



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, November 20, 2019
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

CHEVRON APPALACHIA, LLC
700 CHERRINGTON PARKWAY

CORAOPOLIS, PA 15108

Re: Permit Modification Approval for FREELAND M06H
47-051-02151-00-00

Modified Lateral, Attained Additional Leases

CHEVRON APPALACHIA, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin
Chief

Operator's Well Number: FREELAND M06H
Farm Name: JOSEPH L. FREELAND ET UX
U.S. WELL NUMBER: 47-051-02151-00-00
Horizontal 6A New Drill
Date Modification Issued: November 20, 2019

Promoting a healthy environment.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Chevron Appalachia, LLC 49449935 Marshall Clay Powhatan Point, VA
Operator ID County District Quadrangle

2) Operator's Well Number: M06H Well Pad Name: Freeland

3) Farm Name/Surface Owner: Freeland Public Road Access: CR 21 Robert Ridge Road

4) Elevation, current ground: 1274' Elevation, proposed post-construction: 1275'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 6370' below GL, 50' thick; Pore Pressure Gradient 0.64 psi/ft

8) Proposed Total Vertical Depth: 6,369

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22,851

11) Proposed Horizontal Leg Length: 15,745

12) Approximate Fresh Water Strata Depths: 572' below GL

13) Method to Determine Fresh Water Depths: Based on deepest water well within 2 mile radius

14) Approximate Saltwater Depths: 1709', 1789', 2120' below GL

15) Approximate Coal Seam Depths: Pittsburgh Coal top 794' below GL

16) Approximate Depth to Possible Void (coal mine, karst, other): No Void - In solid coal pillar

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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OCT 24 2019

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20	New	X52	78.67	40	40	CTS
Fresh Water	13.375	New	J-55	54.5	622	622	CTS
Coal							
Intermediate	9.625	New	J-55	40	2,170	2,170	CTS
Production	5.5	New	P110	20	22,851	22,851	(500" below 9.625" shoe)
Tubing							
Liners							

Handwritten signature and date: 10/21/19

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	20	26	0.375"				
Fresh Water	13.375	17.5	0.38	2,730	400	Class A	1.2
Coal							
Intermediate	9.625	12.375 & 12.25	0.395	3,950	500	Class A	1.19
Production	5.5	8.75 & 8.5	0.361	14,360	2,050	Class A, G, or H	1.25
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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WW-6B
(10/14)

API NO. 47- 51 - 02151 MOD

OPERATOR WELL NO. M06H

Well Pad Name: Freeland

JW
10/21/17

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill vertical depth to the Marcellus at an estimated total vertical depth of approximately 6,369 feet. Drill horizontal leg.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

9525 bbl fluid - 400,000 lbm sand/stage - 9,400 anticipated max psi - 100 bpm anticipated max rate

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 24.2

22) Area to be disturbed for well pad only, less access road (acres): 5.0

23) Describe centralizer placement for each casing string:

Surface: (1) on shoe track w/ stop collar & (1) per jt over coupling to surface; Intermediate: (1) on shoe track w/ stop collar & (1) per 3 jts over coupling; Production String: (1) centralizer every jt in the lateral and curve & (1) every other joint from KOP to surface.

24) Describe all cement additives associated with each cement type:


For the Water String the blend will contain class A cement, 3% CaCl₂, and flake. The intermediate will contain class A cement, 3% CaCl₂, Salt, and flake. The Production cement will have a lead and tail cement. The lead will contain class A, G, or H cement, KCl, dispersant, suspension agent, and retarder. The tail will contain class A, G, or H cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer.

25) Proposed borehole conditioning procedures:

Air sections ensured to be clean via air circulation once TD is reached. Fluid sections will be circulated a minimum of 2 bottoms up once casing point has been reached and until uniform mud properties are achieved.

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*Note: Attach additional sheets as needed.

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Page 3 of 3

WV Department of
Environmental Protection



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OCT 24 2019

WV Department of
Environmental Protection

Chevron

**Appalachian LLC
WV Well Site Safety Plan**

*ju
10/21/19*

Pad: Freeland Pad A

Well # M06H

3599 Roberts Ridge Rd

Moundsville, WV 26041

Clay District

Marshall County, WV

Access Point – [39.865278°N, 80.758511°W]

Well Site – [39.867578°N, 80.761275°W]

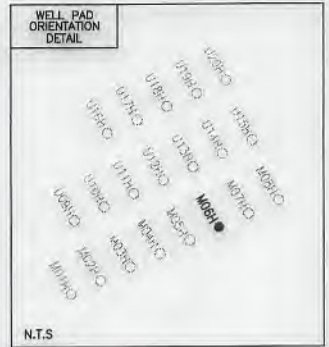
Marshall County, West Virginia

Revised 12/5/2018: Casing and Cementing Info

02/18/2019: H2S Notification

**10/16/2019: Collision Avoidance, Casing and Cementing Info, Lateral Extension, Update
Contacts**

FREELAND M06H PAGE 2 OF 4

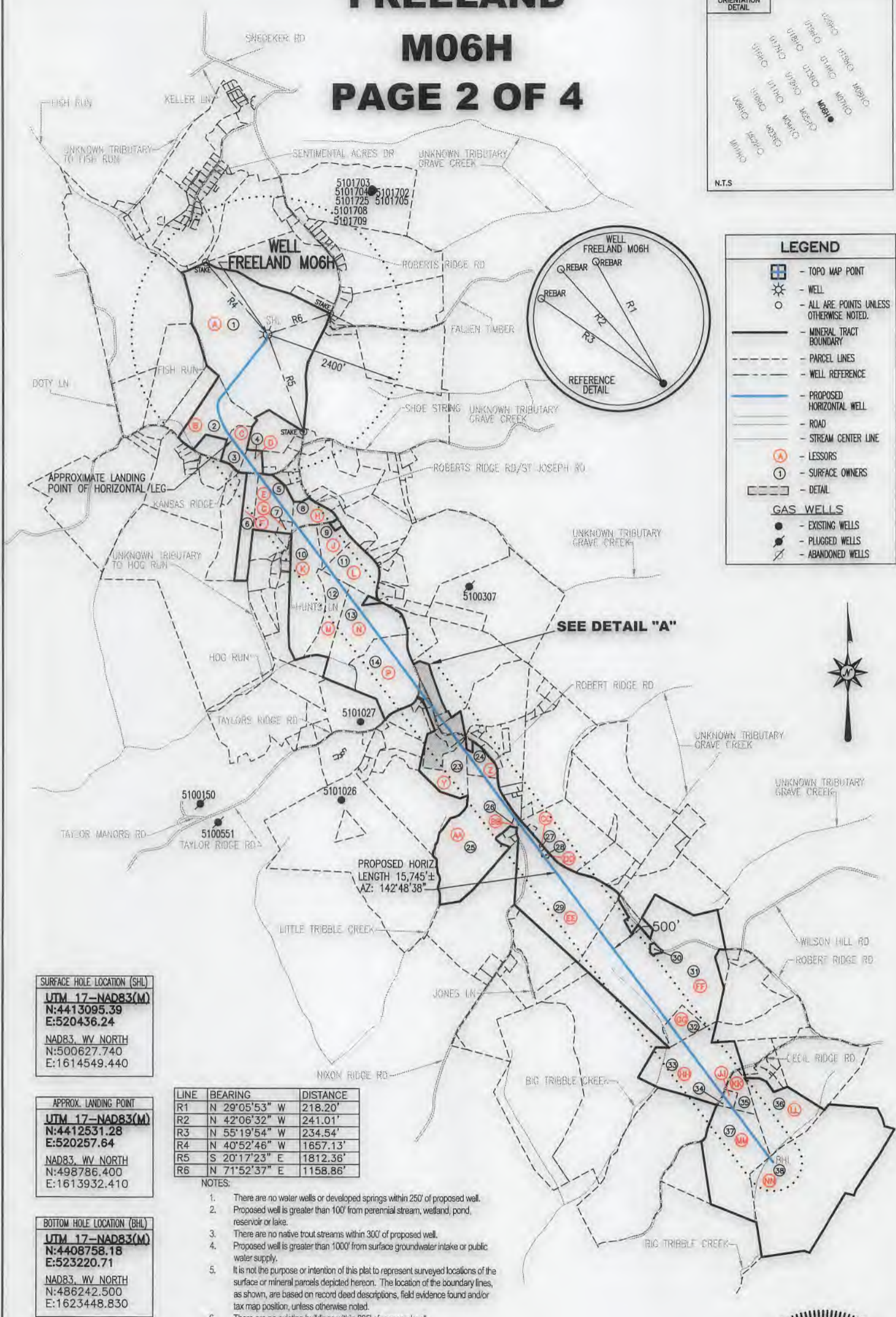
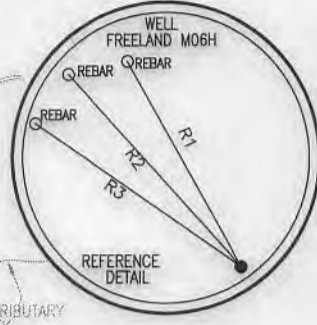


LEGEND

- 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
- DETAIL

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS
- ABANDONED WELLS



SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
 N:4413095.39
 E:520436.24
 NAD83, WV NORTH
 N:500627.740
 E:1614549.440

APPROX. LANDING POINT
UTM 17-NAD83(M)
 N:4412531.28
 E:520257.64
 NAD83, WV NORTH
 N:498786.400
 E:1613932.410

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
 N:4408758.18
 E:523220.71
 NAD83, WV NORTH
 N:486242.500
 E:1623448.830

LINE	BEARING	DISTANCE
R1	N 29°05'53" W	218.20'
R2	N 42°06'32" W	241.01'
R3	N 55°19'54" W	234.54'
R4	N 40°52'46" W	1657.13'
R5	S 20°17'23" E	1812.36'
R6	N 71°52'37" E	1158.86'

- 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.

API WELL #: 47 51 *02151M00*
 STATE COUNTY PERMIT

THRASHER

OCTOBER 17, 2019



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

George D. Six

BHL is located on topo map 1,760 feet south of Latitude: 39° 50' 00"
 SHL is located on topo map 2,677 feet south of Latitude: 39° 52' 30"

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL



BHL



SHL

SEE PAGE 3 & 4 FOR LESSORS

	SURFACE OWNER	DIST-TM/PAR
1	JOSEPH L. FREELAND ET UX	4-7/21
2	BIBIANA DERROW ET UX	4-7/32
3	CARRIE ANN MASON	4-7/32.3
4	MARK A. & NORMA S. ROBINSON	4-7/31.2
5	PHILLIP JONES ET UX	4-13/7
6	SHAWN T. DANAHEY ET UX	4-13/4.2
7	*CHRISTY L. MCCLELLAND	4-13/7.1
8	GREG ELWOOD BASSETT	4-13/19
9	IMOGENE WHITFIELD - LIFE	4-13/20
10	IMOGENE WHITFIELD - LIFE	4-13/21
11	IMOGENE WHITFIELD - LIFE	4-13/22
12	IMOGENE WHITFIELD - LIFE	4-13/23
13	LINDA LEE WILLIAMS - TOD	4-13/25.1
14	LLOYD BAKER	4-13/25.2
15	JASON K. AMOS	4-13/25.4
16	DEAN E. PETTIT ET UX	5-3/34
17	FRANKLIN J. WILLIAMS II	5-3/35
18	PAUL E. JR. BARLOW ET UX	5-3/33
19	JIMMIE REGIEC ET UX	4-13/25.5
20	ROBERT L. JONES JR.	4-13/29.1
21	LOYE A. BLAKE SR., EST	5-3/32.2
22	KEITH A. & STACY HILL	5-3/32.10
23	JOHN ROBERT HILL ET UX - LIFE	5-3/32.4
24	RALPH A. & ROBIN R. HOLMES	5-3/6.1
25	JEFFREY A. SZAFRAN	5-3/6
26	DOUG & TERRI ALLMAN	5-3/6.3
27	*CHARLENE L. BAKER	5-3/10.2
28	CHARLENE LORRAINE BAKER	5-3/10.1
29	RAYMOND L. & DOROTHY L. MIDCAP	5-3/10
30	TRACY MERCER	5-3/13.2
31	DOUGLAS G. & MICHAEL W. & STEPHEN S. DERROW EST	5-3/13
32	MICHAEL WILLIAM DERROW	5-3/13.4
33	GLEN L. CUNNINGHAM ET UX	5-3/14
34	BRENT C. & SATONA L. CUNNINGHAM	5-3/15
35	KAINE O. HOWARD & ANGELA M. MCCOMBS	5-3/16
36	BERNARD A. STANLEY ET UX	5-3/21.2
37	BRENT C. CUNNINGHAM ET UX	5-3/22
38	CNX LAND RESOURCES INC	9-1/20.1

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

BHL is located on topo map 5,704 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 3,101 feet west of Longitude: 80° 45' 00"

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 PHONE (304) 624-4108 • FAX (304) 624-7831

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
 N:4413095.39
 E:520436.24
 NAD83, WV NORTH
 N:500627.740
 E:1614549.440

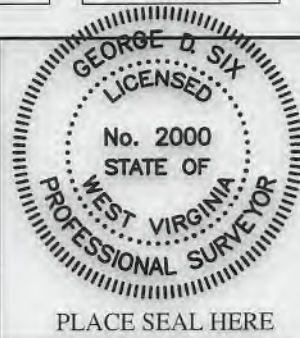
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BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
 N:4408758.18
 E:523220.71
 NAD83, WV NORTH
 N:486242.500
 E:1623448.830

FILE #: FREELAND M06H
 DRAWING #: FREELAND M06H
 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 M06H
 API WELL #: 47 51
 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: 681.933±

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: 22,850.98'±

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

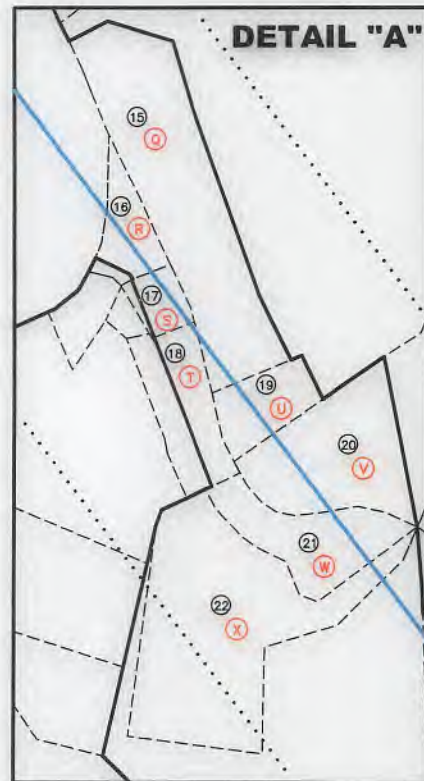
M06H

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
C	CARRIE ANN MASON	4-7/32.3
D	MARK A. ROBINSON	4-7/31.2
E	PHILLIP D. JONES ET UX	4-13/7
F	SHAWN T. DANAHEY ET UX	4-13/4.2
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Q	JASON K. AMOS	4-13/25.4
R	DEAN E. PETTIT ET UX	5-3/34
S	FRANKLIN J. WILLIAMS II	5-3/35
T	PAUL E. BARLOW JR., ET UX	5-3/33
U	JIMMY REGIEC ET UX	4-13/25.5
V	ROBERT L. JONES JR., ET UX	4-13/29.1
W	BRIAN E. BLAKE	5-3/32.2
X	KEITH A. HILL	5-3/32.10
Y	CAROL ELLEN HILL	5-3/32.4
	MARK O. HILL	
	MELISSA J. DAVIS	
	KEITH A. HILL	
Z	DEAN ALAN STARKEY	5-3/6.1
	RALPH ALLEN HOLMES	
	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	
AA	CHARLOTTE S. SZAFRAN	5-3/6
	JEFFREY A. SZAFRAN	
	JEFFREY D. ROBINSON UX	
	RANDY D. ROBINSON	
	MARK A. ROBINSON	
	DEAN ALAN STARKEY	

	LESSOR	DIST-TM/PAR
AA	BRIAN FURBEE	5-3/6
	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	
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	CALLENE M. PETERSON FKA CALLENE M. STARKEY	
	REBECCA JEAN BROWN	
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	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	
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	JANET SHADDICK	
	DUANE M. STARKEY ET UX	
	REGINA KAY ST GEORGE ET VIR	
	BETTY LOU STARKEY	
	PATTIE S. MADRID FKA PATTIE S. SPEAR	

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413095.39 E:520436.24	UTM 17-NAD83(M) N:4412531.28 E:520257.64	UTM 17-NAD83(M) N:4408758.18 E:523220.71
NAD83, WV NORTH N:500627.740 E:1614549.440	NAD83, WV NORTH N:498786.400 E:1613932.410	NAD83, WV NORTH N:486242.500 E:1623448.830



* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

THRASHER

OCTOBER 17, 2019 API WELL #:

47

51

STATE

COUNTY

PERMIT

FREELAND

M06H

PAGE 4 OF 4

	LESSOR	DIST-TM/PAR
BB	DEAN ALAN STARKEY	5-3/6.3
	TERRY D. MINEAR	
	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	
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	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	
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	JANET SHADDICK	
	DUANE M. STARKEY ET UX	
	REGINA KAY ST GEORGE ET VIR	
	BETTY LOU STARKEY	
	PATTIE S. MADRID FKA PATTIE S. SPEAR	
CC	*DOROTHY L. MIDCAP	5-3/10.2
DD	CHARLENE LORRAINE BAKER	5-3/10.1
EE	DOROTHY L. MIDCAP	5-3/10
FF	MICHAEL WILLIAM DERROW	5-3/13
GG	MICHAEL WILLIAM DERROW	5-3/13.4
HH	GLENN L. CUNNINGHAM ET UX	5-3/14
JJ	BRENT C. CUNNINGHAM ET UX	5-3/15
KK	KAINE O HOWARD ET AL	5-3/16
LL	BERNARD A STANLEY ET UX	5-3/21.2

	LESSOR	DIST-TM/PAR
MM	BRENT C CUNNINGHAM ET UX	5-3/22
	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 SCOLLUCK	
	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	
NN	CNX GAS COMPANY LLC	9-1/20.1

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M)
N:4413095.39
E:520436.24
NAD83, WV NORTH
N:500627.740
E:1614549.440

APPROX. LANDING POINT
UTM 17-NAD83(M)
N:4412531.28
E:520257.64
NAD83, WV NORTH
N:498786.400
E:1613932.410

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M)
N:4408758.18
E:523220.71
NAD83, WV NORTH
N:486242.500
E:1623448.830

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 02151400

STATE COUNTY PERMIT

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
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See Attached

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WV Department of
Environmental Protection

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Chevron Appalachia, LLC
 By: Branden Weimer 
 Its: Senior Permitting Advosor

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WV Department of
Environmental Protection

Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
A	4-7-21	FREELAND JOSEPH ET UX	Chevron U.S.A. Inc.	≥ 0.125	932/374	n/a	n/a	n/a
B	4-7-32	DERROW NORMAN L ET UX	Chevron U.S.A. Inc.	≥ 0.125	852/409	n/a	n/a	n/a
C	4-7-32.3	MASON CARRIE ANN	Chevron U.S.A. Inc.	≥ 0.125	852/378	n/a	n/a	n/a
D	4-7-31.2	ROBINSON MARK A - SFX	Chevron U.S.A. Inc.	≥ 0.125	915/513	n/a	n/a	n/a
E	4-13-7	JONES PHILLIP D ET UX	TriEnergy Holdings, LLC	≥ 0.125	705/264	24/180 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron- U.S.A. Inc.	n/a
F	4-13-4.2	DANAHEY SHAWN T ET UX	TH Exploration, LLC	≥ 0.125	876/64	36/168 TH Exploration, LLC to Chevron U.S.A. Inc.	n/a	n/a
G	4-13-7.1	MCCLELLAND CHAD W. ET UX	Chevron U.S.A. Inc.	≥ 0.125	773/506	n/a	n/a	n/a
H	4-13-19	BASSETT GREG E ET UX	TriEnergy Holdings, LLC	≥ 0.125	704/613	24/180 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
J	4-13-20	WHITFIELD IMOGENE	AB Resources, LLC	≥ 0.125	689/89	24/466 AB Resources et al to Chief Exploration and Development and Radler 2000 Limited Partnership	25/105 Chief Exploration and Development and Radler 2000 Limited Partnership to Chevron U.S.A. Inc.	756/397 AB Resources, LLC to Chevron U.S.A. Inc.
K	4-13-21	WHITFIELD IMOGENE	AB Resources, LLC	≥ 0.125	689/89	24/466 AB Resources et al to Chief Exploration and Development and Radler 2000 Limited Partnership	25/105 Chief Exploration and Development and Radler 2000 Limited Partnership to Chevron U.S.A. Inc.	756/397 AB Resources, LLC to Chevron U.S.A. Inc.
L	4-13-22	WHITFIELD IMOGENE	AB Resources, LLC	≥ 0.125	689/89	24/466 AB Resources et al to Chief Exploration and Development and Radler 2000 Limited Partnership	25/105 Chief Exploration and Development and Radler 2000 Limited Partnership to Chevron U.S.A. Inc.	756/397 AB Resources, LLC to Chevron U.S.A. Inc.

10/15/2019

Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
M	4-13-23	WHITFIELD IMOGENE	AB Resources, LLC	≥ 0.125	689/89	AB Resources et al to Chief Exploration and Development and Radler 2000 Limited Partnership	Chief Exploration and Development and Radler 2000 Limited Partnership to Chevron U.S.A. Inc.	AB Resources, LLC to Chevron U.S.A. Inc.
N	4-13-25.1	WILLIAMS CHARLES ET UX	Chevron U.S.A. Inc. *	≥ 0.125	838/545	n/a	n/a	n/a
P	4-13-25.2	BAKER LLOYD G	Chevron U.S.A. Inc. *	≥ 0.125	861/583	n/a	n/a	n/a
Q	4-13-25.4	AMOS JASON K	Chevron U.S.A. Inc. *	≥ 0.125	803/549	n/a	n/a	n/a
R	5-3-34	PETTIT DEAN E ET UX	TriEnergy Holdings, LLC	≥ 0.125	739/571	25/489 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc. *	n/a
S	5-3-35	WILLIAMS FRANKLIN J II	Chevron U.S.A. Inc. *	≥ 0.125	899/520	n/a	n/a	n/a
T	5-3-33	BARLOW PAUL E JR ET UX	TriEnergy Holdings, LLC	≥ 0.125	740/23	25/489 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc. *	n/a
U	4-13-25.5	REGIEC JIMMY ET UX	Chevron U.S.A. Inc. *	≥ 0.125	772/438	n/a	n/a	n/a
V	4-13-29.1	JONES ROBERT L JR ET UX	AB Resources, LLC	≥ 0.125	689/87	24/490 AB Resources, LLC to Chief Exploration & Development LLC and Radler 2000 Limited Partnership	25/1 Chief Exploration & Development LLC and Radler 2000 Limited Partnership to Chevron U.S.A. Inc. *	756/397 AB Resources, LLC to Chevron U.S.A. Inc. *
W	5-3-32.2	BLAKE BRIAN E	Chevron U.S.A. Inc. *	≥ 0.125	771/633	n/a	n/a	n/a
X	5-3-32.10	HILL KEITH A	Noble Energy, Inc.	≥ 0.125	845/252	39/1 Noble Energy, Inc. to HG Energy II Appalachia	40/577 HG Energy II Appalachia to Chevron U.S.A. Inc. *	n/a
V	4-13-29.1	HILL CAROL ELLEN	Noble Energy, Inc.	≥ 0.125	845/185	39/1 Noble Energy, Inc. to HG Energy II Appalachia	40/577 HG Energy II Appalachia to Chevron U.S.A. Inc. *	n/a
V	5-3-33.1	HILL MARK O	Noble Energy, Inc.	≥ 0.125	845/187	39/1 Noble Energy, Inc. to HG Energy II Appalachia	40/577 HG Energy II Appalachia to Chevron U.S.A. Inc. *	n/a

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Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
		DAVIS MELISSA J	Noble Energy, Inc.	≥ 0.125	845/167	39/1 Noble Energy, Inc. to HG Energy II Appalachia	40/577 HG Energy II Appalachia to Chevron U.S.A. Inc.	n/a
		HILL KEITH A	Noble Energy, Inc.	≥ 0.125	845/252	39/1 Noble Energy, Inc. to HG Energy II Appalachia	40/577 HG Energy II Appalachia to Chevron U.S.A. Inc.	n/a
		STARKEY DEAN ALAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/195	n/a	n/a	n/a
		HOLMES RALPH ALLEN	Chevron U.S.A. Inc.	≥ 0.125	914/566	n/a	n/a	n/a
		ROBINSON JEFFREY D UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	887/576	n/a	n/a	n/a
		ROBINSON RANDY D - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/539	n/a	n/a	n/a
		ROBINSON MARK A - SFX	Chevron U.S.A. Inc.	≥ 0.125	887/573	n/a	n/a	n/a
		FURBEE BRIAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	939/136	n/a	n/a	n/a
		FURBEE GREGORY D - SFX	Chevron U.S.A. Inc.	≥ 0.125	939/139	n/a	n/a	n/a
		SINGER MARSHA A - SFX	Chevron U.S.A. Inc.	≥ 0.125	890/469	n/a	n/a	n/a
		FURBEE EDMOND J - SFX	Chevron U.S.A. Inc.	≥ 0.125	926/68	n/a	n/a	n/a
		FURBEE CHRISTOPHER G - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/613	n/a	n/a	n/a
		FURBEE MATTHEW R - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/440	n/a	n/a	n/a
		COOPER MAUREEN C - SFX	Chesapeake Appalachia, LLC	≥ 0.125	691/26	24/338 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoil USA Onshore Properties, Inc to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.
		CUNNINGHAM REXENA A - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/610	n/a	n/a	n/a
		CECIL RICHARD ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/132	n/a	n/a	n/a
		MORRIS SHERRY L - SFX	Chevron U.S.A. Inc.	≥ 0.125	929/526	n/a	n/a	n/a
		POLEN WILLIAM R - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/419	n/a	n/a	n/a
		MOORE DEBBIE MAE - SFX	Chesapeake Appalachia, LLC	≥ 0.125	690/564	24/338 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoil USA Onshore Properties, Inc to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.
		STARKEY ETHEL E AKA STARKEY ETHEL ELAINE - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/152	n/a	n/a	n/a

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Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
Z	5-3-6.1	PETERSON CALLENE M FKA STARKEY CALLENE M - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/114	n/a	n/a	n/a
		BROWN REBECCA JEAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/309	n/a	n/a	n/a
		ROHRER PAULA J - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/312	n/a	n/a	n/a
		STRUHAR MARLA K - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/321	n/a	n/a	n/a
		SISLEY SARAH FKA SALSBERRY SARAH ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/145	n/a	n/a	n/a
		GIBSON CARALOTTA J FKA SALSBERRY CARALOTTA - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/138	n/a	n/a	n/a
		SALSBERRY JOHN M BY JASON L JACKSON GUARDIAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	882/203	n/a	n/a	n/a
		COVERDALE DELLA J ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/173	n/a	n/a	n/a
		SALSBERRY TRACY M AKA SALSBERRY TRACY - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/159	n/a	n/a	n/a
		SALSBERRY GINGER L AKA SALSBERRY GINGER - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/167	n/a	n/a	n/a
		SALSBERRY DALE A AKA SALSBERRY DALE ADORIN - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/315	n/a	n/a	n/a
		MORRIS JODIE R FKA SALSBERRY JODIE - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/126	n/a	n/a	n/a
		MCGAHA BARBARA L - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/98	n/a	n/a	n/a
		KEENER ELAINE M - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/101	n/a	n/a	n/a
		RISHER SHERRY KAY - SFX	Chevron U.S.A. Inc.	≥ 0.125	803/562	n/a	n/a	n/a
		KNAPSKI SANDRA LEE - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/315	n/a	n/a	n/a
		STARKEY BRENT LEE - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/318	n/a	n/a	n/a
STARKEY FORREST ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/154	n/a	n/a	n/a		
STANLEY ANITA FKA STARKEY ANITA - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/151	n/a	n/a	n/a		
MAYO LINDA D ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/157	n/a	n/a	n/a		
ALBERT CAROL JEAN MALILKA - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/268	n/a	n/a	n/a		
SCHARTIGER SHARON L - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/205	n/a	n/a	n/a		
SHADDICK JANET - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/271	n/a	n/a	n/a		
STARKEY DUANE M ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/265	n/a	n/a	n/a		
ST GEORGE REGINA KAY ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/104	n/a	n/a	n/a		
STARKEY BETTY LOU - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/107	n/a	n/a	n/a		

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Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
		MADRID PATTIE S FKA SPEAR PATTIE S - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/120	n/a	n/a	n/a
		SZAFRAN CHARLOTTE S - SFX	Chevron U.S.A. Inc.	≥ 0.125	939/124	n/a	n/a	n/a
		SZAFRAN JEFFREY A - SFX	Chevron U.S.A. Inc.	≥ 0.125	939/223	n/a	n/a	n/a
		ROBINSON JEFFREY D UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	887/576	n/a	n/a	n/a
		ROBINSON RANDY D - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/539	n/a	n/a	n/a
		ROBINSON MARK A - SFX	Chevron U.S.A. Inc.	≥ 0.125	887/573	n/a	n/a	n/a
		STARKEY DEAN ALAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/195	n/a	n/a	n/a
		FURBEE BRIAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	939/136	n/a	n/a	n/a
		FURBEE GREGORY D - SFX	Chevron U.S.A. Inc.	≥ 0.125	939/139	n/a	n/a	n/a
		SINGER MARSHA A - SFX	Chevron U.S.A. Inc.	≥ 0.125	890/469	n/a	n/a	n/a
		FURBEE EDMOND J - SFX	Chevron U.S.A. Inc.	≥ 0.125	926/68	n/a	n/a	n/a
		FURBEE CHRISTOPHER G - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/613	n/a	n/a	n/a
		FURBEE MATTHEW R - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/440	n/a	n/a	n/a
		COOPER MAUREEN C - SFX	Chesapeake Appalachia, LLC	≥ 0.125	691/26	24/338 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoil USA Onshore Properties, Inc to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.
		CUNNINGHAM REXENA A - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/610	n/a	n/a	n/a
		CECIL RICHARD ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/132	n/a	n/a	n/a
		MORRIS SHERRY L - SFX	Chevron U.S.A. Inc.	≥ 0.125	929/526	n/a	n/a	n/a
		POLEN WILLIAM R - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/419	n/a	n/a	n/a
		MOORE DEBBIE MAE - SFX	Chesapeake Appalachia, LLC	≥ 0.125	690/564	24/338 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoil USA Onshore Properties, Inc to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.
		STARKEY ETHEL E AKA STARKEY ETHEL ELAINE - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/152	n/a	n/a	n/a
		PETERSON CALLENE M FKA STARKEY CALLENE M - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/114	n/a	n/a	n/a
		BROWN REBECCA JEAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/309	n/a	n/a	n/a
		ROHRER PAULA J - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/312	n/a	n/a	n/a

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Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
		STRUHAR MARLA K - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/321	n/a	n/a	n/a
		SISLEY SARAH FKA SALSBERRY SARAH ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/145	n/a	n/a	n/a
		GIBSON CARALOTTA J FKA SALSBERRY CARALOTTA - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/138	n/a	n/a	n/a
		SALSBERRY JOHN M BY JASON L JACKSON GUARDIAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	882/203	n/a	n/a	n/a
		COVERDALE DELLA J ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/173	n/a	n/a	n/a
		SALSBERRY TRACY M AKA SALSBERRY TRACY - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/159	n/a	n/a	n/a
		SALSBERRY GINGER L AKA SALSBERRY GINGER - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/167	n/a	n/a	n/a
		SALSBERRY DALE A AKA SALSBERRY DALE ADORIN - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/315	n/a	n/a	n/a
		MORRIS JODIE R FKA SALSBERRY JODIE - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/126	n/a	n/a	n/a
		MCGAHA BARBARA L - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/98	n/a	n/a	n/a
		KEENER ELAINE M - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/101	n/a	n/a	n/a
		RISHER SHERRY KAY - SFX	Chevron U.S.A. Inc.	≥ 0.125	803/562	n/a	n/a	n/a
		KNAPSKI SANDRA LEE - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/315	n/a	n/a	n/a
		STARKEY BRENT LEE - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/318	n/a	n/a	n/a
		STARKEY FORREST ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/154	n/a	n/a	n/a
		STANLEY ANITA FKA STARKEY ANITA - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/151	n/a	n/a	n/a
		MAYO LINDA D ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/157	n/a	n/a	n/a
		ALBERT CAROL JEAN MALILKA - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/268	n/a	n/a	n/a
		SCHARTIGER SHARON L - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/205	n/a	n/a	n/a
		SHADDICK JANET - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/271	n/a	n/a	n/a
		STARKEY DUANE M ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/265	n/a	n/a	n/a
		ST GEORGE REGINA KAY ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/104	n/a	n/a	n/a
		STARKEY BETTY LOU - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/107	n/a	n/a	n/a
		MADRID PATTIE S FKA SPEAR PATTIE S - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/120	n/a	n/a	n/a
		STARKEY DEAN ALAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/195	n/a	n/a	n/a

Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
		MINFAR TERRY D - SFX	TriEnergy Holdings, LLC	≥ 0.125	697/479	24/180 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
		ROBINSON JEFFREY D UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	887/576	n/a	n/a	n/a
		ROBINSON RANDY D - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/539	n/a	n/a	n/a
		ROBINSON MARK A - SFX	Chevron U.S.A. Inc.	≥ 0.125	887/573	n/a	n/a	n/a
		FURBEE BRIAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	939/136	n/a	n/a	n/a
		FURBEE GREGORY D - SFX	Chevron U.S.A. Inc.	≥ 0.125	939/139	n/a	n/a	n/a
		SINGER MARSHA A - SFX	Chevron U.S.A. Inc.	≥ 0.125	890/469	n/a	n/a	n/a
		FURBEE EDMOND J - SFX	Chevron U.S.A. Inc.	≥ 0.125	926/68	n/a	n/a	n/a
		FURBEE CHRISTOPHER G - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/613	n/a	n/a	n/a
		FURBEE MATTHEW R - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/440	n/a	n/a	n/a
		COOPER MAUREEN C - SFX	Chesapeake Appalachia, LLC	≥ 0.125	691/26	24/338 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoil USA Onshore Properties, Inc to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.
		CUNNINGHAM REXENA A - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/610	n/a	n/a	n/a
		CECIL RICHARD ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/132	n/a	n/a	n/a
		MORRIS SHERRY L - SFX	Chevron U.S.A. Inc.	≥ 0.125	929/526	n/a	n/a	n/a
		POLEN WILLIAM R - SFX	Chevron U.S.A. Inc.	≥ 0.125	880/419	n/a	n/a	n/a
		MOORE DEBBIE MAE - SFX	Chesapeake Appalachia, LLC	≥ 0.125	690/564	24/338 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoil USA Onshore Properties, Inc to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.
		STARKEY ETHEL E AKA STARKEY ETHEL ELAINE - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/152	n/a	n/a	n/a
		PETERSON CALLENE M FKA STARKEY CALLENE M - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/114	n/a	n/a	n/a
		BROWN REBECCA JEAN - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/309	n/a	n/a	n/a
		ROHRER PAULA J - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/312	n/a	n/a	n/a
		STRUHAR MARLA K - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/321	n/a	n/a	n/a
		SISLEY SARAH FKA SALSBERRY SARAH ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/145	n/a	n/a	n/a

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Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
		GIBSON CARALOTTA J FKA SALSBERY	Chevron U.S.A. Inc.	≥ 0.125	871/138	n/a	n/a	n/a
		CARALOTTA - SFX						
		SALSBERY JOHN M BY JASON LJACKSON	Chevron U.S.A. Inc.	≥ 0.125	882/203	n/a	n/a	n/a
		GUARDIAN - SFX						
		COVERDALE DELLA J ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/173	n/a	n/a	n/a
		SALSBERY TRACY M AKA SALSBERY TRACY - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/159	n/a	n/a	n/a
		SALSBERY GINGER L AKA SALSBERY GINGER - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/167	n/a	n/a	n/a
		SALSBERY DALE A AKA SALSBERY DALE	Chevron U.S.A. Inc.	≥ 0.125	871/315	n/a	n/a	n/a
		ADORIN - SFX						
		MORRIS JODIE R FKA SALSBERY JODIE - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/126	n/a	n/a	n/a
		MCGAHA BARBARA L - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/98	n/a	n/a	n/a
		KEENER ELAINE M - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/101	n/a	n/a	n/a
		RISHER SHERRY KAY - SFX	Chevron U.S.A. Inc.	≥ 0.125	803/562	n/a	n/a	n/a
		KNAPSKI SANDRA LEE - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/315	n/a	n/a	n/a
		STARKEY BRENT LEE - SFX	Chevron U.S.A. Inc.	≥ 0.125	873/318	n/a	n/a	n/a
		STARKEY FORREST ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/154	n/a	n/a	n/a
		STANLEY ANITA FKA STARKEY ANITA - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/151	n/a	n/a	n/a
		MAYO LINDA D ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/157	n/a	n/a	n/a
		ALBERT CAROL JEAN MALILKA - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/268	n/a	n/a	n/a
		SCHARTIGER SHARON L - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/205	n/a	n/a	n/a
		SHADDICK JANET - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/271	n/a	n/a	n/a
		STARKEY DUANE M ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	893/265	n/a	n/a	n/a
		ST GEORGE REGINA KAY ET VIR - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/104	n/a	n/a	n/a
		STARKEY BETTY LOU - SFX	Chevron U.S.A. Inc.	≥ 0.125	872/107	n/a	n/a	n/a
		MADRID PATTIE S FKA SPEAR PATTIE S - SFX	Chevron U.S.A. Inc.	≥ 0.125	871/120	n/a	n/a	n/a
CC	5-3-10.2	MIDCAP DOROTHY L	Chevron U.S.A. Inc.	≥ 0.125	899/535	n/a	n/a	n/a
DD	5-3-10.1	BAKER CHARLENE LORRAINE	Chevron U.S.A. Inc.	≥ 0.125	899/535	n/a	n/a	n/a
EE	5-3-10	MIDCAP DOROTHY L	Chevron U.S.A. Inc.	≥ 0.125	899/535	n/a	n/a	n/a

Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
FF	5-3-13	DERROW MICHAEL WILLIAM	Chesapeake Appalachia, LLC	≥ 0.125	681/341	29/325 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoil USA Onshore Properties, Inc to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.
GG	5-3-13.4	DERROW MICHAEL WILLIAM	Chesapeake Appalachia, LLC	≥ 0.125	681/341	29/325 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/427 Statoil USA Onshore Properties, Inc to Chevron U.S.A. Inc.	30/461 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.
HH	5-3-14	CUNNINGHAM GLENN L ET UX	Chevron U.S.A. Inc.	≥ 0.125	683/509	n/a	n/a	n/a
JJ	5-3-15	CUNNINGHAM BRENT C ET UX	TriEnergy Holdings, LLC	≥ 0.125	737/271	25/489 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
KK	5-3-16	KAINE O HOWARD ET AL	Noble Energy, Inc.	≥ 0.125	803/634	39/1 Noble Energy, Inc. to HG Energy II Appalachia	40/577 HG Energy II Appalachia to Chevron U.S.A. Inc.	n/a
LL	5-3-21.2	STANLEY BERNARD A ET UX	AB Resources, LLC	≥ 0.125	685/286	756/397 AB Resources, LLC to Chevron U.S.A. Inc.	n/a	n/a
		CUNNINGHAM BRENT C ET UX	Chesapeake Appalachia, LLC	≥ 0.125	683/603	29/325 Chesapeake Appalachia, LLC to Statoil USA Onshore Properties, Inc.	30/392 Chesapeake Appalachia, LLC to Chevron U.S.A. Inc.	30/404 Statoil USA Onshore Properties Inc. to Chevron U.S.A. Inc.
		BRACKEN GERALDINE ANNE - SFX	Chevron U.S.A. Inc.	≥ 0.125	847/152	n/a	n/a	n/a
		SNYDER MARY LOU - SFX	Chevron U.S.A. Inc.	≥ 0.125	889/344	n/a	n/a	n/a
		PEARCE PATRICIA A - SFX	Chevron U.S.A. Inc.	≥ 0.125	889/347	n/a	n/a	n/a
		HORTON ANDREA EVANS - SFX	Chevron U.S.A. Inc.	≥ 0.125	883/584	n/a	n/a	n/a
		HOOD MARY CATHERINE - SFX	Chevron U.S.A. Inc.	≥ 0.125	883/533	n/a	n/a	n/a
		HIGGINS JANET F - AIF HIGGINS BRADLEY R - SF	Chevron U.S.A. Inc.	≥ 0.125	899/523	n/a	n/a	n/a
		EVANS TIMOTHY P - SFX	Chevron U.S.A. Inc.	≥ 0.125	902/526	n/a	n/a	n/a
		EVANS HEATHER NICOLE - SFX	Chevron U.S.A. Inc.	≥ 0.125	903/186	n/a	n/a	n/a
		MILLER FORREST - SFX	Chevron U.S.A. Inc.	≥ 0.125	1064/361	n/a	n/a	n/a

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Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
MM	5-3-22	MVERS DELORES J - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	831/530	n/a	n/a	n/a
		CALVERT JOHN G - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	831/462	n/a	n/a	n/a
		OLIVER BECKY - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	831/525	n/a	n/a	n/a
		MARTIN GERALD WAYNE - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	835/213	n/a	n/a	n/a
		ALLEN GARY DAVID - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	838/337	n/a	n/a	n/a
		MARTIN MARTI JO - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	834/478	n/a	n/a	n/a
		JONES HUGH LEROY ET UX - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	835/80	n/a	n/a	n/a
		BABLE KAROL LEE - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	834/416	n/a	n/a	n/a
		MILLER WILLIAM SCOTT ET UX - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	835/92	n/a	n/a	n/a
		BALDERSON GLADYS JANE - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	834/473	n/a	n/a	n/a
		DAVIS MARGARET ROBERTA - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	834/411	n/a	n/a	n/a
		PEARCE JUDITH - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	834/468	n/a	n/a	n/a
		WAT RICHARD DOUGLAS - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	836/300	n/a	n/a	n/a
		HARRIGAN RUTH ANN - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	835/75	n/a	n/a	n/a
		SCOLLICK LINDA FAYE - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	835/55	n/a	n/a	n/a
		OLIVER GERALD C - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	835/70	n/a	n/a	n/a
		OLIVER JOSEPH W - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	836/224	n/a	n/a	n/a
		SHARP JUDITH K - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	836/285	n/a	n/a	n/a
		OLIVER GERALD CLINTON - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	835/60	n/a	n/a	n/a
		JONES WENDELL W SR ET UX - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	838/464	n/a	n/a	n/a
ALLEN CARL DUDLEY ET UX - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	837/269	n/a	n/a	n/a		
WAVT HOLLY K - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	836/295	n/a	n/a	n/a		
OLIVER JOHN D - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	835/65	n/a	n/a	n/a		
CHAMBERS MIKE - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	836/214	n/a	n/a	n/a		
IANNARELLI TED ET UX - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	838/459	n/a	n/a	n/a		
HENDERSON CARRIE LEE - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	838/560	n/a	n/a	n/a		
OLIVER JAMES A - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	834/488	n/a	n/a	n/a		
MCGILL SUSAN MARIE - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	840/363	n/a	n/a	n/a		
MAY MICHAEL A - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	836/251	n/a	n/a	n/a		
ALLEN ROBERT LEO - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	854/114	n/a	n/a	n/a		
MANNELLA LAWRENCE ET UX - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	847/370	n/a	n/a	n/a		
MARTIN PEGGY - SFX	Chevron U.S.A. Inc. ✓	≥ 0.125	849/24	n/a	n/a	n/a		

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Freeland Unit #6H - BATCH 1 - MRCL FULL

Plat ID	Tax Parcel	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
NN	9-1-20.1	WHITE MICHAEL G ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	859/172	n/a	n/a	n/a
		HAMMEL DANIEL JOSEPH - SFX	Chevron U.S.A. Inc.	≥ 0.125	865/115	n/a	n/a	n/a
		HAMMEL DAVID ANTHONY SR - SFX	Chevron U.S.A. Inc.	≥ 0.125	865/302	n/a	n/a	n/a
		EVANS JAMES ROBERT SR - SFX	Chevron U.S.A. Inc.	≥ 0.125	865/297	n/a	n/a	n/a
		HUDSON ELIZABETH S - SFX	Chevron U.S.A. Inc.	≥ 0.125	868/36	n/a	n/a	n/a
		PATTERSON PAUL ET UX - SFX	Chevron U.S.A. Inc.	≥ 0.125	902/526	n/a	n/a	n/a
		PATTERSON RONALD L - SFX	Chevron U.S.A. Inc.	≥ 0.125	938/100	n/a	n/a	n/a
		DAVIS HEATHER LEE - SFX	Chevron U.S.A. Inc.	≥ 0.125	978/98	n/a	n/a	n/a
		PATTERSON JAMES - SFX	Chevron U.S.A. Inc.	≥ 0.125	889/338	n/a	n/a	n/a
		CNX GAS CO LLC	Chevron U.S.A. Inc.	≥ 0.125	1014/30	n/a	n/a	n/a

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