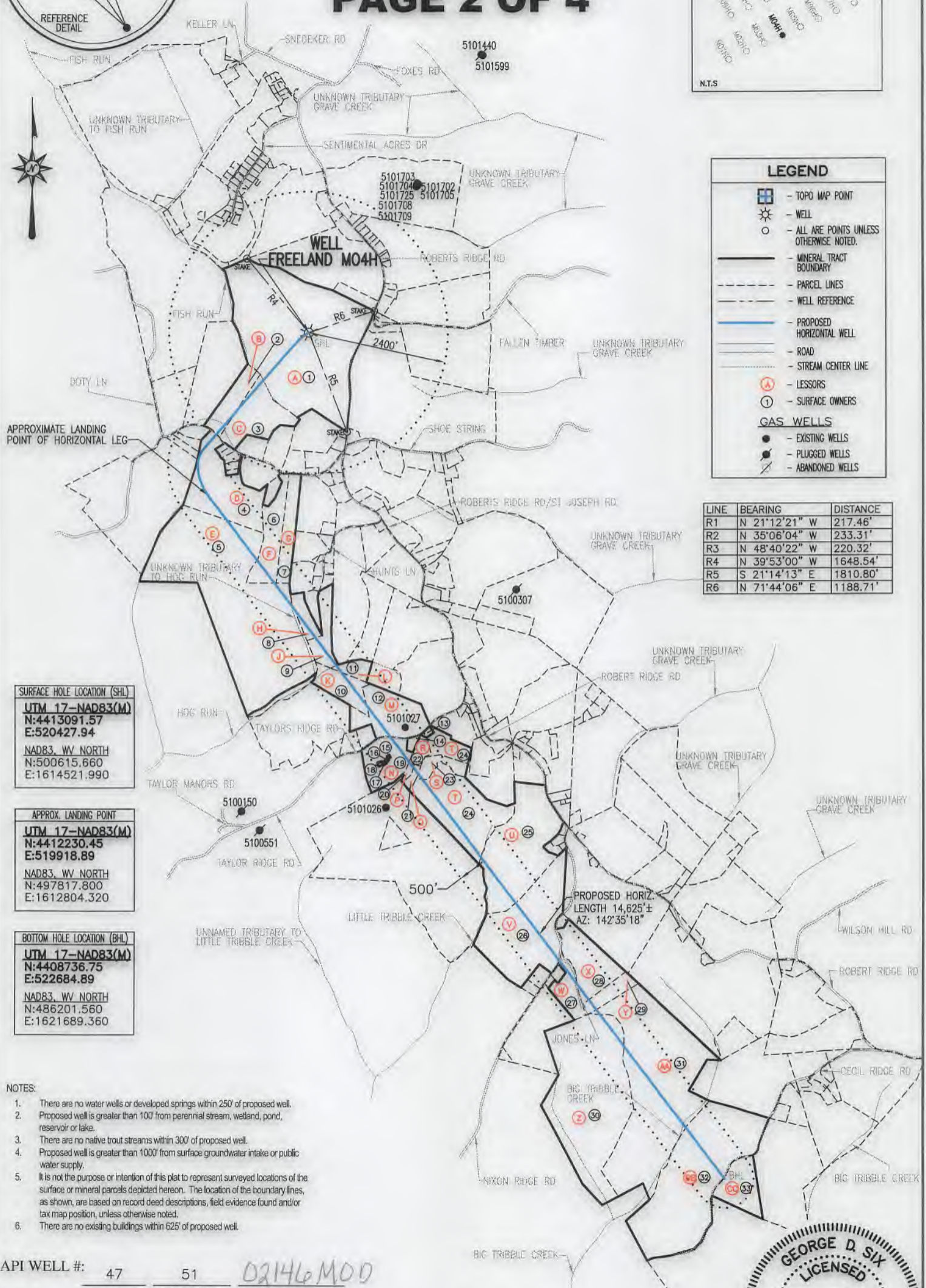
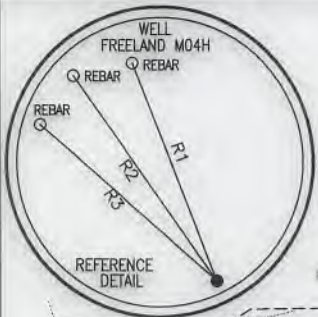


FREELAND M04H PAGE 2 OF 4



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

LINE	BEARING	DISTANCE
R1	N 21°12'21" W	217.46'
R2	N 35°06'04" W	233.31'
R3	N 48°40'22" W	220.32'
R4	N 39°53'00" W	1648.54'
R5	S 21°14'13" E	1810.80'
R6	N 71°44'06" E	1188.71'

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
N:4413091.57
E:520427.94
NAD83, WV NORTH
N:500615.660
E:1614521.990

APPROX. LANDING POINT
UTM 17-NAD83(M)
N:4412230.45
E:519918.89
NAD83, WV NORTH
N:497817.800
E:1612804.320

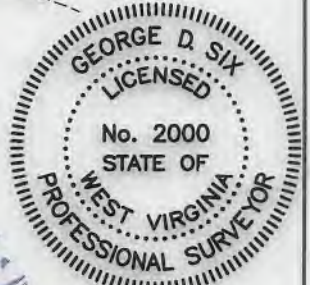
BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4408736.75
E:522684.89
NAD83, WV NORTH
N:486201.560
E:1621689.360

- 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.

API WELL #: 47 51 02146M00
 STATE COUNTY PERMIT

THRASHER

OCTOBER 17, 2019



CIVIL- ENVIRONMENTAL- CONSULTING- FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4106 • FAX (304) 624-7831

George D. Six

FREELAND

M04H

PAGE 3 OF 4

	LESSOR	DIST-TM/PAR
A	JOSEPH FREELAND ET UX	4-7/21
B	NORMAN L. DERROW ET UX	4-7/32.1
C	NORMAN L. DERROW ET UX	4-7/32
D	EUGENE C. ESTEP ET UX	4-13/1
E	EUGENE C. ESTEP ET UX	4-13/2
F	SHAWN T. DANAHEY ET UX	4-13/4
G	*SHAWN T. DANAHEY ET UX	4-13/4.2
H	LARRY H. FOSTER ET UX	4-13/5.9
J	STANLEY W. HUNT	4-13/5.8
K	DONALD WAYT	5-3/2
L	JAMES R. CHAPLIN	5-3/2.1
M	DONALD WAYT	5-3/3
N	JAMES R. CHAPLIN	5-3/4
P	DENNIS L. WARD ET UX	5-3/32.5
Q	DENNIS L. WARD ET UX	5-3/32.7
R	PAUL M. RINE ET UX	5-3/32.6
S	AMP FUND II GP LLC	5-3/32.12
T	AMP FUND II GP LLC	5-3/32.1
U	CHARLOTTE S. SZAFRAN	5-3/6
	JEFFREY A. SZAFRAN	
	JEFFREY D. ROBINSON UX	
	RANDY D. ROBINSON	
	MARK A. ROBINSON	
	BRIAN FURBEE	
	GREGORY D. FURBEE	
	MARSHA A. SINGER	
	EDMOND J. FURBEE	
	CHRISTOPHER G. FURBEE	
	MATTHEW R. FURBEE	
	MAUREEN C. COOPER	
	REXENA A. CUNNINGHAM	
	RICHARD CECIL ET UX	
	SHERRY L. MORRIS	
	WILLIAM R. POLEN	
	DEBBIE MAE MOORE	
	ETHEL E. STARKEY AKA ETHEL ELAINE STARKEY	
	CALLENE M. PETERSON FKA CALLENE M. STARKEY	
	REBECCA JEAN BROWN	
	PAULA J. ROHRER	
	MARLA K. STRUHAR	
	SARAH SISLEY FKA SARAH SALSBERY ET VIR	
	CARALOTTA J. GIBSON FKA CARALOTTA SALSBERY	
	JOHN M. SALSBERY BY JASON L. JACKSON GUARDIAN	
	DELLA J. COVERDALE ET UX	
	TRACY M. SALSBERY AKA TRACY SALSBERY	
	GINGER L. SALSBERY AKA GINGER SALSBERY	
	DALE A. SALSBERY AKA DALE ADORIN SALSBERY	
	JODIE R. MORRIS FKA JODIE SALSBERY	
	BARBARA L. MCGAHA	
	ELAINE M. KEENER	
	SHERRY KAY RISHER	
	SANDRA LEE KNAPSKI	
	BRENT LEE STARKEY	
	FORREST STARKEY ET UX	
	ANITA STANLEY FKA ANITA STARKEY	
	LINDA D. MAYO ET VIR	
	CAROL JEAN MALILKA ALBERT	
	SHARON L. SCHARTIGER	
	JANET SHADDICK	
	DUANE M. STARKEY ET UX	
	REGINA KAY ST GEORGE ET VIR	
	BETTY LOU STARKEY	
	PATTIE S. MADRID FKA PATTIE S. SPEAR	
	DEAN ALAN STARKEY	
V	STEPHEN M. THOMAS ET UX	5-3/9
	R. STEPHEN THOMAS ET UX	
	JOHN RESSEGER	
	LAURA VIRGINIA RESSEGER	
	WILLIAM ELMER RESSEGER	
W	SIDNEY L. JONES	5-3/25
X	RALPH ALLEN HOLMES	5-3/11
Y	RALPH ALLEN HOLMES	5-3/12
Z	MASTER MINERAL HOLDINGS I LP	5-3/24
AA	LARRY E. HILL	5-3/23
	MARY LOU SNYDER	
	PATRICIA A. PEARCE	
	ANDREA EVANS HORTON	
	MARY CATHERINE HOOD	
	BRADLEY R. HIGGINS	
	MICHAEL G. WHITE ET UX	
	BECKY OLIVER	
	GERALD C. OLIVER	
	GERALD CLINTON OLIVER	
	JAMES A. OLIVER	
	JOHN D. OLIVER	
	JOSEPH W. OLIVER	
	LINDA FAYE SCOLLICK	
	RUTH ANN HARRIGAN	
	GLADYS JANE BALDERSON	
	MARY LYNN JONES	
	KAROL LEE BABLE	

	LESSOR	DIST-TM/PAR
AA	JOHN G. CALVERT	5-3/23
CONT.	DELORES J. MYERS	
	HEATHER LEE DAVIS	
	JUDITH K. SHARP	
	ROBERT LEO ALLEN	
	WILLIAM SCOTT MILLER ET UX	
	GERALD WAYNE MARTIN	
	PAUL PATTERSON ET UX	
	HUGH LEROY JONES ET UX	
	GARY DAVID ALLEN	
	SUSAN K. IANNARELLI ET VIR	
	ELIZABETH S. HUDSON	
	PAMELA MANNELLA ET VIR	
	CARRIE LEE HENDERSON	
	RONALD L. PATTERSON	
	PEGGY MARTIN	
	MARTI JO MARTIN	
	MICHAEL A. MAY	
	DOUGLAS LOUIS WASEMANN	
	CHRISTINA MARIA BINGER	
	JAMES A. WASEMANN	
	HOLLY K. WAYT	
	RICHARD DOUGLAS WAYT	
	CHRISTINE LYNN MARTIN	
	TERRILEE BYLAND	
	GERALDINE ANNE BRACKEN	
	TIMOTHY P. EVANS	
	JAMES ROBERT EVANS SR	
	HEATHER NICOLE EVANS	
	MARGARET ROBERTA DAVIS	
	CARL DUDLEY ALLEN ET UX	
	SUSAN MARIE MCGILL	
	MIKE CHAMBERS	
	DANIEL JOSEPH HAMMEL	
	SANDRA MICHELLE ROBERTS	
	JAMES PATTERSON	
	DAVID ANTHONY HAMMEL SR	
BB	GLENN L. CUNNINGHAM ET UX	5-4/4
	GERALDINE ANNE BRACKEN	
	MARY LOU SNYDER	
	PATRICIA A. PEARCE	
	ANDREA EVANS HORTON	
	MARY CATHERINE HOOD	
	BRADLEY R. HIGGINS	
	TIMOTHY P. EVANS	
	HEATHER NICOLE EVANS	
	FORREST MILLER	
	DELORES J. MYERS	
	JOHN G. CALVERT	
	BECKY OLIVER	
	GERALD WAYNE MARTIN	
	GARY DAVID ALLEN	
	MARTI JO MARTIN	
	HUGH LEROY JONES ET UX	
	KAROL LEE BABLE	
	WILLIAM SCOTT MILLER ET UX	
	GLADYS JANE BALDERSON	
	MARGARET ROBERTA DAVIS	
	JUDITH PEARCE	
	RICHARD DOUGLAS WAYT	
	RUTH ANN HARRIGAN	
	LINDA FAYE SCOLLICK	
	GERALD C. OLIVER	
	JOSEPH W. OLIVER	
	JUDITH K. SHARP	
	GERALD CLINTON OLIVER	
	WENDELL W. JONES SR ET UX	
	CARL DUDLEY ALLEN ET UX	
	HOLLY K. WAYT	
	JOHN D. OLIVER	
	MIKE CHAMBERS	
	TED IANNARELLI ET UX	
	CARRIE LEE HENDERSON	
	JAMES A. OLIVER	
	SUSAN MARIE MCGILL	
	MICHAEL A. MAY	
	ROBERT LEO ALLEN	
	LAWRENCE MANNELLA ET UX	
	PEGGY MARTIN	
	MICHAEL G. WHITE ET UX	
	DANIEL JOSEPH HAMMEL	
	DAVID ANTHONY HAMMEL SR	
	JAMES ROBERT EVANS SR	
	ELIZABETH S HUDSON	
	PAUL PATTERSON ET UX	
	RONALD L PATTERSON	
	HEATHER LEE DAVIS	
	JAMES PATTERSON	

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

THRASHER

OCTOBER 17, 2019

API WELL #: 47 51 *DJ 146 MOD*
STATE COUNTY PERMIT

FREELAND

M04H

PAGE 4 OF 4

	LESSOR	DIST-TM/PAR
CC	BRENT C CUNNINGHAM ET UX	5-3/22.1
	GERALDINE ANNE BRACKEN	
	MARY LOU SNYDER	
	PATRICIA A PEARCE	
	ANDREA EVANS HORTON	
	MARY CATHERINE HOOD	
	BRADLEY R HIGGINS	
	TIMOTHY P EVANS	
	HEATHER NICOLE EVANS	
	MICHAEL G WHITE ET UX	
	BECKY OLIVER	
	GERALD C OLIVER	
	GERALD CLINTON OLIVER	
	JAMES A OLIVER	
	JOHN D OLIVER	
	JOSEPH W OLIVER	
	LINDA FAYE SCOLLICK	
	RUTH ANN HARRIGAN	
	GLADYS JANE BALDERSON	
	MARY LYNN JONES	
	KAROL LEE BABLE	
	MARGARET ROBERTA DAVIS	
	JOHN G CALVERT	
	DELORES J MYERS	
	DANIEL JOSEPH HAMMEL	
	HEATHER LEE DAVIS	
	JUDITH K SHARP	
	ROBERT LEO ALLEN	
	WILLIAM SCOTT MILLER ET UX	
	GERALD WAYNE MARTIN	
	PAUL PATTERSON ET UX	
	CARL DUDLEY ALLEN ET UX	
	HUGH LEROY JONES ET UX	
	GARY DAVID ALLEN	
	JAMES PATTERSON	
	SUSAN K IANNARELLI ET VIR	
	ELIZABETH S HUDSON	
	PAMELA MANNELLA ET VIR	
	CARRIE LEE HENDERSON	
	RONALD L PATTERSON	
	PEGGY MARTIN	
	MARTI JO MARTIN	
	SUSAN MARIE MCGILL	
	SANDRA MICHELLE ROBERTS	
	MICHAEL A MAY	
	MIKE CHAMBERS	
	JAMES ROBERT EVANS SR	
	DAVID ANTHONY HAMMEL SR	
	DOUGLAS LOUIS WASEMANN	
	CHRISTINA MARIA BINGER	
	JAMES A WASEMANN	
	HOLLY K WAYT	
	RICHARD DOUGLAS WAYT	
	CHRISTINE LYNN MARTIN	
	TERRILEE BYLAND	

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

THRASHER

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

OCTOBER 17, 2019 API WELL #:

47 51 *MOD*
STATE COUNTY PERMIT *02146*

BHL is located on topo map 1,825 feet south of Latitude: 39° 50' 00"
 SHL is located on topo map 2,689 feet south of Latitude: 39° 52' 30"

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL

SEE PAGE 3 & 4 FOR LESSORS



BHL is located on topo map 7,463 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 3,128 feet west of Longitude: 80° 45' 00"

	SURFACE OWNER	DIST-TM/PAR
1	JOSEPH L. FREELAND ET UX	4-7/21
2	BIBIANA DERROW	4-7/32.1
3	BIBIANA DERROW	4-7/32
4	EUGENE C. & ELIZABETH A. ESTEP	4-13/1
5	EUGENE C. & ELIZABETH A. ESTEP	4-13/2
6	SHAWN T. & KELLY J. DANAHEY	4-13/4
7	*SHAWN T. DANAHEY ET UX	4-13/4.2
8	LARRY & CATHERINE FOSTER	4-13/5.9
9	LAKEN H. DRAKE	4-13/5.8
10	DONALD WAYT	5-3/2
11	RALPH & ELLA BEA CHAPLIN	5-3/2.1
12	DONALD WAYT	5-3/3
13	RALPH A. & ELLA BEA CHAPLIN	5-3/32
14	RICHARD & HEATHER L. ROBINSON	5-3/4.3
15	AV LAUTTAMUS COMMUNICATIONS INC	5-3/4.2
16	MARSHALL COUNTY PUB SER DIST NO. 4	5-3/4.1
17	EDUCATIONAL MEDIA FOUNDATION	5-3/4.4
18	TELESPECTRUM INC DBA 360 COMMUNICATION CO	5-3/4.5
19	RALPH & ELLA BEA CHAPLIN	5-3/4
20	DENNIS LEE WARD ET UX	5-3/32.5
21	DENNIS L. & TERRI JO WARD	5-3/32.7
22	PAUL M. & BRENDA E. RINE	5-3/32.6
23	DALLAS PAUL RINE	5-3/32.12
24	RALPH A. & ELLA BEA CHAPLIN	5-3/32.1
25	JEFFREY A. SZAFRAN	5-3/6
26	MONTI THOMAS ET AL	5-3/9
27	SIDNEY L. & FRED A. JONES	5-3/25
28	RALPH ALLEN & ROBIN HOLMES	5-3/11
29	RALPH ALLEN & ROBIN HOLMES	5-3/12
30	RALPH A. & ROBIN R. HOLMES	5-3/24
31	CNX LAND RESOURCES INC	5-3/23
32	GLENN L. CUNNINGHAM ET UX	5-4/4
33	CODY S. CUNNINGHAM	5-3/22.1

THRASHER

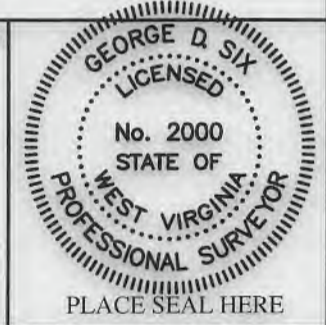
CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 • FAX (304) 624-7631

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413091.57 E:520427.94 NAD83, WV NORTH N:500615.660 E:1614521.990	UTM 17-NAD83(M) N:4412230.45 E:519918.89 NAD83, WV NORTH N:497817.800 E:1612804.320	UTM 17-NAD83(M) N:4408736.75 E:522684.89 NAD83, WV NORTH N:486201.560 E:1621689.360

FILE #: FREELAND M04H
 DRAWING #: FREELAND M04H
 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 M04H
 API WELL #: 47 51 02146MDD
 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: 757.715±

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: 22,555.26'±

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