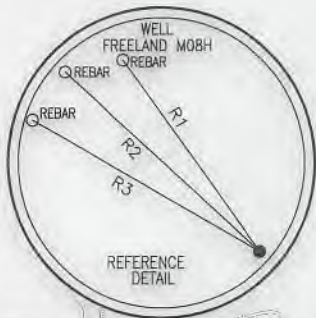
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION   
 PERFORATE NEW FORMATION  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE

(SPECIFY): \_\_\_\_\_

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,395'± TMD: 20,615.04'±

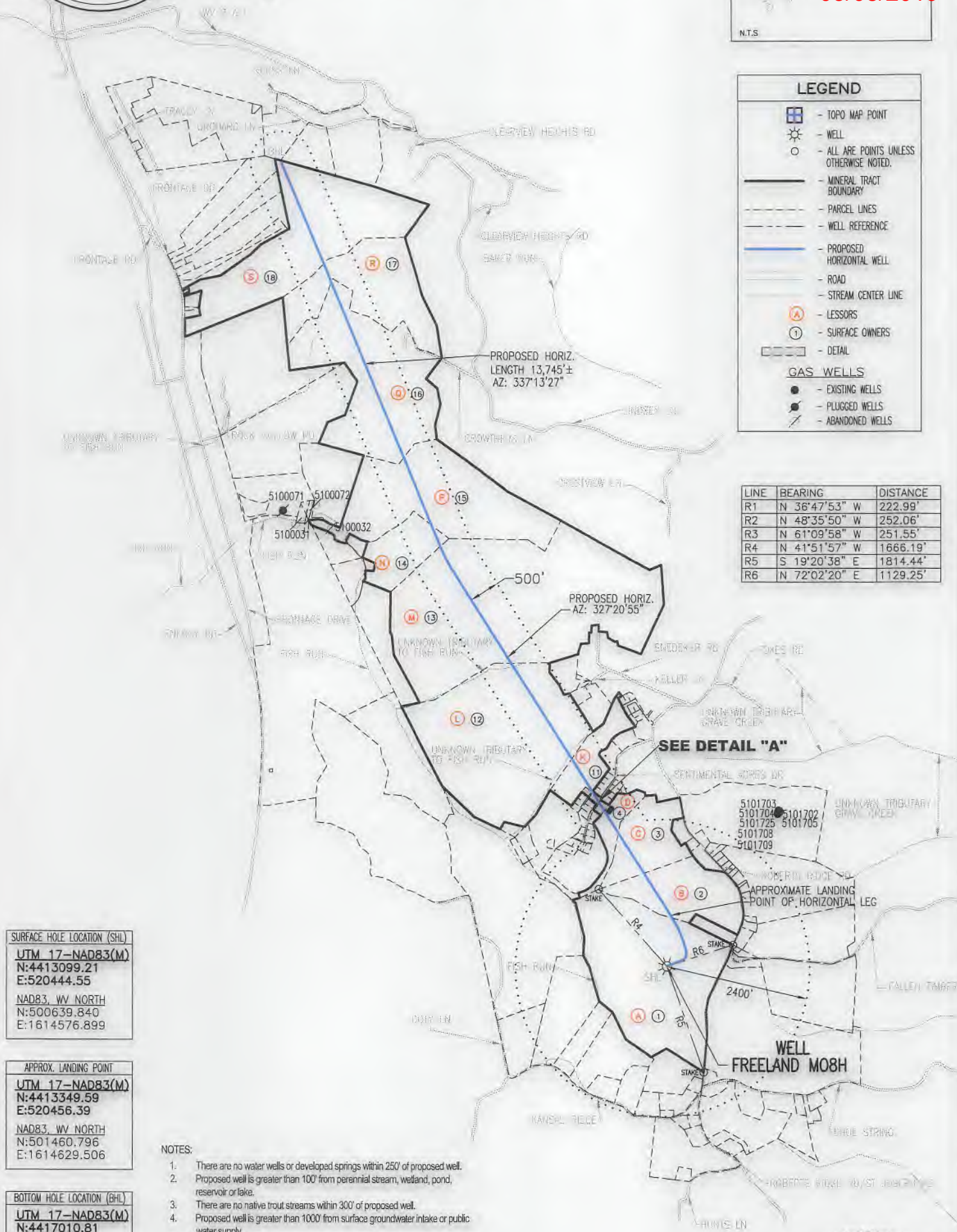
WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY  
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600  
 City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

# FREELAND M08H PAGE 2 OF 3



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
	- DETAIL
GAS WELLS	
	- EXISTING WELLS
	- PLUGGED WELLS
	- ABANDONED WELLS

LINE	BEARING	DISTANCE
R1	N 36°47'53" W	222.99'
R2	N 48°35'50" W	252.06'
R3	N 61°09'58" W	251.55'
R4	N 41°51'57" W	1666.19'
R5	S 19°20'38" E	1814.44'
R6	N 72°02'20" E	1129.25'



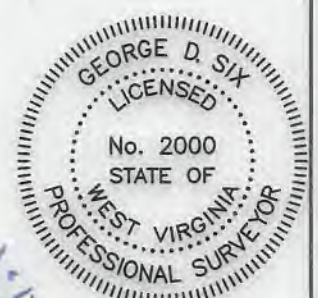
**SURFACE HOLE LOCATION (SHL)**  
**UTM 17-NAD83(M)**  
 N:4413099.21  
 E:520444.55  
 NAD83, WV NORTH  
 N:500639.840  
 E:1614576.899

**APPROX. LANDING POINT**  
**UTM 17-NAD83(M)**  
 N:4413349.59  
 E:520456.39  
 NAD83, WV NORTH  
 N:501460.796  
 E:1614629.506

**BOTTOM HOLE LOCATION (BHL)**  
**UTM 17-NAD83(M)**  
 N:4417010.81  
 E:518455.11  
 NAD83, WV NORTH  
 N:513584.890  
 E:1608263.051

- 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.

**OCTOBER 12, 2018**



*George D. Six*

# FREELAND

## M08H

### PAGE 3 OF 3

03/08/2019

	LESSOR	DIST-TM/PAR
A	JOSEPH FREELAND ET UX	4-7/21
B	CHARLES L. THIELE	4-7/23.12
C	JOHN K. MASON SR., ET UX	4-7/7
D	MICHAEL W. YOUNG	4-7/5.5
E	*JAMES A. BEHM ET UX	4-7B/21
F	JAMES A. BEHM ET UX	4-7B/20
G	MICHAEL W. YOUNG	4-7B/22
H	MARK R. SMITH	4-7B/5
J	*PATRICIA J. YOUNGER	4-7B/12
K	ROBERT TODD ANKROM ET UX	4-7/5.3
L	ROSEANNA KELLER ET VIR	4-5/75
M	LANE P. RINE ET UX	4-5/73
N	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	
P	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	
	KATHERINE MATHEWS	
	FLOYD EUGENE BOLEN JR.	
	ROBERT M. MERASHOFF	
	EQT PRODUCTION CO ET AL	
Q	KRISTIN CROWTHER THACHER	4-6/15
R	KRISTIN CROWTHER THACHER	4-6/16
S	THOMAS SCOTT MILLER ET UX	4-1/38
	BERNADINE RODRIGUEZ	
	BOUNTY MINERALS II ACQUISITIONS LLC	
	ALFRED E. HAMILTON	
	MARCIA HAMILTON CLARK ET VIR	
	STEVEN HAMILTON	
	SAM W. BOOHER III ET UX	
	MURIEL E. PARKER	
	JON BOOHER ET UX	
	DAVID LEWIS BOOHER ET UX	
	VIRGINIA LEE ODGEN DAVIES ET VIR	
	ROBERT OGDEN	
	PATRICIA AILEEN GEORGE ET VIR	
	AUDRA MARY OGDEN MINETTE ET VIR	
	BOOHER HUGHES ET UX	
	PATRICIA SUE MCALISTER ET VIR	
	JAMES PARK MILLER ET UX	

**SURFACE HOLE LOCATION (SHL)**  
**UTM 17-NAD83(M)**  
 N:4413099.21  
 E:520444.55  
 NAD83, WV NORTH  
 N:500639.840  
 E:1614576.899

**APPROX. LANDING POINT**  
**UTM 17-NAD83(M)**  
 N:4413349.59  
 E:520456.39  
 NAD83, WV NORTH  
 N:501460.796  
 E:1614629.506

**BOTTOM HOLE LOCATION (BHL)**  
**UTM 17-NAD83(M)**  
 N:4417010.81  
 E:518455.11  
 NAD83, WV NORTH  
 N:513584.890  
 E:1608263.051



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

**OCTOBER 12, 2018**