

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

Monday, September 21, 2020 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

TUG HILL OPERATING, LLC 380 SOUTHPOINTE BOULEVARD, PLAZA II SUITE 200 CANONSBURG, PA 15317

Permit Modification Approval for HUDSON S-13HU Re:

47-051-02293-00-00

Extended Lateral

TUG HILL OPERATING, 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: HUDSON S-13HU

Farm Name: CNX LAND LLC U.S. WELL NUMBER: 47-051-02293-00-00

Horizontal 6A New Drill Date Modification Issued: 9/18/2020

Promoting a healthy environment.



Oil and Gas Conservation Commission 601 57th Street SE, Charleston, WV 25304 304-414-1239

Randall M. Albert, Chairman dep.wv.gov

August 26, 2020

Department of Environmental Protection Office of Oil and Gas Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-051-02293 Modification

COMPANY: Tug Hill Operating, LLC

FARM: <u>CNX Land, LLC</u> <u>Hudson S-13HU</u>

COUNTY: Marshall DISTRICT: Meade QUAD: Glen Easton

The deep well review of the application for the above company is <u>Approved to drill to Trenton for Point Pleasant completion.</u>

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

- 1. Comments to Notice of Deviation filed? Yes; objection has been withdrawn
- 2. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners? Yes
- 3. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells: **yes
- 4. Provided a plat showing that the productive interval of the well meets the requirements of the Rules of the Commission W. Va. C.S.R. § 39-1-4.2.

Sincerely,

Susan Rose Administrator

 $[\]hbox{** Hudson S-12HU 47-051-02292; Hudson S-11HU 47-051-02296; Ten High 1N-20HU 47-051-02021, Ten High 1N-13HU 47-051-01965; Ten High 1S-17HU 47-051-02033; Fitzgerald S-18HU 47-051-02325; Fitzgerald S-19HU 47-051-02326} \\$



Oil and Gas Conservation Commission 601 57th Street SE, Charleston, WV 25304 304-414-1239

Randall M. Albert, Chairman dep.wv.gov

April 7, 2020

Chevron USA Inc. 700 Cherrington Pkwy Coraopolis PA 15108 9489 0090 0027 6201 4367 05

RE:

Intentional Deviation of New Deep Well Tug Hill Operating, LLC – Hudson S-13HU

Dear Sir and Ma'am:

Please be advised that Tug Hill Operating, LLC, has applied to the Oil and Gas Conservation Commission for approval to intentionally deviate a new deep well. The Code of State Regulations Title 39 Section 1.4.10 requires that the Commission notify the offset operators of the applicants' intent to deviate the proposed well. You are receiving this notice because you are listed as an offset operator (unleased mineral owner is also an "offset operator") to the proposed well. Any offset operator has ten days to object to the Commissions' granting approval to the proposed deviations. If you file an objection, the Commission will schedule a hearing and you will be notified of the date and time to attend.

A copy of the location plat is enclosed for your review. If no objection(s) are received within ten 10 days from the date of delivery, the application will be processed in the normal manner.

If you have any questions please call me at (304) 414-1239.

Sincerely,

Susan Rose Administrator

encl:





April 30, 2020

Dear Susan Rose:

The following is in response to your request for proof of delivery on your item with the tracking number: 9489 0090 0027 6201 4367 05.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: April 13, 2020, 1:43 pm

Location: CORAOPOLIS, PA 15108

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Shipment Details

Weight: 7lb, 7.4oz

Recipient Signature

Signature of Recipient:

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Address of Recipient:

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Sincerely, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004



Oil and Gas Conservation Commission 601 57th Street SE, Charleston, WV 25304 304-414-1239

Randall M. Albert, Chairman dep.wv.gov

April 7, 2020

CNX Gas Company 1000 Consol Energy Dr Canonsburg PA 15317 9489 0090 0027 6201 4361 12

RE:

Intentional Deviation of New Deep Well Tug Hill Operating, LLC – Hudson S-13HU

Dear Sir and Ma'am:

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Sincerely,

Susan Rose Administrator

encl:



April 30, 2020

Dear Susan Rose:

The following is in response to your request for proof of delivery on your item with the tracking number: 9489 0090 0027 6201 4367 12.

Item Details

Status: Delivered, Left with Individual

Status Date / Time: April 13, 2020, 10:56 am
Location: CANONSBURG, PA 15317

Postal Product: First-Class Mail®
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Return Receipt Electronic

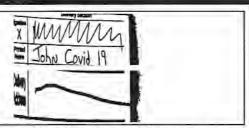
Shipment Details

Weight: 7lb, 7.5oz

Recipient Signature

Signature of Recipient:

Address of Recipient:



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Oil and Gas Conservation Commission 601 57th Street SE, Charleston, WV 25304 304-414-1239

Randall M. Albert, Chairman dep.wv.gov

April 7, 2020

TH Exploration, LLC 1320 S. University Dr Ste 500 Ft Worth TX 76107 9489 0090 0027 6201 4366 99

RE:

Intentional Deviation of New Deep Well

Tug Hill Operating, LLC - Hudson S-13HU

Dear Sir or Ma'am:

Please be advised that Tug Hill Operating, LLC, has applied to the Oil and Gas Conservation Commission for approval to intentionally deviate a new deep well. The Code of State Regulations Title 39 Section 1.4.10 requires that the Commission notify the offset operators of the applicants' intent to deviate the proposed well. You are receiving this notice because you are listed as an offset operator (unleased mineral owner is also an "offset operator") to the proposed well. Any offset operator has ten days to object to the Commissions' granting approval to the proposed deviations. If you file an objection, the Commission will schedule a hearing and you will be notified of the date and time to attend.

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Sincerely,

Susan Rose Administrator

encl:



April 30, 2020

Dear Susan Rose:

The following is in response to your request for proof of delivery on your item with the tracking number: 9489 0090 0027 6201 4366 99.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room

Status Date / Time: April 14, 2020, 12:41 pm Location: FORT WORTH, TX 76107

Postal Product: First-Class Mail®
Extra Services: Certified Mail™

Return Receipt Electronic

Shipment Details

Weight: 7lb, 7.6oz

Recipient Signature

Signature of Recipient:

JB R+#711 Covid-19

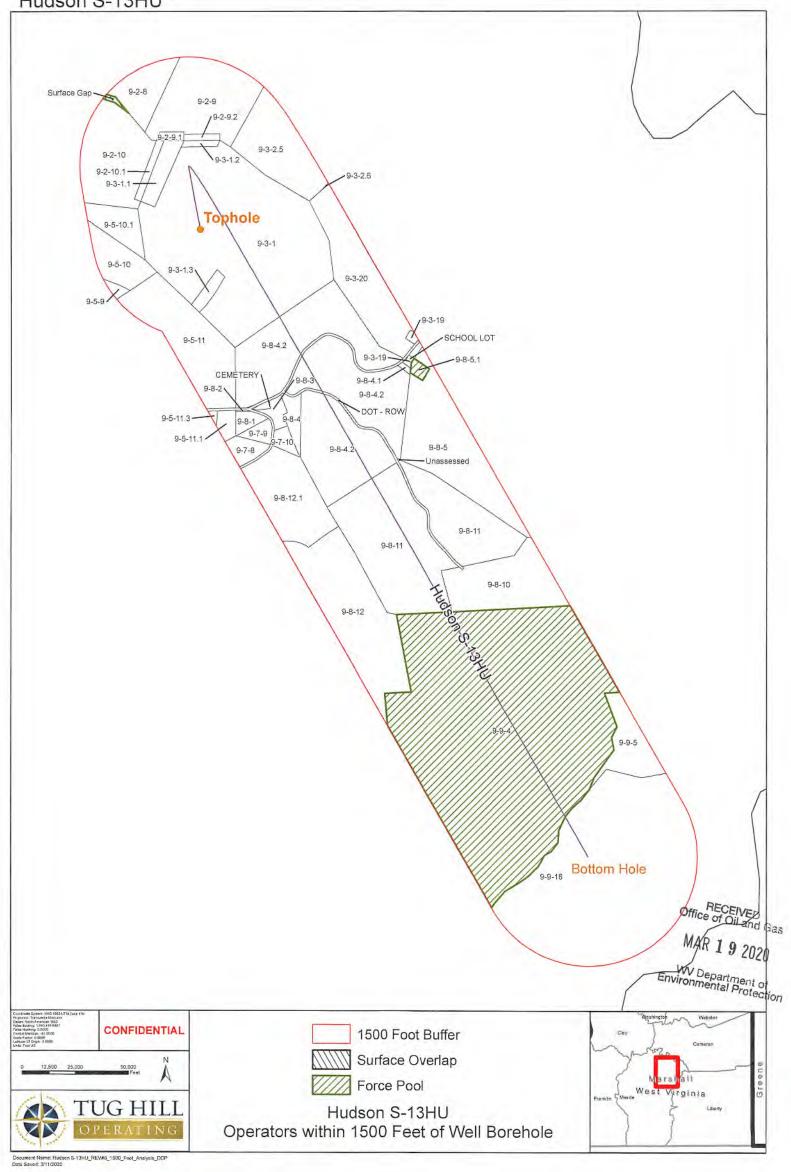
Address of Recipient:

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Sincerely, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004 Hudson S-13HU



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				1320 S. University Blvd.
				Suite 500
MARSHALL	MEADE	9-5-11.1 -	TH EXPLORATION LLC	Fort Worth,TX 76107
				1320 S. University Blvd.
				Suite 500
MARSHALL	MEADE	9-5-11.3	TH EXPLORATION LLC	Fort Worth,TX 76107
				1320 S. University Blvd.
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				1320 S. University Blvd.
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MARSHALL	MEADE	9-8-4.2	TH EXPLORATION LLC	Fort Worth,TX 76107
				1320 S. University Blvd.
				Suite 500
MARSHALL	MEADE	9-8-5 -	TH EXPLORATION LLC	Fort Worth,TX 76107
				700 Cherrington Pkwy
MARSHALL	MEADE	9-8-5.1	CHEVRON USA INC	Moon, PA 15108
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			THE EVEN OF ATTRACT	Suite 500 2020
MARSHALL	MEADE	9-9-5 ~	TH EXPLORATION LLC	Fort Worth,TX 76107 WV Department of Protection
				1320 S. University Blvd.
			TH EVEL OF A TION : -	Suite 500
MARSHALL	MEADE	9-9-16	TH EXPLORATION LLC	Fort Worth,TX 76107

		•	erators within 1500' dson S - 13HU	
County	District	Parcel	Owner	Address
				700 Cherrington Pkwy
MARSHALL	MEADE	9-2-8	CHEVRON USA INC	Moon, PA 15108
				700 Cherrington Pkwy
MARSHALL	MEADE	9-2-9	CHEVRON USA INC	Moon, PA 15108
				700 Cherrington Pkwy
MARSHALL	MEADE	9-2-9.1	CHEVRON USA INC	Moon, PA 15108
				1000 Consol Energy Drive
MARSHALL	MEADE	9-2-9.2	CNX GAS COMPANY	Canonsburg, PA 15317
				700 Cherrington Pkwy
MARSHALL	MEADE	9-2-9.2	CHEVRON USA INC	Moon, PA 15108
				1320 S. University Blvd.
				Suite 500
MARSHALL	MEADE	9-2-10	TH EXPLORATION LLC	Fort Worth,TX 76107
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				Suite 500
MARSHALL	MEADE	9-2-10.1	TH EXPLORATION LLC	Fort Worth,TX 76107
				1320 S. University Blvd.
				Suite 500
MARSHALL	MEADE	9-3-1	TH EXPLORATION LLC	Fort Worth,TX 76107
				1320 S. University Blvd.
				Suite 500
MARSHALL	MEADE	9-3-1.1	TH EXPLORATION LLC	Fort Worth,TX 76107
				700 Cherrington Pkwy
MARSHALL	MEADE	9-3-1.1	CHEVRON USA INC	Moon, PA 15108
				1320 S. University Blvd.
				Suite 500
MARSHALL	MEADE	9-3-1.2	TH EXPLORATION LLC	Fort Worth,TX 76107
				700 Cherrington Pkwy
MARSHALL	MEADE	9-3-1.2 -	CHEVRON USA INC	Moon, PA 15108
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MARSHALL	MEADE	9-3-1.2	CNX GAS COMPANY	Canonsburg, PA 15317
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MARSHALL	MEADE	3-2-10	IN EXPLORATION LLC	1220 S. University Plan
				Suite 500
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MARSHALL	MEADE	9-5-10.1	TH EXPLORATION LLC	Fort Worth,TX 76107
				1320 S. University Blvd.
BAA DOLLA		0.544	THE EVEL OF ATTION 110	Suite 500
MARSHALL	MEADE	9-5-11	TH EXPLORATION LLC	Fort Worth,TX 76107

WW-6B (04/15) API NO. 47-4517 Q 5 1 0 2 2 9 3

OPERATOR WELL NO. Hudson S-13HU
Well Pad Name: Hudson

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

1) Well Operator: T	ug Hill Ope	erating, LLC	;	494510851	Marshall	Meade	Glen Easton 7.5'
· •				Operator ID	County	District	Quadrangle
2) Operator's Well N	umber: Hu	dson S-13H	U	Well P	ad Name: Hud	son	
3) Farm Name/Surfac	ce Owner:	CNX Land, I	LC	Public Ro	oad Access: Ro	berts Ridge	e Road (CR 21)
4) Elevation, current	ground:	1370'	_ El	evation, propose	d post-construct	ion: 1344.	81'
5) Well Type (a) G	as x	Oil		Un	derground Stora	ige	
Other	r						
(b)If	Gas Sha	llow		Deep	X		
	Hor	izontal <u>X</u>				gu,	11/2000
6) Existing Pad: Yes	or No No					0 31	" [
7) Proposed Target Formation Point Pleasant is the target formation	` '				1	Pressure(s):	
8) Proposed Total Ve	rtical Deptl	ı: 11,957'					
9) Formation at Total	Vertical D	epth: Trente	on,	plug back to Re	edsville		RECEIVED
10) Proposed Total M	seasured De	epth: 22,35	1'				Office of Oil and Gas
11) Proposed Horizor	ntal Leg Lei	ngth: 10,15	0.6	6'			MAR 1 9 2020
12) Approximate Fres	sh Water St	rata Depths:		70' ; 978'		E	WV Department of environmental Protection
13) Method to Detern	nine Fresh	Water Depths	s: _	Offset well reports or	noticeable flow at th	ne flowline or w	hen need to start soaping
14) Approximate Salt	water Dept	hs: <u>2,167'</u>	_				
15) Approximate Coa	ıl Seam De _l	oths: Sewick	dey	Coal - 886' ; Pit	tsburgh Coal -	972'	
16) Approximate Dep	oth to Possil	ole Void (coa	ıl mi	ne, karst, other):	none		
17) Does Proposed widirectly overlying or a				ns Yes X	No)	
(a) If Yes, provide N	Mine Info:	Name: _	Mars	shall County Co	al Co./Marshall	County Mi	ne
		Depth: 1	059	'TVD and 291'	subsea level		
		Seam: P	ittsb	ourgh #8			
		Owner: N	lurra	ay Energy / Con	solidated Coal	Co.	

API NO. 47-2105102203

OPERATOR WELL NO. Hudson ST3H0 3

Well Pad Name: Hudson

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30"	NEW	BW	BW	120'	120'	259FT^3(CTS)
Fresh Water	20"	NEW	J55	106.5#	1070'	1070'	1,719FT^3(CTS)
Coal	13 3/8"	NEW	J55	54.5#	2840'	2840'	2,002FT^3(CTS)
Intermediate	9 5/8"	NEW	HPP110	47#	10,580'	10,580'	3,452FT^3(CTS)
Production	5 1/2"	NEW	P110	23#	22,351'	22,351'	5,300FT^3(CTS)
Tubing	2 7/8"	NEW	P110	6.5#		11,248'	
Liners							

9/17/2020

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	36"	1.0	2,333	1,866	CLASS A	1.2
Fresh Water	20"	26"	.5	2,410	1,928	SEE # 24	1.2
Coal	13 3/8"	17 1/2"	.38	2,740	2,192	SEE #24	1.2
Intermediate	9 5/8"	12 1/4"	.472	10,730	6,968	SEE #24	1.99
Production	5 1/2"	8 1/2"	.415	16,510	10,864	SEE #24	1.18
Tubing	2 7/8"			-11,385 °KL	- 11,624 _{K.K}		
Liners				11624	11385		

RECEIVED
Office of Oil and Gas

PACKERS

SEP 17 2020

Kind:	N/A	WV Department of Environmental Protection
Sizes:	N/A	
Depths Set:	N/A	

WW-6B	
(10/14)	

API NO. 47- 051 - OPERATOR WELL NO. Hudson S-13HU
Well Pad Name: Hudson

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

Drill through the Point Pleasant and TD Pilot Hole 150' into the Trenton. Log vertical section and run a solid cement plug back to proposed KOP (10,748'). Drill curve and lateral per proposed well plan, run and cement production casing. Perform CBL from 60 deg to surface, make cleanout run, and stimulate.

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

Well to be completed with approximately 25,372,500 lb proppant and 392,277 bbl of water. Max rate = 80 bpm; max psi = 12,000#.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 22.94 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 6.18 acres
- 23) Describe centralizer placement for each casing string:

Will run 3 centralizers on surface casing at equal distance. Intermediate will have 1 centralizer every third joint. Production casing will have one centralizer every third joint in lateral, one centralizer every joint through curve, one centralizer every third joint to surface.

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

*See Attachment

RECEIVED
Office of Oil and Gas

MAR 1 9 2020

WV Department of Environmental Protection

25) Proposed borehole conditioning procedures:

Will circulate a minimum of 3 hours at TD, short trip to curve, circulate bottoms up, check for flow, POOH

^{*}Note: Attach additional sheets as needed.



20" Csg @ 1,070' MD /

13 3/8" Csg @ 2,880" MD /

9 5/8" Csg @ 10,580" MD /

KOP @

2,800' TVD

10,528' TVD

10,748' ft MD

Hudson S-13HU WELL NAME: STATE: DISTRICT: DF Elev: Meade 30° Csg @ 1,344 22.351 120' TVD TH Latitude: 39.828667 TH Longitude: -80.672718 39.805044 BH Latitude: BH Longitude: -80,653789

Formation	Depth TVD
Deepest Fresh Water	978'
Sewickley Coal	886'
Pittsburgh Coal	972'
Big Lime	2,123'
Berea	2,741'
Tully	6,687
Marcellus	6,800'
Onondaga	5,852
Salina	7,575'
Lockport	8,584'
Utica	11,406
Point Pleasant	11,674"
Landing Depth	11,724'
Trenton	11,807"
Pilot Hole TD	11,957

COUNTY:

GL Elev:

Marshall

1,344

CASING SUMMARY										
Туре	Hale Size (in)	Csg Size (in)	Depth (MD)	Depth (TVD)	Weight (lb/ft)	Grade	Top of Cemen			
Conductor	36	30	1201	120	BW	BW	Surface			
Surface	26	20	1,070	1,070'	106.5	155	Surface			
Intermediate 1	17 1/2	13 3/8	2,840	2,840'	54,5	155	Surface			
Intermediate 2	12 1/4	9.5/8	10,580'	10,528'	47	HPP110	Surface			
Production	81/2	5 1/2	22,351'	11,901	23	HCP110	Surface			

CEMENT SUMMARY				DRILLING DETAILS				
	Sacks	Class	Density	Fluid Type	Centralizer Notes			
Conductor	338	A	15.6	Air	None			
Surface	1,854	A	15.6	Air	3 Centralizers at equal distance			
Intermediate 1	2,170	A	15	Air	1 Centralizer every other jt			
Intermediate 2	2,892	A	14.5	Air	1 Centralizer every other jt			
Production	4,684	A	15	Air / SOBM	1 every other joint in lateral; 1 per joint in curve; 1 every other jt to sft			

Pilot Hole PH TO @ 11,957 PH TVD = 150' below Trenton Top

Landing Point @ 12,202 MD / 11,724 TVD

RECEIVED Office of Oil and Gas

SEP 17 2020

WV Department of **Environmental Protection** 22,351' ft MD

11,901 R TVD



Tug Hill Operating, LLC Casing and Cement Program

Hudson S-13HU

	Casing											
	String	Grade	Bit Size	Depth (Measured)	Cement Fill Up							
Conductor	30"	BW	36"	120'	CTS							
Surface	20"	J55	26"	1,070'	CTS							
Intermediate 1	13 3/8"	J55	17 1/2"	2,840'	CTS							
Intermediate 2	9 5/8"	HPP110	12 1/4"	10,580'	CTS							
Production	5 1/2"	HCP110	8 1/2"	22,351'	CTS							

Cement

Surface:	Premium NE-1	+ 2% bwo	: CaC12 +	46.5%	Fresh	Water -	Surface	Cement	mixed a	t 15.6	ppg.	Y=1.	2

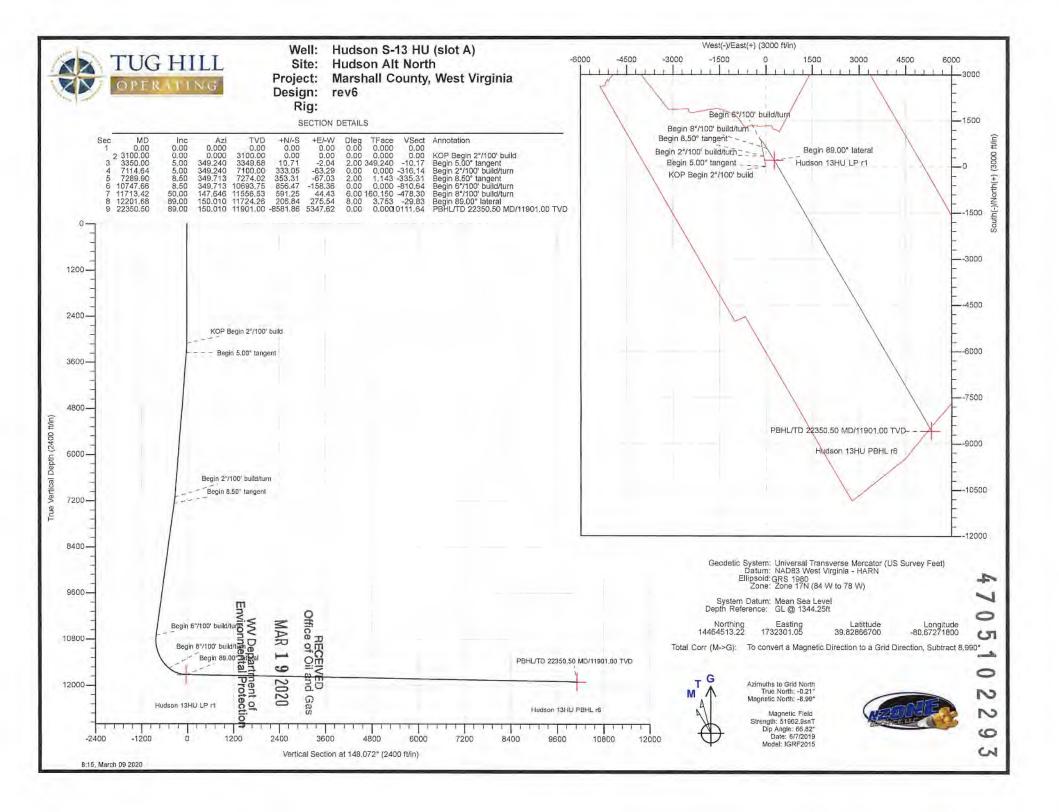
Intermediate 1: Premium NE-1 + 1% bwoc CaC12 + 46.5% Fresh Water – Intermediate Cement mixed at 15.6 ppg, Y=1.2

Intermediate 2: Premium NE-1 + 1% bwoc CaC12 + 46.5% Fresh Water – Intermediate Cement mixed at 15.6 ppg, Y=1.99

50:50 Poz: Premium NE-1 + .1% bwoc ASA-301 + 60lb/sk ASCA-1 + .35% bwoc BA-10A + .25% bwoc MPA-170,
Production: 44 lb sack + .5% bwoc R-3 + .75 gals/100sk FP-13L - Production Cement mixed at 15.2ppg, Y = 1.18

RECEIVED
Office of Oil and Gas

SEP 17 2020



Planning Report - Geographic

4705102293

Database: Company: Project:

DB_Aug1919_v14 Tug Hill Operating LLC Marshall County, West Virginia

Site: Well: Hudson Alt North Hudson S-13 HU (slot A)

Wellbore: Original Hole Design: rev6

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Hudson S-13 HU (slot A)

GL @ 1344.25ft GL @ 1344.25ft

Grid

Minimum Curvature

Project

Marshall County, West Virginia

Map System: Geo Datum:

Map Zone:

Universal Transverse Mercator (US Survey Feet)

NAD83 West Virginia - HARN

Zone 17N (84 W to 78 W)

System Datum:

Mean Sea Level

Hudson Alt North Site

Site Position: From:

Lat/Long

Northing: Easting:

14,464,552.10 usft 1,732,278.45 usft

Latitude: Longitude:

39.82877400 -80 67279800

Position Uncertainty:

0.00 ft Slot Radius: 13-3/16 "

Grid Convergence:

0.210

Well

Hudson S-13 HU (slot A)

Well Position

+N/-S +E/-W 0.00 ft 0.00 ft Northing: Easting:

14,464,513.22 usft 1,732,301.05 usft Latitude: Longitude:

39.82866700 -80.67271800

Position Uncertainty

0.00 ft

Wellhead Elevation:

6/7/2019

Ground Level:

66.819

1,344.25 ft

Wellbore

Original Hole

Model Name Magnetics

Sample Date

Declination (°)

Dip Angle (°)

Field Strength

(nT) 51,962.85953712

Design

rev6

Audit Notes:

Version:

Vertical Section:

Phase: Depth From (TVD)

(ft)

0.00

PLAN

Tie On Depth: +E/-W (ft)

0.00

-8.780

Plan Survey Tool Program

0.00

Depth From

(ft)

Date 3/9/2020

22,350.50 rev6 (Original Hole)

Depth To

(ft)

IGRF2015

Survey (Wellbore)

Tool Name

MWD - Standard

MWD

+N/-S

(ft)

0.00

Remarks

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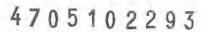
0.00

Direction

(°)

148.072

an Sections										
Measured Depth (ft)	Inclination (°)	Azimuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
3,100.00	0.00	0.000	3,100.00	0.00	0.00	0.00	0.00	0.00	0.000	
3,350.00	5.00	349.240	3,349.68	10.71	-2.04	2.00	2.00	0.00	349.240	
7,114.64	5.00	349.240	7,100.00	333.05	-63.29	0.00	0.00	0.00	0.000	
7,289.90	8.50	349.713	7,274.02	353.31	-67.03	2.00	2.00	0.27	1.143	
10,747.66	8.50	349.713	10,693.75	856.47	-158.36	0.00	0.00	0.00	0.000	
11,713.42	50.00	147.646	11,556.53	591.25	44.43	6.00	4.30	16.35	160.150	
12,201.68	89.00	150.010	11,724.26	206.84	275.54	8.00	7.99	0.48	3.753	
22,350.50	89.00	150.010	11,901.00	-8,581.86	5,347.62	0.00	0.00	0.00	0.000	Hudson 13HU PBHL





Database: Company; Project: DB_Aug1919_v14
Tug Hill Operating LLC
Marshall County, West Virginia

Site: Hudson Alt North
Well: Hudson S-13 HU (slot A)

Wellbore: Original Hole
Design: rev6

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Hudson S-13 HU (slot A)

GL @ 1344.25ft GL @ 1344,25ft Grid

Minimum Curvature

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nned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
				4-1			200	-11.00	
0.00	0.00	0.000	0.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
100.00	0.00	0.000	100.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
200.00	0.00	0.000	200.00	0.00	0.00	14,464,513,22	1,732,301.05	39.82866700	-80.67271
300,00	0.00	0.000	300.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80,67271
400.00	0.00	0.000	400.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
500,00	0.00	0.000	500.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
600.00	0.00	0.000	600.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
700,00	0.00	0.000	700.00	0.00	0.00	14,464,513.22	1,732,301.05	39,82866700	-80.67271
800,00	0.00	0.000	800.00	0.00	0,00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
900.00	0.00	0.000	900.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
1,000.00	0.00	0.000	1,000.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
1,100.00	0.00	0.000	1,100.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
1,200.00	0.00	0.000	1,200.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
1,300.00	0.00	0.000	1,300.00	0.00	0,00	14,464,513.22	1,732,301.05	39,82866700	-80.67271
1,400.00	0.00	0,000	1,400.00	0.00	0,00	14,464,513.22	1,732,301.05	39,82866700	-80,67271
1,500.00	0.00	0.000	1,500.00	0.00	0.00	14,464,513.22	1,732,301.05	39,82866700	-80.67271
1,600.00	0.00	0.000	1,600.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80,67271
1,700.00	0.00	0.000	1,700.00	0.00	0.00	14,464,513.22	1,732,301.05	39,82866700	-80.67271
1,800.00	0.00	0,000	1,800,00	0.00	0,00	14,464,513.22	1,732,301.05	39,82866700	-80.67271
1,900.00	0.00	0.000	1,900.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
2,000.00	0.00	0.000	2,000.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
2,100.00	0.00	0.000	2,100.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80,67271
2,200.00	0.00	0.000	2,200.00	0.00	0.00	14,464,513.22	1,732,301.05	39,82866700	-80.67271
2,300.00	0.00	0.000	2,300.00	0.00	0.00	14,464,513.22	1,732,301.05	39,82866700	-80.67271
2,400.00	0.00	0.000	2,400.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
2.17		0.000			0.00		The state of the s		
2,500.00	0.00		2,500.00	0.00		14,464,513.22	1,732,301.05	39.82866700	-80.67271
2,600.00	0.00	0.000	2,600.00	0,00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
2,700.00	0.00	0.000	2,700.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
2,800.00	0.00	0.000	2,800.00	0,00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
2,900.00	0.00	0.000	2,900.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
3,000.00	0.00	0.000	3,000.00	0.00	0.00	14,464,513.22	1,732,301.05	39.82866700	-80.67271
3,100.00	0.00	0.000	3,100.00	0.00	0.00	14,464,513,22	1,732,301.05	39.82866700	-80.67271
KOP Beg	jin 2°/100' bui	ld							
3,200.00	2.00	349.240	3,199.98	1.71	-0.33	14,464,514.93	1,732,300.73	39.82867171	-80.67271
3,300.00	4.00	349.240	3,299.84	6.86	-1.30	14,464,520.07	1,732,299.75	39.82868584	-80.67272
3,350.00	5,00	349.240	3,349.68	10.71	-2.04	14,464,523.93	1,732,299.02	39,82869643	-80,67272
Begin 5.0	00° tangent								
3,400.00	5.00	349.240	3,399.49	14.99	-2.85	14,464,528.21	1,732,298.20	39.82870820	-80.67272
3,500.00	5.00	349.240	3,499.11	23.55	-4.48	14,464,536.77	1,732,296.58	39.82873173	-80.67273
3,600.00	5.00	349.240	3,598.73	32.12	-6,10	14,464,545.33	1,732,294.95	39.82875526	-80.67273
3,700.00	5.00	349.240	3,698.35	40.68	-7.73	14,464,553.90	1,732,293.32	39.82877879	-80.67274
3,800.00	5.00	349.240	3,797.97	49.24	-9.36	14,464,562.46	1,732,291.70	39.82880232	-80.67275
3,900,00	5.00	349.240	3,897.59	57.80	-10.98	14,464,571.02	1,732,290.07	39,82882585	-80,67275
4,000.00	5,00	349.240	3,997.21	66.36	-12.61	14,464,579.58	1,732,288.44	39.82884938	-80.67276
4,100.00	5.00	349,240	4,096.83	74.93	-14.24	14,464,588.15	1,732,286.81	39.82887291	-80.67276
4,200.00	5.00	349,240	4,196,45	83.49	-15.87	14,464,596.71	1,732,285.19	39,82889644	-80,67277
4,300.00	5.00	349,240	4,296,07	92.05	-17,49	14,464,605.27	1,732,283.56	39,82891997	-80,67277
4,400.00	5.00	349,240	4,395,69	100.61	-19.12			39,82894350	-80.67278
4,500.00	5.00	349,240	4,495,31	100.61	-19.12	14,464,613.83	1,732,281,93 1,732,280,31	39,82896703	-80.67279
		349,240				14,464,622,40 14,464,630.96			
4,600.00	5.00		4,594.93	117.74	-22.37		1,732,278.68	39.82899056	-80.67279
4,700.00	5.00	349.240	4,694.55	126.30	-24.00	14,464,639,52	1,732,277.05	39.82901409	-80.67280
4,800.00	5.00	349.240	4,794.17	134.86	-25.63	14,464,648.08	1,732,275.42	39.82903763	-80.67280
4,900.00	5.00	349.240	4,893.78	143.43	-27.26	14,464,656.64	1,732,273.80	39.82906116	-80.67281
5,000.00	5.00	349.240	4,993.40	151.99	-28.88	14,464,665.21	1,732,272,17	39.82908469	-80.67281

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4705102293

Database: Company: Project:

DB_Aug1919_v14 Tug Hill Operating LLC Marshall County, West Virginia

Hudson Alt North Site: Hudson S-13 HU (slot A) Well:

Wellbore: Original Hole Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference: Survey Calculation Method: GL @ 1344.25ft

GL @ 1344.25ft Grid

Minimum Curvature

Well Hudson S-13 HU (slot A) Office of Oil and Gas

MAR 1 9 2020

sign:	rev6								
anned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W (fit)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,100.00	5.00	349.240	5,093.02	160,55	-30.51	14,464,673.77	1,732,270.54	39.82910822	-80,672824
5,200.00	5.00	349.240	5,192.64	169.11	-32.14	14,464,682.33	1,732,268.92	39.82913175	-80,672830
5,300.00	5.00	349.240	5,192.04	177.68	-33.76	14,464,690.89	1,732,265.32	39,82915528	-80.672835
5,400.00	5.00	349.240	5,391.88	186.24	-35.39	14,464,699,46	1,732,265.66	39.82917881	-80.672841
5,500.00	5.00	349,240	5,491.50	194.80	-37.02	14,464,708.02	1,732,264,03	39.82920234	-80,672847
5,600.00	5.00	349,240	5,591.12	203,36	-38.65	14,464,716,58	1,732,262.41	39,82922587	-80.672853
5,700.00	5.00	349.240	5,690.74	211.92	-40.27	14,464,725.14	1,732,260.78	39.82924940	-80.672858
5,800.00	5.00	349.240	5,790.36	220.49	-41.90	14,464,733.71	1,732,259.15	39.82927293	-80.67286
5,900.00	5.00	349.240	5,889.98	229.05	-43.53	14,464,742.27	1,732,257.53	39.82929646	-80.67287
6,000.00	5.00	349.240	5,989.60	237.61	-45.15	14,464,750.83	1,732,255.90	39.82931999	-80.67287
6,100.00	5.00	349.240	6,089.22	246.17	-46.78	14,464,759.39	1,732,254.27	39.82934352	-80.67288
6,200.00	5.00	349.240	6,188.84	254.74	-48.41	14,464,767.95	1,732,252.64	39.82936705	-80.67288
6,300.00	5.00	349.240	6,288.46	263.30	-50.04	14,464,776.52	1,732,251.02	39.82939058	-80,67289
6,400.00	5.00	349.240	6,388.08	271.86	-51.66	14,464,776.32	1,732,249.39	39.82941411	-80,67289
6,500.00	5,00	349.240	6,487.70	280,42	-53,29	14,464,793.64	1,732,249,39	39.82943764	-80,67290
	5,00	349.240	6,587.32	288,99	-54.92	14,464,802,20	1,732,246.14	39.82946117	-80,67290
6,600.00	5,00	349.240	6,686.94	297.55	-56.55	14,464,810.77	1,732,244.51	39.82948470	-80.67291
6,700.00	5.00	349.240	6,786.55	306.11	-58.17	14,464,819.33	1,732,242.88	39.82950823	-80.67292
6,900.00	5.00	349.240	6,886.17	314.67	-59.80	14,464,827.89	1,732,241.25	39.82953176	-80.67292
1.0.00001	5.00	349.240		323,23	-61.43			39,82955529	-80.67293
7,000.00		349.240	6,985.79	331.80	-63.05	14,464,836.45	1,732,239.63 1,732,238.00	39.82957883	-80.67293
7,100.00	5.00		7,085.41	333.05	-63.29	14,464,845.02			
7,114.64		349.240	7,100.00	333,03	-03.29	14,464,846.27	1,732,237.76	39.82958227	-80,67293
7 - 244 345 47 - 24	/100' build/tur			411.44			1 700 000 10	00.00000000	00.07004
7,200.00	6.71	349.532	7,184.91	341.61	-64.89	14,464,854.83	1,732,236.16	39.82960578	-80.67294
7,289,90	8,50	349.713	7,274.02	353,31	-67.03	14,464,866.53	1,732,234.02	39.82963795	-80.67295
	50° tangent				722.77	V0 047 356 35	107170122	THE STATUSTS	TO TOTAL
7,300.00	8.50	349.713	7,284.00	354.78	-67.30	14,464,868.00	1,732,233.75	39.82964199	-80.67295
7,400.00	8,50	349.713	7,382,90	369.33	-69.94	14,464,882.55	1,732,231.11	39.82968198	-80.67296
7,500.00	8,50	349,713	7,481.80	383.88	-72.58	14,464,897.10	1,732,228.47	39.82972196	-80.67297
7,600,00	8,50	349.713	7,580.70	398.44	-75.22	14,464,911.65	1,732,225.83	39.82976195	-80.67298
7,700.00	8.50	349.713	7,679.60	412.99	-77.86	14,464,926.21	1,732,223.19	39.82980194	-80.67298
7,800.00	8.50	349.713	7,778.51	427.54	-80.51	14,464,940.76	1,732,220.55	39.82984193	-80.67299
7,900.00	8,50	349.713	7,877.41	442.09	-83,15	14,464,955.31	1,732,217.91	39.82988192	-80.67300
8,000,00	8,50	349.713	7,976.31	456.64	-85.79	14,464,969.86	1,732,215,26	39.82992190	-80.67301
8,100.00	8.50	349.713	8,075.21	471.19	-88.43	14,464,984.41	1,732,212.62	39.82996189	-80.67302
8,200.00	8.50	349.713	8,174.11	485.74	-91.07	14,464,998.96	1,732,209.98	39.83000188	-80.67303
8,300.00	8,50	349.713	8,273.01	500.30	-93.71	14,465,013.51	1,732,207.34	39.83004187	-80.67304
8,400.00	8.50	349.713	8,371.91	514.85	-96.35	14,465,028.07	1,732,204.70	39.83008186	-80.67305
8,500.00	8.50	349.713	8,470.81	529.40	-98.99	14,465,042.62	1,732,202.06	39.83012184	-80.67306
8,600.00	8.50	349.713	8,569.71	543.95	-101.64	14,465,057.17	1,732,199.42	39.83016183	-80.67307
8,700.00	8,50	349.713	8,668.61	558.50	-104.28	14,465,071.72	1,732,196.78	39.83020182	-80.67308
8,800.00	8.50	349.713	8,767.51	573.05	-106.92	14,465,086.27	1,732,194.14	39.83024181	-80.67309
8,900.00	8.50	349.713	8,866.41	587.60	-109.56	14,465,100.82	1,732,191.49	39.83028180	-80.67310
9,000.00	8,50	349.713	8,965.31	602.16	-112.20	14,465,115.37	1,732,188.85	39.83032178	-80.67310
9,100.00	8,50	349.713	9,064.21	616.71	-114.84	14,465,129.93	1,732,186,21	39,83036177	-80.67311
9,200.00	8.50	349,713	9,163,11	631.26	-117.48	14,465,144.48	1,732,183.57	39.83040176	-80.67312
9,300.00	8.50	349.713	9,262.01	645.81	-120.12	14,465,159.03	1,732,180.93	39.83044175	-80.67313
9,400.00	8,50	349.713	9,360.91	660,36	-122.76	14,465,173.58	1,732,178.29	39.83048174	-80.67314
9,500.00	8.50	349.713	9,459,81	674.91	-125.41	14,465,188.13	1,732,175.65	39.83052172	-80.67315
9,600.00	8.50	349.713	9,558.71	689.46	-128.05	14,465,202,68	1,732,173.01	39.83056171	-80,67316
9,700.00	8.50	349.713	9,657.61	704.02	-130.69	14,465,217.23	1,732,170.37	39.83060170	-80.673174
9,800.00	8.50	349.713	9,756.51	718.57	-133,33	14,465,231.79	1,732,167.72	39.83064169	-80.673183
9,900.00	8.50	349.713	9,855.41	733.12	-135.97	14,465,246.34	1,732,165.08	39.83068168	-80.673193
10,000.00	8.50	349.713	9,954.31	747.67	-138.61	14,465,260.89	1,732,162.44	39.83072167	-80.67320





Database: Company: Project: DB_Aug1919_v14 Tug Hill Operating LLC Marshall County, West Virginia

Site: Well: Hudson Alt North Hudson S-13 HU (slot A)

Wellbore: Design: Original Hole

rev6

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Hudson S-13 HU (slot A)

GL @ 1344.25ft GL @ 1344.25ft

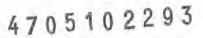
Grid

Minimum Curvature

Office of Oil and Gas

MAR 1 9 2020

Measured Depth	beallmetter	Aminocialis	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting	En	WV Department of vironmental Protect
(ft)	Inclination (°)	Azimuth (°)	(ft)	+N/-S (ft)	ft)	(usft)	(usft)	Latitude	Longitude
10,100.00	8.50	349.713	10,053.21	762.22	-141.25	14,465,275.44	1,732,159.80	39,83076165	-80,67321120
10,200.00	8.50	349.713	10,152.11	776.77	-143.89	14,465,289.99	1,732,157,16	39,83080164	-80,67322042
10,300.00	8.50	349.713	10,251.01	791.33	-146,53	14,465,304.54	1,732,154,52	39.83084163	-80.67322964
10,400.00	8,50	349.713	10,349,91	805.88	-149,18	14,465,319.09	1,732,151.88	39.83088162	-80.67323885
10,500,00	8,50	349,713	10,448.81	820.43	-151.82	14,465,333.65	1,732,149.24	39,83092161	-80.67324807
10,600.00	8.50	349.713	10,547.72	834.98	-154.46	14,465,348.20	1,732,146.60	39.83096159	-80,67325729
10,700.00	8.50	349,713	10,646.62	849.53	-157.10	14,465,362.75	1,732,143.95	39.83100158	-80.67326651
10,747.66	8.50	349.713	10,693.75	856.47	-158,36	14,465,369.68	1,732,142.70	39.83102064	-80.67327090
	/100' build/tur		A See Carrie	7.33	100000		0.000		
10,800.00	5.65	0.601	10,745.69	862.85	-159.02	14,465,376.07	1,732,142.03	39.83103819	-80.67327318
10,900.00	3.09	81.582	10,845,46	868.18	-156,30	14,465,381.39	1,732,144.75	39,83105278	-80,67326341
11,000.00	7.69	128.203	10,945.03	864.43	-148.36	14,465,377.65	1,732,152.69	39.83104241	-80.67323520
11,100.00	13.44	137.918	11,043.30	851.66	-135.31	14,465,364.87	1,732,165.75	39.83100720	-80.67318885
11,200.00	19.34	141.828	11,139.20	829.99	-117.27	14,465,343.21	1,732,183.79	39.83094752	-80.67312488
11,300.00	25.29	143.955	11,231,87	799.68	-94,44	14,465,312.89	1,732,206.61	39.83086404	-80,67304398
		145.312	11,319.70	761.04	-67.09		1,732,233.97	39.83075766	-80.67294704
11,400.00	31.25		7.77	714.51	-35.50	14,465,274.26	1,732,265.56		-80.67283512
11,500.00	37.23	146.270	11,402.33	660.59	-0.02	14,465,227.73 14,465,173.81	Towns - Pressure	39.83062956	-80.67270946
11,600.00	43.21	146.996	11,478.66				1,732,301.03	39.83048113	
11,700.00	49.20	147.576	11,547.83	599.88	38.96	14,465,113.09	1,732,340.01	39.83031401	-80.67257142
11,713.42	50.00	147.646	11,556.53	591.25	44.43	14,465,104.47	1,732,345.48	39.83029026	-80.67255204
	/100' build/tur		53 500 500						4000000000
11,800.00	56.91	148.186	11,608,05	532.34	81.34	14,465,045.56	1,732,382.40	39.83012811	-80.67242132
11,900.00	64.90	148,713	11,656.64	457.93	127.02	14,464,971.15	1,732,428.07	39.82992330	-80.67225961
12,000.00	72.89	149.175	11,692.62	378.07	175.10	14,464,891.29	1,732,476.15	39.82970350	-80.67208940
12,100.00	80.88	149.598	11,715.29	294.32	224.65	14,464,807.53	1,732,525.70	39.82947300	-80.67191400
12,200.00	88.87	150,003	11,724.22	208.30	274.70	14,464,721.52	1,732,575.76	39.82923628	-80.67173683
12,201.68	89.00	150,010	11,724,26	206.84	275.54	14,464,720.06	1,732,576.60	39.82923227	-80.67173385
Begin 89	0.00° lateral								
12,300.00	89.00	150.010	11,725.97	121.70	324.68	14,464,634.92	1,732,625.73	39.82899796	-80.67155995
12,400.00	89.00	150.010	11,727.71	35.11	374.66	14,464,548.32	1,732,675.71	39.82875964	-80.67138308
12,500.00	89.00	150.010	11,729.45	-51.49	424.63	14,464,461.73	1,732,725.69	39.82852132	-80.67120620
12,600.00	89.00	150.010	11,731.19	-138.09	474.61	14,464,375.13	1,732,775.66	39.82828299	-80.67102933
12,700.00	89.00	150,010	11,732.93	-224,69	524.59	14,464,288.53	1,732,825,64	39.82804467	-80.67085245
12,800.00	89.00	150,010	11,734,68	-311.29	574.57	14,464,201,93	1,732,875.62	39.82780635	-80.67067558
12,900.00	89.00	150.010	11,736.42	-397.89	624.54	14,464,115.33	1,732,925.59	39.82756802	-80.67049871
13,000.00	89.00	150,010	11,738.16	-484.48	674.52	14,464,028.74	1,732,975.57	39,82732970	-80.67032184
13,100.00	89.00	150.010	11,739.90	-571.08	724.50	14,463,942.14	1,733,025.55	39.82709137	-80.67014497
13,200.00	89.00	150.010	11,741.64	-657,68	774.47	14,463,855,54	1,733,075.52	39.82685305	-80.66996810
13,300.00	89.00	150.010	11,743.38	-744.28	824.45	14,463,768.94	1,733,125.50	39.82661473	-80.66979124
13,400.00	89.00	150.010	11,745.12	-830.88	874.43	14,463,682.34	1,733,175.48	39.82637640	-80.66961437
13,500.00	89.00	150.010	11,746.87	-917.48	924.40	14,463,595.75	1,733,225.46	39.82613807	-80.66943751
13,600.00	89.00	150.010	11,748.61	-1,004.07	974.38	14,463,509.15	1,733,275.43	39.82589975	-80.66926065
13,700.00	89.00	150.010	11,750.35	-1,090,67	1,024.36	14,463,422.55	1,733,325.41	39.82566142	-80.66908378
13,800.00	89.00	150.010	11,752.09	-1,177.27	1,074.34	14,463,335.95	1,733,375.39	39.82542310	-80,66890692
13,900.00	89.00	150.010	11,753.83	-1,263.87	1,124.31	14,463,249.35	1,733,425,36	39.82518477	-80.66873006
14,000.00	89.00	150.010	11,755.57	-1,350.47	1,174.29	14,463,162.75	1,733,475.34	39.82494644	-80.66855321
14,100.00	89.00	150.010	11,757.32	-1,437.07	1,224.27	14,463,076.16	1,733,525.32	39.82470812	-80.66837635
14,200.00	89.00	150.010	11,759.06	-1,523.66	1,274.24	14,462,989.56	1,733,575.29	39.82446979	-80.66819950
14,300.00	89.00	150.010	11,760.80	-1,610,26	1,324.22	14,462,902.96	1,733,625,27	39.82423146	-80.66802264
14,400.00	89.00	150.010	11,762.54	-1,696.86	1,374.20	14,462,816.36	1,733,675.25	39.82399313	-80.66784579
14,500.00	89.00	150.010	11.764.28	-1,783.46	1,424.17	14,462,729.76	1,733,725.22	39.82375481	-80.66766894
14,600.00	89.00	150.010	11,766.02	-1,870,06	1,474,15	14,462,643.17	1,733,775.20	39.82351648	-80.66749209
14,700.00	89.00	150.010	11,767.76	-1,956.65	1,524.13	14,462,556.57	1,733,825.18	39.82327815	-80.66731524
14,800.00	89.00	150.010	11,769.51	-2,043.25	1,574.11	14.462,469.97	1,733,875.16	39.82303982	-80.66713839





Database: Company: Project: DB_Aug1919_v14
Tug Hill Operating LLC
Marshall County, West Virginia

Site: Hudson Alt North
Well: Hudson S-13 HU (slot A)
Wellbore: Original Hole

Wellbore: Origin Design: rev6 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Hudson S-13 HU (slot A)

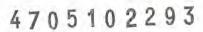
GL @ 1344.25ft GL @ 1344.25ft

Grid Minimum Curvature

RECEIVED Office of Oil and Gas

MAR 1 9 2020

nned Survey								WA	/ Department of
Measured Depth (ft)	Inclination	Azimuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Enviro	nmental Protect
-		100		Carlo Carlo					
14,900.00	89.00	150,010	11,771.25	-2,129.85	1,624,08	14,462,383.37	1,733,925.13	39,82280149	-80.666961
15,000.00	89.00	150.010	11,772.99	-2,216.45	1,674.06	14,462,296.77	1,733,975.11	39.82256316	-80.666784
15,100.00	89.00	150.010	11,774.73	-2,303.05	1,724.04	14,462,210.18	1,734,025.09	39.82232483	-80.666607
15,200.00	89.00	150,010	11,776.47	-2,389.65	1,774.01	14,462,123.58	1,734,075.06	39,82208650	-80,666431
15,300.00	89.00	150.010	11,778.21	-2,476.24	1,823.99	14,462,036.98	1,734,125.04	39.82184817	-80.666254
15,400.00	89.00	150.010	11,779.96	-2,562.84	1,873.97	14,461,950.38	1,734,175.02	39,82160984	-80.666077
15,500.00	89.00	150.010	11,781.70	-2,649.44	1,923.94	14,461,863.78	1,734,224.99	39.82137151	-80.665900
15,600.00	89.00	150,010	11,783.44	-2,736.04	1,973,92	14,461,777.18	1,734,274.97	39.82113318	-80.665723
15,700.00	89.00	150,010	11,785.18	-2,822.64	2,023,90	14,461,690.59	1,734,324.95	39,82089485	-80.665546
15,800.00	89.00	150.010	11,786.92	-2,909.24	2,073.88	14,461,603.99	1,734,374,92	39,82065651	-80.665369
15,900.00	89.00	150,010	11,788.66	-2,995.83	2,123.85	14,461,517.39	1,734,424.90	39.82041818	-80.665193
16,000.00	89.00	150.010	11,790.40	-3,082.43	2,173.83	14,461,430.79	1,734,474.88	39.82017985	-80.665016
16,100.00	89.00	150.010	11,792.15	-3,169.03	2,223.81	14,461,344.19	1,734,524.86	39.81994152	-80.664839
16,200.00	89.00	150.010	11,793.89	-3,255.63	2,273.78	14,461,257.60	1,734,574.83	39,81970319	-80,664662
16,300.00	89.00	150,010	11,795,63	-3,342.23	2,323,76	14,461,171.00	1,734,624.81	39,81946485	-80,664485
16,400.00	89.00	150,010	11,797.37	-3,428.83	2,373.74	14,461,084.40	1,734,674.79	39.81922652	-80.664308
16,500.00	89.00	150.010	11,799.11	-3,515.42	2,423.71	14,460,997.80	1,734,724.76	39,81898819	-80,664132
16,600.00	89.00	150,010	11,800.85	-3,602.02	2,473.69	14,460,911.20	1,734,774.74	39,81874985	-80,663955
16,700.00	89.00	150.010	11,802,60	-3,688,62	2,523.67	14,460,824,61	1,734,824,72	39,81851152	-80,663778
16,800.00	89.00	150,010	11,804.34	-3,775.22	2,573.65	14,460,738.01	1,734,874.69	39.81827318	-80.663601
16,900.00	89.00	150.010	11,806.08	-3,861.82	2,623.62	14,460,651.41	1,734,924.67	39,81803485	-80.663424
17,000.00	89.00	150,010	11,807.82	-3,948.42	2,673.60	14,460,564.81	1,734,974.65	39.81779651	-80,663248
17,100.00	89.00	150.010	11,809.56	-4,035.01	2,723.58	14,460,478.21	1,735,024.62	39,81755818	-80,663071
17,200.00	89.00	150,010	11,811.30	-4,121.61	2,773.55	14,460,391.61	1,735,074.60	39.81731984	-80.662894
17,300.00	89.00	150.010	11,813.04	-4,208.21	2,823.53	14,460,305.02	1,735,124.58	39.81708151	-80.662717
17,400.00	89.00	150.010	11,814.79	-4,294.81	2,873.51	14,460,218.42	1,735,174.56	39.81684317	-80.662540
17,500.00	89.00	150.010	11,816.53	-4,381.41	2,923.49	14,460,131.82	1,735,224.53	39.81660483	-80.662363
17,600.00	89.00	150.010	11,818.27	-4,468.01	2,973.46	14,460,045,22	1,735,274.51	39.81636650	-80.662187
17,700.00	89.00	150.010	11,820.01	-4,554.60	3,023.44	14,459,958.62	1,735,324.49	39.81612816	-80.662010
17,800.00	89.00	150.010	11,821.75	-4,641,20	3,073.42	14,459,872.03	1,735,374.46	39.81588982	-80.661833
17,900.00	89,00	150,010	11,823.49	-4,727.80	3,123.39	14,459,785.43	1,735,424.44	39.81565149	-80.661656
18,000.00	89.00	150.010	11,825.23	-4,814.40	3,173.37	14,459,698.83	1,735,474.42	39.81541315	-80.661479
18,100.00	89.00	150.010	11,826.98	-4,901.00	3,223.35	14,459,612.23	1,735,524.39	39.81517481	-80.661303
18,200.00	89.00	150.010	11,828.72	-4,987.60	3,273.32	14,459,525.63	1,735,574.37	39.81493647	-80,661126
18,300.00	89.00	150.010	11,830.46	-5,074.19	3,323.30	14,459,439,04	1,735,624,35	39.81469813	-80.660949
18,400.00	89.00	150.010	11,832.20	-5,160,79	3,373.28	14,459,352.44	1,735,674.32	39.81445979	-80.660772
18,500.00	89.00	150.010	11,833.94	-5,247.39	3,423.26	14,459,265.84	1,735,724.30	39.81422146	-80,660595
18,600.00	89.00	150.010	11,835.68	-5,333.99	3,473.23	14,459,179.24	1,735,774.28	39.81398312	-80.660419
18,700.00	89.00	150.010	11,837.43	-5,420.59	3,523,21	14,459,092.64	1,735,824.26	39.81374478	-80.660242
18,800.00	89.00	150.010	11,839.17	-5,507.19	3,573.19	14,459,006.04	1,735,874.23	39.81350644	-80.660065
18,900.00	89.00	150.010	11,840.91	-5,593.78	3,623.16	14,458,919.45	1,735,924.21	39.81326810	-80.659888
19,000.00	89.00	150.010	11,842.65	-5,680.38	3,673.14	14,458,832.85	1,735,974.19	39.81302976	-80.659711
19,100.00	89.00	150.010	11,844.39	-5,766.98	3,723.12	14,458,746.25	1,736,024.16	39.81279142	-80.659535
19,200.00	89.00	150.010	11,846.13	-5,853.58	3,773.09	14,458,659.65	1,736,074.14	39.81255307	-80.659358
19,300.00	89.00	150.010	11,847.87	-5,940.18	3,823.07	14,458,573.05	1,736,124.12	39.81231473	-80.659181
19,400.00	89.00	150.010	11,849.62	-6,026.77	3,873.05	14,458,486,46	1,736,174.09	39.81207639	-80.659004
19,500.00	89.00	150,010	11,851.36	-6,113.37	3,923.03	14,458,399.86	1,736,224.07	39.81183805	-80.658827
19,600.00	89.00	150.010	11,853.10	-6,199.97	3,973.00	14,458,313.26	1,736,274.05	39.81159971	-80,658651
19,700.00	89.00	150,010	11,854.84	-6,286.57	4,022.98	14,458,226.66	1,736,324.02	39,81136136	-80.658474
19,800.00	89.00	150.010	11,856.58	-6,373.17	4,072.96	14,458,140.06	1,736,374.00	39.81112302	-80.658297
19,900.00	89,00	150.010	11,858.32	-6,459.77	4,122.93	14,458,053.47	1,736,423.98	39.81088468	-80.658120
20,000.00	89.00	150.010	11,860.07	-6,546.36	4,172.91	14,457,966.87	1,736,473.96	39.81064634	-80.657943
20,100.00	89.00	150.010	11,861.81	-6,632.96	4,222.89	14,457,880.27	1,736,523.93	39.81040799	-80,657767
20,200.00	89.00 89.00	150.010 150.010	11,863,55 11,865,29	-6,719.56 -6,806.16	4,272.86 4,322.84	14,457,793.67 14,457,707.07	1,736,573.91 1,736,623.89	39.81016965 39.80993130	-80.657590 -80.657413





Database: Company: Project:

DB_Aug1919_v14 Tug Hill Operating LLC Marshall County, West Virginia

Site: Hudson Alt North Well: Hudson S-13 HU (slot A)

Wellbore: Original Hole Design: rev6

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Hudson S-13 HU (slot A)

GL @ 1344.25ft GL @ 1344.25ft

Grid Minimum Curvature

RECEIVED Office of Oil and Gas

nned Survey								MAR	1 9 2020
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting	WV E Environn	epartment of nental Protectio
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
20,400.00	89.00	150.010	11,867.03	-6,892.76	4,372.82	14,457,620.47	1,736,673.86	39.80969296	-80.657236
20,500.00	89.00	150.010	11,868.77	-6,979.36	4,422,80	14,457,533.88	1,736,723.84	39.80945462	-80,657060
20,600.00	89.00	150.010	11,870.51	-7,065.95	4,472.77	14,457,447.28	1,736,773.82	39.80921627	-80.656883
20,700.00	89.00	150.010	11,872.26	-7,152.55	4,522.75	14,457,360.68	1,736,823.79	39.80897793	-80,656706
20,800.00	89.00	150.010	11,874.00	-7,239.15	4,572.73	14,457,274.08	1,736,873.77	39.80873958	-80.656529
20,900.00	89.00	150.010	11,875.74	-7,325.75	4,622.70	14,457,187.48	1,736,923.75	39.80850123	-80,656352
21,000.00	89.00	150.010	11,877.48	-7,412.35	4,672.68	14,457,100.89	1,736,973.72	39.80826289	-80.656176
21,100.00	89.00	150,010	11,879.22	-7,498.95	4,722.66	14,457,014.29	1,737,023.70	39.80802454	-80,655999
21,200.00	89.00	150.010	11,880.96	-7,585.54	4,772.63	14,456,927.69	1,737,073.68	39.80778620	-80.655822
21,300.00	89.00	150.010	11,882.71	-7,672.14	4,822.61	14,456,841.09	1,737,123.66	39.80754785	-80.655645
21,400.00	89.00	150.010	11,884.45	-7,758.74	4,872.59	14,456,754.49	1,737,173.63	39.80730950	-80.655469
21,500.00	89.00	150.010	11,886.19	-7,845.34	4,922.57	14,456,667.90	1,737,223.61	39.80707116	-80.655292
21,600.00	89.00	150.010	11,887.93	-7,931.94	4,972.54	14,456,581.30	1,737,273.59	39,80683281	-80.655115
21,700.00	89.00	150.010	11,889.67	-8,018.54	5,022.52	14,456,494.70	1,737,323.56	39.80659446	-80.654938
21,800.00	89.00	150.010	11,891.41	-8,105.13	5,072.50	14,456,408.10	1,737,373.54	39.80635611	-80.654762
21,900.00	89.00	150,010	11,893.15	-8,191.73	5,122.47	14,456,321.50	1,737,423.52	39.80611776	-80.654585
22,000.00	89.00	150,010	11,894.90	-8,278.33	5,172.45	14,456,234.91	1,737,473.49	39.80587941	-80.654408
22,100.00	89.00	150.010	11,896.64	-8,364.93	5,222.43	14,456,148.31	1,737,523.47	39,80564107	-80.654231
22,200.00	89.00	150,010	11,898.38	-8,451.53	5,272.41	14,456,061.71	1,737,573.45	39,80540272	-80,654055
22,300.00	89.00	150.010	11,900.12	-8,538.13	5,322.38	14,455,975.11	1,737,623.42	39.80516437	-80.653878
22,350.50	89.00	150,010	11,901.00	-8,581.86	5,347.62	14,455,931.38	1,737,648.66	39.80504400	-80.653789

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Hudson 13HU LP r1 - plan misses target o - Point	0.00 center by 0.02		11,724.25 66ft MD (117	206.86 24.25 TVD, 20	275.52 06.87 N, 275.5	14,464,720.08 53 E)	1,732,576,57	39.82923231	-80.67173395
Hudson 13HU PBHL r6 - plan hits target cent - Point	0.00 ter	0.000	11,901.00	-8,581.86	5,347.62	14,455,931.38	1,737,648.66	39.80504400	-80.65378900

Measured	Vertical	Local Coor	dinates		
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
3,100.00	3,100.00	0.00	0.00	KOP Begin 2°/100' build	
3,350.00	3,349.68	10.71	-2.04	Begin 5.00° tangent	
7,114.64	7,100.00	333.05	-63,29	Begin 2°/100' build/turn	
7,289,90	7,274.02	353,31	-67.03	Begin 8.50° tangent	
10,747.66	10,693.75	856.47	-158.36	Begin 6°/100' build/turn	
11,713.42	11,556.53	591.25	44.43	Begin 8°/100' build/turn	
12,201.68	11,724,26	206.84	275.54	Begin 89.00° lateral	
22,350.50	11,901.00	-8,581.86	5,347.62	PBHL/TD 22350.50 MD/11901.00 TVD	

Operator's Well No. Hudson S-13HU

Area of Review

Sources of information to Support 35CSR8 - 5.11: 9.3 et seq.

Description of process to identify potential pathways for well communication during hydraulic fracturing activities.

Data Sources Reviewed:

- 1. IHS Well Data service: Public nationwide data service that pulls directly from State agency Oil and Gas databases
- 2. Farm Maps
- 3. Topo Maps: Recent and older (contact WVGES)
- 4. Check with DPS

Contacted Devin Ducoeur 724-705-0444, <u>dducoeur@dpslandservices.com</u> DPS GIS (03/09/2020) to have him make maps of the wellbores with his information. DPS utilizes WVGES maps for their mapping seems it as the best publicly available. See attached map he provided.

Request maps for:

- 1. Wellbore with IHS All Wells Layer
- 2. Map with Farm lines overlain and any well spots identified on Farm Maps
- 3. More recent (1970s vintage) topos and older topos

Discussion with Phil Dinterman WVGES GIS Department (7/15/2016)

- WVGES has plotted every well spot they have access to and are aware of with that contains a
 coordinate. 30000, 70000, and 90000 series wells are available via the WVGES online map. Some
 locations aren't great due to vintage and manipulation of maps through time
- 30000 series any well drilled prior to 1929 APIs were not assigned to original wells
- 70000 series Well spots pulled from old Farm line maps that the WVGES has access to
- 90000 series Any sources that the WVGES has access that shows a well spot but has no additional supporting information. DEP does not have 90000 series on their maps.
- There can be duplication between wells in the 3 series
- Phil indicated that other Operators are providing a screenshot of the WVGES map with their planned well and using that for permits

Office of Oil and Gas

MAR 1 9 2020

W Department of Protection

Permit well - Hudson S-13HU
Wells within 500' Buffer
Note: Well spots depicted on Area of Review map are derived from State held coordinates. The spots may differ from those depicted on the Well Plat because the Plat

				the Plat for surveyed w		
API Number	Operator Name	Total Depth	Perforated Fms	Producing zones not perforated	Is this well "known or reasonably expected to penetrate a depth that could be within the range of Fracture propagation"? 1000' is max limit I would assign to wells that might be within in range of fracture propagation	Comments
47-051-70638	Unknown	Unknown	Unknown	Unknown	Uknown but unlikley. The well likley represents an old shallow well that is too shallow to be effected by fracturing in the planned Point Pleasant well.	State records are incomplete.
47-051-70639	Unknown	Unknown	Unknown	Unknown	Uknown but unlikley. The well likley represents an old shallow well that is too shallow to be effected by fracturing in the planned Point Pleasant well.	State records are incomplete.
47-051-00841	McElroy Coal Company	Unknown	Unknown	Unknown	Uknown but unlikley. The well likley represents an old shallow well that is too shallow to be effected by fracturing in the planned Point Pleasant well. Well is plugged.	Well was plugged 4/27/1999.
47-051-00842	McElroy Coal Company	Unknown	Unknown	Unknown	Uknown but unlikley. The well likley represents an old shallow well that is too shallow to be effected by fracturing in the planned Point Pleasant well. Well is plugged.	Well was plugged 6/30/1999.
47-051-02251	Tug Hill Operating, LLC	None	None	None	No, existing Marcellus permit. The well is not deep enough to be within the expected fracture propagation from a Point Pleasant stimulation.	Currently a permit.
47-051-02250	Tug Hill Operating, LLC	None	None	None	No, existing Marcellus permit. The well is not deep enough to be within the expected fracture propagation from a Point Pleasant stimulation.	Currently a permit.
47-051-02249	Tug Hill Operating, LLC	None	None	None	No, existing Marcellus permit. The well is not deep enough to be within the expected fracture propagation from a Point Pleasant stimulation.	Currently a permit.
47-051-02248	Tug Hill Operating, LLC	None	None	None	No, existing Marcellus permit. The well is not deep enough to be within the expected fracture propagation from a Point Pleasant stimulation.	Currently a permit.
47-051-02291	Tug Hill Operating, LLC	None	None	None	No, existing Marcellus permit. The well is not deep enough to be within the expected fracture propagation from a Point Pleasant stimulation.	Currently a permit.

Office of Oil and Gas MAR 1 9 2020 Environmental Protection

Page 2 of 4

Well: County = 61 Permit = 70638 CONTROL TO CONTROL TO CONTROL Own before the series of the s COMPANIE MANAGEM LEAT COMMINIST COMM Sal State Vall Court Inc. State Vall Journ t information: Virtu Man.
CORRECT MANUAL TRANSPICTORIES COMO 18 COMO 1 Commission of the state of the Well Repringment Information Represented From Collection Completed Intell College Marie Petiting 31 7000 31 611 Control Memorics With the Control of Open College C Complete information

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Office of Oil and Gas MAR 1 9 2020 WV Department of Environmental Protection

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Page 3 of 4

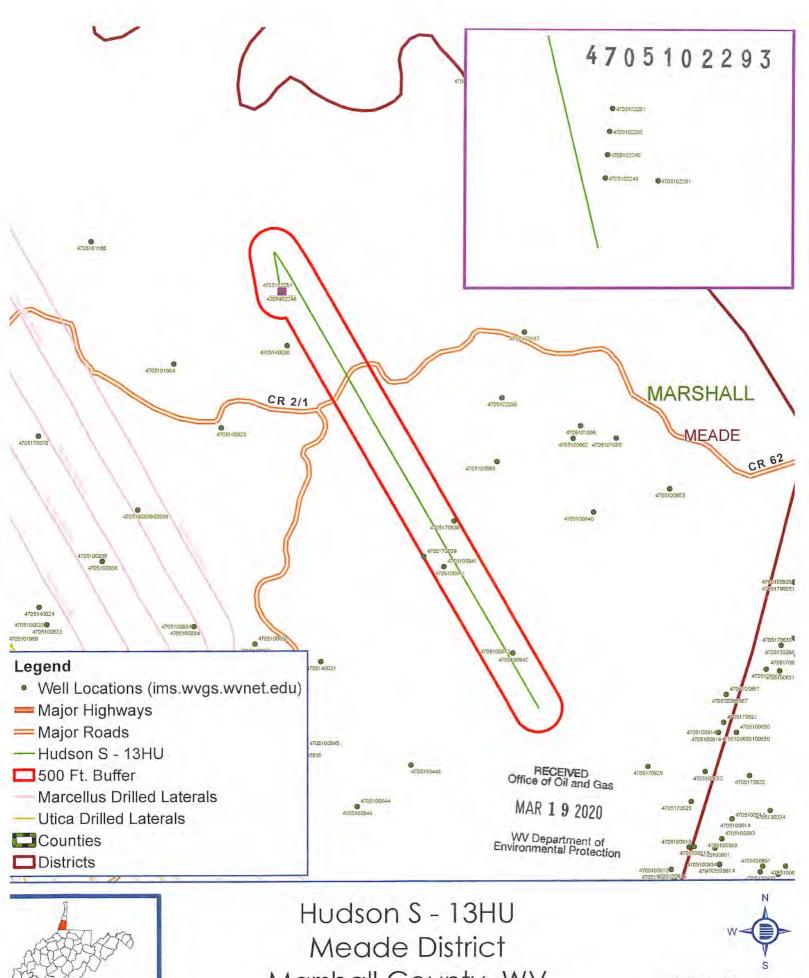
Well: County = 51 Permit = 02243

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Page 4 of 4







Marshall County, WV









Well Site Safety Plan

Tug Hill Operating, LLC

Well Name:

Hudson S-13HU

Pad Location: Hudson Pad

Wetzel County, West Virginia

UTM (meters), NAD83, Zone 17:

Northing: 4,408,792.45 Easting: 528,006.42

March 2020

T.H.

T.H. B.H.

HUDSON S LEASE UTICA UNIT - 330.79 AC± WELL 13HU TUG HILL OPERATING

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-2-9.1	CONSOLIDATION COAL CO.	1,00
9-2-9.2	CONSOLIDATION COAL CO.	1.00
9-3-1.2	CONSOLIDATION COAL CO.	1.00
9-3-19	CNX LAND CO. LLC	45 SQ, RODS & 3280 SQ, FT
9-5-13	SHELLY ANN JORDAN	5,51
9-7-9	CNX LAND CO. LLC	2.00
9-7-10	DONALD M. & THERESA L. HARRIS	3.00
9-8-1	CNX LAND CO. LLC	PT. OF 1 AC,
9-8-2	CNX LAND CO. LLC	6000 SQ. FT.
9-8-4.1	CNX LAND RESOURCES, INC.	0.333
9-8-5.1	CNX LAND LLC	1.040

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH) E. 1.639,154.94 NAD'83 S.P.C.(FT) N. 486,092.49 LAT-(N) 39.828667 LONG-(W) 80.672718 NAD'83 GEO.

NAD'83 UTM (M) N. 4,408,792.45 E. 528,006.42

LANDING POINT NAD'83 S.P.C.(FT) N 486 294 B F. 1.639.434.0 LONG-(W) 80,671734 LAT-(N) 39.829232 NAD'83 GEO. NAD'83 UTM (M) N. 4,408,855.5 E, 528,090.4

BOTTOM HOLE E. 1.644,360,1 NAD'83 S.P.C.(FT) N. 477,419.6 LONG-(W) 80.653789 LAT-(N) 39,805044 NAD'83 GEO. NAD'83 UTM (M) N. 4,406,176.7 E. 529,636.4

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD. 2. WELL SPOT CIRCLE & TOPO MARK SCALE ARE 1"=2000'

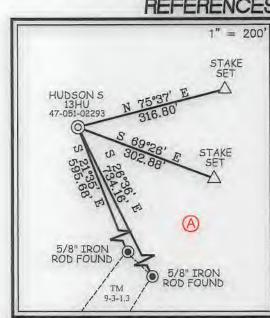
3. PROPOSED LATERAL OR TOP HOLE OF HUDSON S-13HU (47-051-02293) IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF HUDSON S-11HU (47-051-02296), HUDSON S-12HU (47-051-02292), HUDSON S-15HU (47-051-02327), HUDSON S-15HU (47-051-02328), FITZGERALD S-15HU (47-051-02328), FITZGERALD S-15HU (47-051-02325), FITZGERALD S-19HU (47-051-02325), FITZGERALD S-19HU (47-051-02325).

4, MINIMUM OFFSET SPACING REQUIREMENTS EXEMPTED BY WAVER WITH THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS AND OFFSET LEASEROLDER AGREEMENTS AS PROVIDED BY TUG HILL OPERATING.

5. WYDOT/DOH OWNERSHIP WITHIN UNIT SET FORTH IN WW-661.

5. WYDOT/DOH OWNERSHIP WITHIN UNIT SET FORTH IN WW-6A1.

REFERENCES



254 East Beckley Bypass | Beckley, WV 25801 | 304:255.5296

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S 849

No. 849
STATE OF

NO. 849
STATE OF

OF VIRGINIA

REVISED 10/22/19, 03/18/20, 07/14/20, 7/16/20, 08/07/20 OPERATORS WELL NO. HUDSON S-13HU WELL

STATE

(+) DENOTES LOCATION OF WELL ON UNITED

COUNTY

STATES TOPOGRAPHIC MAPS. AUGUST 23

MINIMUM DEGREE OF ACCURACY

1/2500

8911P13HUR5.dwg FILE NO.

HUDSON S-13HU REV6

B.Hs

1" = 2000"

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS



COUNTY

SCALE HORIZONTAL & VERTICAL DGPS (SURVEY GRADE TIE TO CORS NETWORK) CONTROL DETERMINED BY

WASTE LIQUID IF GAS X OIL INJECTION DISPOSAL "GAS" PRODUCTION X STORAGE DEEP X SHALLOW TYPE: LOCATION .

GROUND = 1,370.20' PROPOSED = 1,344.81' GRAVE CREEK (HUC 10) ELEVATION _ WATERSHED_ GLEN EASTON 7.5' MARSHALL DISTRICT COUNTY QUADRANGLE __

CNX LAND LLC SURFACE OWNER _ ACREAGE _ CHARLENE L. BAKER, ET AL ACREAGE _ ROYALTY OWNER -

SEE WW-6A1

PROPOSED WORK: LEASE NO. _ DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG___ _ OTHER POINT PLEASANT PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION _

ESTIMATED DEPTH_ TVD: 11,957' / TMD: 22,351'

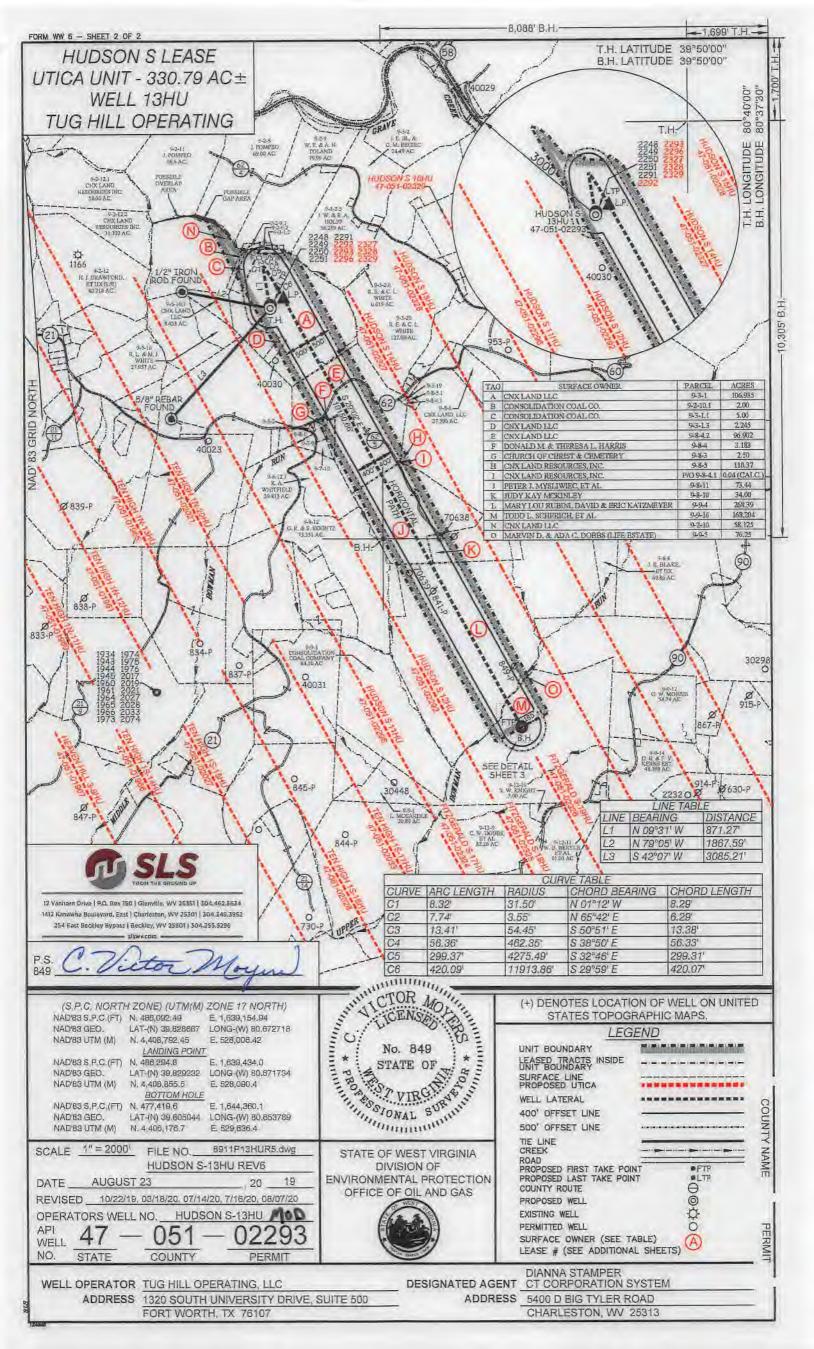
DIANNA STAMPER CT CORPORATION SYSTEM WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT

ADDRESS 5400 D BIG TYLER ROAD

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500

FORT WORTH, TX 76107

CHARLESTON, WV 25313



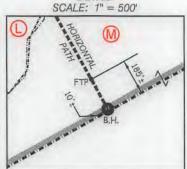
HUDSON S LEASE UTICA UNIT -330.79 AC± WELL 13HU TUG HILL OPERATING



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296

NO.	Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Deed Bo	ok/Page
1	10*26041	9-3-1	A	FREDDIE C WHITE AND VIOLET L WHITE, ET AL	728	527
2	10*26711	9-2-10.1	В	CNX GAS COMPANY LLC	1074	593
3	10*26044	9-3-1.1	С	JOYCE A WALLACE, ET AL	863	296
4	10*26018	9-3-1.3	D	NANCY L WEST, ET AL	737	248
5	10*47051.109.0	9-8-4.2	E	DONALD M AND THERESA L HARRIS	859	440
6	10*47051.109.0	9-8-4	F	DONALD M AND THERESA L HARRIS	859	440
7	10*26113	9-8-3	G	ELDWIN OTIS RINE AND MARY LRINE, ET AL	880	434
8	10*23739	9-8-5	Н	APPALACHIAN BASIN MINERALS LP, ET AL	1011	538
9	10*22760	9-8-4.1	1	DONALD M AND THERESA L HARRIS, ET AL	968	294
10	10*22745	9-8-11	J.	BONNIE JJENKINS, ET AL	968	288
11	10*21246	9-8-10	K	THE ESTATE OF THERESA M ROGERSON CHARLES J ROGERSON EXECUTOR, ET AL.	952	422
12	10*31001	9-9-4	L	ERIC KATZMEYER, ET AL	791	226
13	10*19987	9-9-16	M	LESLEY D BALLA, ET AL	955	103
14	10*26001	9-2-10	N	FREDDIE C WHITE AND VIOLET L WHITE	655	555
15	10*28244	9-9-5	0	MICHAEL D DOBBS AND STEPHANIE J DOBBS, ET AL.	1068	569

DETAIL SCALE: 1" = 500'



8911P13HUR5.dwg FILE NO. HUDSON S-11HU REV6

AUGUST 23

REVISED 10/22/19, 03/18/20, 07/14/20, 7/16/20, 08/07/20

OPERATORS WELL NO.

HUDSON S-11HU

WELL STATE NO.

COUNTY

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS



WELL OPERATOR TUG HILL OPERATING, LLC

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107

DIANNA STAMPER
CT CORPORATION SYSTEM

ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

WW-6A1 (5/13)

Operator's Well No. Hudson S-13HU

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

*See attached pages

*Co-tenancy utilization – At least 7 mineral owners in tract. At least 75% of the royalty owners have executed a lease on the tract. The interests of the remaining co-tenants were acquired pursuant to the Co-tenancy Modernization and Majority Protection Act.

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:	Tug Hill Operating, LLC
By:	Amy L. Miller Muystuller
Its:	Permitting Specialist - Appalachia Region

WW-6A1 Supplement

4705102293 Assignment Assignment Assignment Assignment Assignment Royalty Deed Book/Page Assignment Tag Grantor, Lessor, Etc. Grantee, Lessee, Etc. Parcel Lease ID Chesapeake Appalachia Statoil USA Onshore LLC to Statoil USA Properties Inc to Chesapeake Appalachia Chevron USA Inc to TH Chevron USA Inc: LLC to Chevron USA Inc: Exploration II LLC & TH Onshore Properties Inc: CHESAPEAKE APPALACHIA 30/461 27/386 30/427 Exploration LLC: 43/95 1/8+ 728 527 N/A N/A N/A N/A 10*26041 A FREDDIE C WHITE AND VIOLET L WHITE N/A N/A Chevron USA Inc to TH CHEVRON USA INC 1/8+ 863 296 N/A N/A N/A N/A N/A N/A 10*26044 9-3-1 A JOYCE A WALLACE Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 CHEVRON USA INC 1/8+ 863 138 N/A N/A N/A N/A N/A N/A N/A N/A ROBERT D BLAKE AND ATHENA LIBERTY BLAKE 10*26047 Chevron USA Inc to TH Exploration II LLC & TH N/A N/A N/A N/A N/A Exploration LLC: 43/95 LOIS J ELIAS AND LOUIS J ELIAS CHEVRON USA INC 1/8+ 861 599 N/A N/A 10*26048 9-3-1 Chevron USA Inc to TH Exploration II LLC & TH N/A N/A N/A Exploration LLC: 43/95 CHEVRON USA INC 1/8+ 863 560 N/A N/A N/A N/A N/A A MARY H HUBBS 10*26049 9-3-1 Chevron USA Inc to TH Exploration II LLC & TH 863 627 N/A N/A N/A N/A N/A N/A Exploration LLC: 43/95 CHEVRON USA INC 1/8+ N/A N/A BERNARD O CROW AND KAREN S CROW 10*26050 9-3-1 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 644 N/A N/A N/A N/A N/A CHEVRON USA INC 1/8+ 863 N/A N/A A ROBERT W KIDNER 10*26051 9-3-1 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 N/A N/A N/A N/A N/A N/A 863 545 N/A N/A CHEVRON USA INC 1/8+ 10*26052 9-3-1 A BETTY J BLAKE Chevron USA Inc to TH Exploration II LLC & TH N/A Exploration LLC: 43/95 N/A N/A CHEVRON USA INC 1/8+ 854 343 N/A N/A N/A N/A N/A 10*26053 9-3-1 ANTHONY T MOORE Chevron USA Inc to TH Exploration II LLC & TH N/A Exploration LLC: 43/95 CHEVRON USA INC 1/8+ 854 353 N/A N/A N/A N/A N/A 10*26054 9-3-1 A HIRAM VERNON MOORE Chevron USA Inc to TH Exploration II LLC & TH N/A N/A N/A N/A N/A N/A Exploration LLC: 43/95 LARRY W MOORE SR CHEVRON USA INC 1/8+ 854 348 N/A N/A 10*26055 9-3-1 Chevron USA Inc to TH Exploration II LLC & TH N/A Exploration LLC: 43/95 CHEVRON USA INC 1/8+ 854 338 N/A N/A N/A N/A N/A N/A RONALD W MOORE 10*26056 9-3-1 Α Chevron USA Inc to TH Exploration II LLC & TH N/A N/A N/A N/A N/A Exploration LLC: 43/95 CHEVRON USA INC 1/8+ 854 N/A N/A JOHN PURDY AND BRENDA S PURDY 10*26057 Chevron USA Inc to TH Exploration II LLC & TH N/A N/A N/A Exploration LLC: 43/95 1/8+ 854 415 N/A N/A N/A N/A N/A CHEVRON USA INC 10*26058 9-3-1 CAROLE J WOOD Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 N/A N/A N/A N/A N/A N/A 215 N/A TERRY L BLAKE CHEVRON USA INC 1/8+ 854 N/A 10*26059 9-3-1 Chevron USA Inc to TH Exploration II LLC & TH N/A Exploration LLC: 43/95 N/A N/A ROBERT C BLAKE AND LYN BLAKE CHEVRON USA INC 1/8+ 333 N/A N/A N/A 10*26060 9-3-1 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 435 N/A N/A N/A N/A N/A N/A N/A N/A 10*26061 9-3-1 RODNEY W AND LINDA L HUBBS CHEVRON USA INC 1/8+ 854 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 N/A N/A N/A SHANNON ROGER AND LORRAINE HUBBS CHEVRON USA INC 1/8+ 854 233 N/A N/A N/A N/A N/A 9-3-1 10*26062 Chevron USA Inc to TH Exploration II LLC & TH N/A Exploration LLC: 43/95 1/8+ 854 238 N/A N/A N/A N/A N/A N/A PATTY L RINE AND FLOYD D RINE CHEVRON USA INC 10*26063 9-3-1 Chevron USA Inc to TH Exploration II LLC & TH N/A N/A N/A N/A N/A Exploration LLC: 43/95 CHEVRON USA INC 1/8+ 863 550 N/A N/A N/A 10*26064 9-3-1 CATHARINE LEE BLAKE Chevron USA Inc to TH Exploration II LLC & TH N/A N/A N/A Exploration LLC: 43/95 1/8+ 858 N/A N/A N/A N/A N/A CHEVRON USA INC 10*26066 9-3-1 DANNY E AND MARVA L BEYSER

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Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment								
Lease ID	Parcei	Tag	Grantor, Lessor, Etc.	Grantes, sesses, ses	1.074.07											Chevron USA Inc to TH
					1	l										Exploration II LLC & TH
10*26067	9-3-1	A	DONALD DEAN BEYSER	CHEVRON USA INC	1/8+	858	41	N/A	Exploration LLC: 43/95							
					1					1						Chevron USA Inc to TH Exploration II LLC & TH
				l			l l		***	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26068	9-3-1	Α .	GARY F BLAKE AND DORIS E BLAKE	CHEVRON USA INC	1/8+	858	31	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	17/5	Chevron USA Inc to TH
	1															Exploration II LLC & TH
		١.	MARILYN SUE REILLEY	CHEVRON USA INC	1/8+	857	597	N/A	Exploration LLC: 43/95							
10*26069	9-3-1	Α	MARILTN SOE REILLET	CHEVITOR CONTING	2/0.	- 557										Chevron USA Inc to TH
																Exploration II LLC & TH
10*26070	9-3-1	Α .	MARY W HOLMES	CHEVRON USA INC	1/8+	857	602	N/A	Exploration LLC: 43/95							
10 20070	100															Chevron USA Inc to TH
	ŀ															Exploration II LLC & TH
10*26071	9-3-1	Α	CHARLENE LORRAINE BAKER	CHEVRON USA INC	1/8+	857	607	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH							
																Exploration II LLC & TH
	1				4.0				N/A	Exploration LLC: 43/95						
10*26072	9-3-1	Α_	JAMES L BLAKE	CHEVRON USA INC	1/8+	857	616	N/A	N/A	IN/A	N/A	11//	11/6	197	NA	Chevron USA Inc to TH
																Exploration II LLC & TH
		Δ	DARLENE L BEYSER	CHEVRON USA INC	1/8+	860	176	N/A	Exploration LLC: 43/95							
10*26073	9-3-1	A	DARLENE L BETSER	CHEVRON OSA INC	1/0.	- 000				1,7,1						Chevron USA Inc to TH
					1		li			1						Exploration II LLC & TH
10*26074	9-3-1	A	RANDYLYN MOORE AKA RANDY MOORE	CHEVRON USA INC	1/8+	860	166	N/A	Exploration LLC: 43/95							
10 20074	3-3-1															Chevron USA Inc to TH
																Exploration II LLC & TH
10*26075	9-3-1	A	BETTY JOANN CECIL	CHEVRON USA INC	1/8+	860	119	N/A	Exploration LLC: 43/95							
																Chevron USA Inc to TH
				1				_					***	,,,	N/A	Exploration II LLC & TH Exploration LLC: 43/95
10*26076	9-3-1	A	DORIS IMOGENE GARRISON	CHEVRON USA INC	1/8+	860	114	N/A	Chevron USA Inc to TH							
			1	1												Exploration II LLC & TH
		l			4/0.	000	104	N/A	Exploration LLC: 43/95							
10*26077	9-3-1	Α_	DOROTHY J AND ROBERT M BLAKE	CHEVRON USA INC	1/8+	860	104	N/A	N/A	N/A		11/2	1976	- 176	.,,,,	Chevron USA Inc to TH
		i				1										Exploration II LLC & TH
4040000	١	١.	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	860	228	N/A	Exploration LLC: 43/95							
10*26078	9-3-1	A	VELIVIA ROTH HARRIS	CHEVILOIT COATING	1/0:	1										Chevron USA Inc to TH
						l										Exploration II LLC & TH
10*26079	9-3-1	l a	MARY O'DESSA HARRIS LOUDEN	CHEVRON USA INC	1/8+	860	109	N/A	Exploration LLC: 43/95							
10 20075	1	 														Chevron USA Inc to TH
	1		SHARON DIANE HOLMES JAHN AND WILLILAM HENRY JAHN III -			l										Exploration II LLC & TH
10*26080	9-3-1	Α	W/H	CHEVRON USA INC	1/8+	860	217	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH							
					1		1 1					1				Exploration II LLC & TH
						l	l l	***	***	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26081	9-3-1	A	CYNTHIA JEAN AND EDDIE W WILSON	CHEVRON USA INC	1/8+	861	545	N/A	N/A	N/A	N/A	IN/A	IN/A	18/0	N/A	Chevron USA Inc to TH
	1															Exploration II LLC & TH
	1		DRIAN C. AND CADA MALUTZ	CHEVRON USA INC	1/8+	861	550	N/A	Exploration LLC: 43/95							
10*26082	9-3-1	Α	BRIAN C AND SARA M LUTZ	CHEVROIT OOM INC	1/07	1 301	550	11/0	1975	,0	.4	1	*::	,		Chevron USA Inc to TH
		1														Exploration II LLC & TH
10*26083	9-3-1	A	WILLIAM S BLAKE JR	CHEVRON USA INC	1/8+	861	535	N/A	Exploration LLC: 43/95							
10 20085	3-3-1	 ^	Trick and a second		1											Chevron USA Inc to TH
1												[Exploration II LLC & TH
10*26084	9-3-1	A	CYNTHIA A AND JAMES O DAVIDSON	CHEVRON USA INC	1/8+	889	46	N/A	Exploration LLC: 43/95							
	1															Chevron USA Inc to TH
		1								l l					11/4	Exploration II LLC & TH
10*26085	9-3-1	A	CLYDE R AND JANA HIGGINS	CHEVRON USA INC	1/8+	861	508	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH							
																Exploration II LLC & TH
1	1	1						N/4	N/A	Exploration LLC: 43/95						
10*26086	9-3-1	A	DELMAS W AND ROSE HIGGINS	CHEVRON USA INC	1/8+	861	503	N/A	N/A	IN/A	N/A	N/A	IN/A	11//	N/A	Chevron USA Inc to TH
1					1		j 1									Exploration II LLC & TH
10*26087	9-3-1	١.	JERRY L AND DENISE HIGGINS	CHEVRON USA INC	1/8+	861	526	N/A	Exploration LLC: 43/95							
		l A	LIERKT LAND DENISE MIGGINS	I CLIE A LICHA COM HAC		1 201	. 520	17/0	/^	1 .40	.41.					

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1979-1989 1-1-1 A 2008 1979-199-199-199-199-199-199-199-199-199	Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
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17-1895 3-1		!!			1	1	l					1	1		I .		Exploration II LLC & TH
17-1895 3-1		1 1		l	CUEVIDON LICA INC	1/0.	061	E40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
1-1- 1-1-	10*26088	9-3-1	Α	SHIRL W AND DORIS HIGGINS	CHEVRON USA INC	1/0+	901	340	I N/A	17/2	19/0	1976	1 1/2		1	.,,,,	
1-9-10 3-3 2 A A A A A A A A A		l i				1	1	ļ	1							1	I I
Common Service Comm	1	l i				1		ļ					1				
17-18/19/19/19/19/19/19/19/19/19/19/19/19/19/	10*26089	9.3.1	Δ .	ALVA LAND SHIRLEY HIGGINS	CHEVRON USA INC	1/8+	861	521	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1972 1974 1975	10 20003	3-3-2	<u> </u>	7 territorial di inicia di													Chevron USA Inc to TH
1972 1974 1975		1 1					1	l	l .		1						Exploration II LLC & TH
19-10-10-10-10-10-10-10-10-10-10-10-10-10-	1					4.0.				N/A	NI/A	l N/A	N/A	N/A	l N/A	N/A	
Part	10*26090	9-3-1	Α .	H DEAN AND KAREN HIGGINS	CHEVRON USA INC	1/8+	861	516	N/A	N/A	N/A	N/A	N/A	IN/A	IV/A	IN/A	
1979 9-34 A OPTICHMENT COMP 1979 1						1		l					1				
1978/1979 9-3-4 A AMENINAND SARAN CERES CHRONING NCC 1/20 564 20 N/A N							1	l	l				i i				
Second Line 1971 1972	40\$35004			LOCI ENE M MANN	CHEVRON USA INC	1/8+	864	55	l N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
1979/2017 9-3 A 1940/01 1940 194	10-26091	9-3-1	_ <u>^</u>	JOELENE IN IMANN	CHEVILORY CONTINUE	-,											Chevron USA Inc to TH
Marie Mari	i		l .			- 1	l	1									
19-12-19-19-19-19-19-19-19-19-19-19-19-19-19-						Ι.	1							***		l	
Serring Section Section Service Section Service Section Service Section Service Service Section Service Serv	10*26092	9-3-1	Α	SHAWN J AND SARAH E CREWS	CHEVRON USA INC	1/8+	864	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
127-10939 9-3-2 A OUTFIT SALES COME NOW WILLIAM COME - VIJE 0.5 1.0 1.						1									1		
197-1699 9-3-1 A DOTA HOLDER COLLEGE TO		1 1				i		!	l			l					Exploration II LLC & TH
1974599 9-3 A A A A A A A A A		1	١.	LOVES HOLDASS COME AND WILLIAM COME W/H	CHEVRON LISA INC	1/8+	861	493	l N/Δ	N/A	N/A	l N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
197-1993 9-2-1 A MART CURRY CHRISTON CALL 129- 855 120 MA NA	10*26093	9-3-1	A	JUTCE HOLIMES CONE AND WILLLIAM CONE - W/H	CHEVION OSA INC	1/0.		455		.,,,,,		.,,,,,				· · · · · · · · · · · · · · · · · · ·	Chevron USA Inc to TH
1975/004 9-3-3 A AMERICALITIES CONTROLLED AND CONTROLLED		1				1									1		
1975/1979 19-1 A						- 1		l	l			l .	1			l	
1971605 3-3-1 A CHRISTINA C MUSICON CHRISTINA C MUSICON	10*26094	9-3-1	l A	MARK L CURRY	CHEVRON USA INC	1/8+	865	102	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
107-16075 9-3-2		1								l	1						Chevron USA Inc to TH
Observed Observed						1						1	1		1	1	Exploration II LLC & TH
Observed Observed			١.		CHEVIDON LIEA INC	1/04	065	107	l N/A	N/A	N/A	N/Δ	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
19736097 9-9-1 A DANIO LERYSER CHEPRON USA INC 1/8+ 985 278 N/A	10*26095	9-3-1	A	CHRISTINA C MUNSON	CHEVRON USA INC	1/8+	863	107	IN/A	IN/A	19/0	1976	177		1		
19726977 9-9-1 A DAVID LETTER CHEVRON USA INC 1/8+ 850 173 N/A N/A		1				1									l		
Direction Dire	1												1 1				
Change C	10*26097	9_3_1	۱ ۵	DAVID I BEYSER	CHEVRON USA INC	1/8+	865	173	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10*26096 9-3-1 A DAMPER VISIONER OFFENDAME 1/9- 867 57 N/A	10 20037	J-3-1	 ^	DATE DE TOUR													Chevron USA Inc to TH
10*26096 9-3-1 A DAMPER VISIONER OFFENDAME 1/9- 867 57 N/A		1	1		1							1	1		1	l .	Exploration II LLC & TH
10°26/289 9-3-1 A CAROL TROWERDOE ET VIR	1	1	l			4/0.			A1/A	N/A	NI/A	l N/A	N/A	N/A	N/A	N/A	
10*26299 9-3-1 A CAROL TROWNBIDGE ET VIR	10*26098	9-3-1	Α	KIMBERLY J HOLDER	CHEVRON USA INC	1/8+	867	8/	N/A	IN/A	N/A	N/A	N/A	19/6	19/2	- 375	
10*26096 9-3-1 A CAROL TROWINDOE ET VIR ORIFORD USA INC 1/8+ 866 138 N/A					1	ı				l	1		1		1	1	
Oberon USA INC 1/2+ 866 67 N/A		1	1		1	i							1				
Obervio List Ret Did Obervio List Ret Did	10#26000	0.21	١,	CAPOL TROWRRINGS ST VIR	CHEVRON USA INC	1/8+	866	138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26120 9-3-1 A IOSEPH LAND ROSE MARIE MAUPIN CHEVRON USA INC 1/8+ 866 67 N/A	10-20099	3-3-1	 ^	CAROL TROWNINGE LT VIR		1 -7											Chevron USA Inc to TH
10*26120 9-3-1 A IOSEPH LAND ROSE MARIE MAUPIN CHEVRON USA INC 1/8+ 866 67 N/A					1					1	1				ŀ		Exploration ILLI C & TH
10°26120 9-3-1 A JAMES D AND LINDA D VOCUM		1			1				1	l		1	1 1/4	N1/A	1 1/4	l N/A	
10*26120 9-3-1 A JAMES D AND LINDA D YOCUM CHEVRON USA INC 1/8+ 884 635 N/A	10*26100	9-3-1	A	JOSEPH L AND ROSE MARIE MAUPIN	CHEVRON USA INC	1/8+	866	67	N/A_	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10*26120 9-3-1 A JAMES D AND LINDA D YOCUM		1			1		1						1		1		
10*26225 9-3-1 A SETTY BRYINER		1													1		
10*26225 9-3-1 A SETTY BRYINER	40*04400		١.	IANATE D AND LINDA D VOCUM	CHEVRON LISA INC	1/8+	884	635	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10°26121 9-3-1 A SETTY SRYNER	10*26120	9-3-1	- A	JAINES D'AND LINDA D'IOCOM	CIETRON CONTINC	1,0.							<u> </u>	•		·	Chevron USA Inc to TH
10°26121 9-3-1 A BETTY BRYNER CHEVRON USA INC 1/8+ 871 64 N/A					1	1	1	1							1		
10*26236 9-3-1 A SERALD W QUIGLEY AND VICKI L QUIGLEY CHEVRON USA INC 1/8+ 884 50 N/A N/			1		i	1	ı	1		l .	1 .			***	1	l	
Chevron Usa Inc & H Exploration II LC & TH Exploration II LC & TH	10*26121	9-3-1	A	BETTY BRYNER	CHEVRON USA INC	1/8+	871	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10*26236 9-3-1 A GERALD W QUIGLEY AND VICKI L QUIGLEY CHEVRON USA INC 1/8+ 884 50 N/A						- 1	1	1	l	l	1				1		
Chevron USA Into THE Chevron USA INC 1/8+ 889 40 N/A		1				- 1	1		i	l					1		Exploration II LLC & TH
Chevron USA Into THE Chevron USA INC 1/8+ 889 40 N/A		1	١.	CEDALD W OURCLEY AND VICKLE OURCLEY	CHEVPON LISA INC	1/8±	884	50	N/A	N/A	N/A	N/A	l N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26237 9-3-1 A FREDA L CAMPBELL CHEVRON USA INC 1/8+ 889 40 N/A	10*26236	9-3-1	A	GERALD W QUIGLET AND VICKI L QUIGLET	CHEVRON OSA INC	1,01	004	30	17/2	11/15	 	14					
10°26237 9.3-1 A FREDA L CAMPBELL CHEVRON USA INC 1/8+ 889 40 N/A		1	1			1	1	1	I	1		l			1		
10°26238 9-3-1 A MARSHA L MERCER CHEVRON USA INC 1/8+ 883 639 N/A N/A			1			1		1	I	1					l		
Chevron USA Inct or The Exploration LLC: 43/95	10*26237	9-3-1	A	FREDA L CAMPBELL	CHEVRON USA INC	1/8+	889	40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10*26238 9-3-1 A MARSHAL MERCER CHEVRON USA INC 1/8+ 883 639 N/A	10 20237	+	 ``														
10*26238 9-3-1 A MARSHAL MERCER CHEVRON USA INC 1/8+ 883 639 N/A		1	1		1	- 1		1									Exploration II LLC & TH
10*26288 9-3-1 A NARSHALL MERCER CHEVRON USA INC 1/8+ 888 542 N/A		1	1	l	CUE POST LICE THE	4.0.	,,,,	620	N/A	N/A	N/A	N1/A	N/A	N/A	N/A	N/A	
10*26287 9-3-1 A IVAN R AND MARY A BLAKE CHEVRON USA INC 1/8+ 888 542 N/A	10*26238	9-3-1	_ A _	MARSHA L MERCER	CHEVRON USA INC	1/8+	683	039	IV/A	N/A	IV/A	11/5	14/11	11/0	14/5	170	
10*26287 9-3-1 A IVAN R AND MARY A BLAKE CHEVRON USA INC 1/8+ 888 542 N/A					ı	1	1	1	I			ŀ			I	l	
10*2628 9-3-1 A REBECCA J BLAKE CHEVRON USA INC 1/8+ 888 571 N/A					1	1						I			1		
Chevron USA Inc to THE	10*25207	021		IIVAN R AND MARY A BLAKE	CHEVRON USA INC	1/8+	888	542	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
Exploration	10,79791	3-2-1	 ^	THOSE OF SHEAT OF SERVICE								· · · · · · · · · · · · · · · · · · ·					Chevron USA Inc to TH
10*26288 9-3-1 A REBECCA J BLAKE CHEVRON USA INC 1/8+ 888 571 N/A	1	1	1		1		1	1	I			I	1		I		
Chevron USA Inc to TH Exploration II LLC & TH Exploration II LLC	1	1	1			Ι.	1	l	1	l		l	,,,	N1 / A	N/4	A1/A	
Chevron USA Inc to 1	10*26288	9-3-1	A	REBECCA J BLAKE	CHEVRON USA INC	1/8+	888	571	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10*26289 9-3-1 A DUANETTA B BLAKE FROMHART CHEVRON USA INC 1/8+ 888 574 N/A		1					I	1	1			1	1		I	İ	
10°26289 9-3-1 A DUANETTA B BLAKE PROVINGANI Chevron USA Inc to TH Exploration II LLC & TH	1	1	1		1	1	1	1		1		1			1		Exploration II LLC & TH
10°26289 9-3-1 A DUANETTA B BLAKE PROVINGANI Chevron USA Inc to TH Exploration II LLC & TH		1	١.	DUANETTA B DI AVE EDOMINADT	CHEVBON LISA INC	1/9±	999	574	N/A	N/A	N/A	N/A	N/A	N/A	N/A	l N/A	Exploration LLC: 43/95
Exploration II LLC & TH	10*26289	9-3-1	_ A	DUANETTA B BLAKE PROMHAKT	CHEVROIN USA INC	1/0+	000	3/4	11/0	17/2	11/0	176				.,,	
11 11 11 11 11 11 11 11 11 11 11 11 11	i	1	1		1	1	1	1	1	1		1			I	1	
10*26291 9-3-1 A BARBARA A BLAKE MASON CHEVRON USA INC 1/8+ 901 125 N/A	1	1	1	•	1		1	1				1	1		l		
	10*26291	9-3-1	l a	BARBARA A BLAKE MASON	CHEVRON USA INC	1/8+	901	125	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95

Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
Ecuse 1D	10.00.															Chevron USA Inc to TH
i i										,,,	A1 / A	N/A	N/A	N/A	N/A	Exploration II LLC & TH Exploration LLC: 43/95
10*26292	9-3-1	Α	JUDITH L BLAKE	CHEVRON USA INC	1/8+	882	329	N/A	N/A	N/A	N/A	N/A	N/A	I N/A	N/A	Chevron USA Inc to TH
																Exploration II LLC & TH
			LAV C CURRY	CHEVRON USA INC	1/8+	882	433	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26293	9-3-1	A	JAY C CURRY	CHEVION OSA INC	1,0.	- 002	1-133	.,,,,	1,417							Chevron USA Inc to TH
1																Exploration II LLC & TH
10*26294	9-3-1	l a	JOAN A GIEGER	CHEVRON USA INC	1/8+	880	509	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
																Chevron USA Inc to TH
1													****		****	Exploration II LLC & TH Exploration LLC: 43/95
10*26295	9-3-1	Α	ARTHUR LEE WARYCK	CHEVRON USA INC	1/8+	880	512	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
		1														Exploration II LLC & TH
	!	١.	CALL O CALLEDY SIL	CHEVRON USA INC	1/8+	883	530	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26296	9-3-1	_ A	CARL G CALDWELL	CHEVRON OSA INC	1/0+	003	330	N/A	N/A	11/2			.4	.,,		Chevron USA Inc to TH
																Exploration II LLC & TH
10*26297	9-3-1	A	DIANA L MCKINNEY	CHEVRON USA INC	1/8+	885	560	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20237	777	<u> </u>														Chevron USA Inc to TH
																Exploration II LLC & TH
10*26298	9-3-1	Α	JANE HENDRICKSON	CHEVRON USA INC	1/8+	886	429	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
																Exploration II LLC & TH
					4/0.	886	432	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26299	9-3-1	A	BETTY WILKINSON DANIEL A MCVANE AIF	CHEVRON USA INC	1/8+	886	432	N/A	IN/A	IN/A	N/A	19/5	1976	1770	N/A	Chevron USA Inc to TH
																Exploration II LLC & TH
10*26300	9-3-1	l a	JILL LORI HENNEN BARNETT	CHEVRON USA INC	1/8+	886	439	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26300	9-3-1		THE EORI HENVEN DAMNETT	GIIZVIIGII GGIVIII												
1		l														
10*27180	9-3-1	A	TAMALA SCOLLICK	TH EXPLORATION LLC	1/8+	1053	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							l i				N/A	N/A	N/A	N/A	N/A	N/A
10*27181	9-3-1	A	CRYSTAL THOMAS	TH EXPLORATION LLC	1/8+	1052	648 255	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A	N/A	N/A N/A	N/A
10*27703	9-3-1		RONALD W MOORE	TH EXPLORATION LLC TH EXPLORATION LLC	1/8+	1061 1074	593	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*26711	9-2-10.1	В	CNX GAS COMPANY LLC JOYCE A WALLACE	CHEVRON USA INC	1/8+	863	296	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26044	9-3-1.1	٠.	JOTCE A WALLACE	CHEVILOR CONTING	1,0.				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							Chevron USA Inc to TH
																Exploration II LLC & TH
10*26047	9-3-1.1	l c	ROBERT D BLAKE AND ATHENA LIBERTY BLAKE	CHEVRON USA INC	1/8+	863	138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 200 17	1 0 2 1 2 1															Chevron USA Inc to TH
1															***	Exploration II LLC & TH Exploration LLC: 43/95
10*26048	9-3-1.1	С	LOIS J ELIAS AND LOUIS J ELIAS	CHEVRON USA INC	1/8+	861	599	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
					1											Exploration II LLC & TH
				CHEVRON USA INC	1/8+	863	560	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26049	9-3-1.1	C	MARY H HUBBS	CHEVRON USA INC	1/0+	803	360	N/A	- 1970	11/7	N/A	.,,,,,	.,,,,			Chevron USA Inc to TH
	1	1														Exploration II LLC & TH
10*26050	9-3-1.1	c	BERNARD O CROW AND KAREN S CROW	CHEVRON USA INC	1/8+	863	627	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20030	7 7 7 7 7	۱Ť														Chevron USA Inc to TH
1	1	1														Exploration II LLC & TH
10*26051	9-3-1.1	c	ROBERT W KIDNER	CHEVRON USA INC	1/8+	863	644	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
					1											Chevron USA Inc to TH Exploration II LLC & TH
		1		CUENDON:	4.0	853		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26052	9-3-1.1	C	BETTY J BLAKE	CHEVRON USA INC	1/8+	863	545	N/A	IN/A	IN/A		19/0	11/15	17/5	170	Chevron USA Inc to TH
1																Exploration II LLC & TH
10*26053	9-3-1.1	c	ANTHONY T MOORE	CHEVRON USA INC	1/8+	854	343	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10.56023	3-3-1.1	+	AH HOULE	5		1	1									Chevron USA Inc to TH
																Exploration II LLC & TH
10*26054	9-3-1.1	c	HIRAM VERNON MOORE	CHEVRON USA INC	1/8+	854	353	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
	+	1 -										1		1		Chevron USA Inc to TH
	1		I			1										
	1		LARRY W MOORE SR	CHEVRON USA INC	1/8+	854	348	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration II LLC & TH Exploration LLC: 43/95

Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment							
Lease 1D	, arcci	iu _b	Grantory Econory 210		,											Chevron USA Inc to TH
		1														Exploration II LLC & TH
10*26056	9-3-1.1	c	RONALD W MOORE	CHEVRON USA INC	1/8+	854	338	N/A	Exploration LLC: 43/95							
																Chevron USA Inc to TH
	1					1						1				Exploration II LLC & TH
10*26057	9-3-1.1	l c	JOHN PURDY AND BRENDA S PURDY	CHEVRON USA INC	1/8+	854	420	N/A	Exploration LLC: 43/95							
	1															Chevron USA Inc to TH
	1			1												Exploration II LLC & TH
10*26058	9-3-1.1	l c	CAROLE J WOOD	CHEVRON USA INC	1/8+	854	415	N/A	Exploration LLC: 43/95							
																Chevron USA Inc to TH
	1					1										Exploration II LLC & TH
10*26059	9-3-1.1	С	TERRY L BLAKE	CHEVRON USA INC	1/8+	854	215	N/A	Exploration LLC: 43/95							
					1	1										Chevron USA Inc to TH
	1				1											Exploration II LLC & TH
10*26060	9-3-1.1	С	ROBERT C BLAKE AND LYN BLAKE	CHEVRON USA INC	1/8+	854	333	N/A	Exploration LLC: 43/95							
							1									Chevron USA Inc to TH
	1											1 . 1				Exploration II LLC & TH
10*26061	9-3-1.1	С	RODNEY W AND LINDA L HUBBS	CHEVRON USA INC	1/8+	854	435	N/A	Exploration LLC: 43/95							
	1															Chevron USA Inc to TH
	1											l l	***	N/A		Exploration II LLC & TH
10*26062	9-3-1.1	C	SHANNON ROGER AND LORRAINE HUBBS	CHEVRON USA INC	1/8+	854	233	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH							
	1													ļ		Exploration II LLC & TH
	1						l l				41/4	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26063	9-3-1.1	С	PATTY L RINE AND FLOYD D RINE	CHEVRON USA INC	1/8+	854	238	N/A	N/A	N/A	N/A	N/A	N/A	I N/A	IN/A	Chevron USA Inc to TH
	1															Exploration II LLC & TH
				l					41/4		N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26064	9-3-1.1	С	CATHARINE LEE BLAKE	CHEVRON USA INC	1/8+	863	550	N/A	N/A	N/A	N/A	IN/A	N/A	IN/A	IN/A	Chevron USA Inc to TH
																Exploration II LLC & TH
					4/0.	050		31/4	N/A	Exploration LLC: 43/95						
10*26066	9-3-1.1	C	DANNY E AND MARVA L BEYSER	CHEVRON USA INC	1/8+	858	36	N/A	N/A	N/A	N/A	IN/A	IN/A	11/0	11/2	Chevron USA Inc to TH
	1	l										1			l	Exploration II LLC & TH
		١ ـ	DOLLAR DEVICES	CHEVRON USA INC	1/8+	858	41	N/A	Exploration LLC: 43/95							
10*26067	9-3-1.1	С	DONALD DEAN BEYSER	CHEVRON OSA INC	1/0+	636	41	IV/A	11/5	170		197	1471	1	.,,,,	Chevron USA Inc to TH
						1										Exploration II LLC & TH
10*26068	9-3-1.1	c	GARY F BLAKE AND DORIS E BLAKE	CHEVRON USA INC	1/8+	858	31	N/A	Exploration LLC: 43/95							
10.50009	9-3-1.1	٠	GART F BLAKE AND DORIS E BLAKE	CHEVROIT OSA INC	1-2/01	1 000	- 32	N/A			.,,,,	1			· · · · · · · · · · · · · · · · · · ·	Chevron USA Inc to TH
																Exploration II LLC & TH
10*26069	9-3-1.1	c	MARILYN SUE REILLEY	CHEVRON USA INC	1/8+	857	597	N/A	Exploration LLC: 43/95							
10 20003	3-3-1.1	─ `	WINNETH SOL NEIGEL		1 -7-											Chevron USA Inc to TH
																Exploration II LLC & TH
10*26070	9-3-1.1	c	MARY W HOLMES	CHEVRON USA INC	1/8+	857	602	N/A	Exploration LLC: 43/95							
																Chevron USA Inc to TH
										1						Exploration II LLC & TH
10*26071	9-3-1.1	c	CHARLENE LORRAINE BAKER	CHEVRON USA INC	1/8+	857	607	N/A	Exploration LLC: 43/95							
																Chevron USA Inc to TH
					1	1										Exploration II LLC & TH
10*26072	9-3-1.1	С	JAMES L BLAKE	CHEVRON USA INC	1/8+	857	616	N/A	Exploration LLC: 43/95							
																Chevron USA Inc to TH
		1			1											Exploration II LLC & TH
10*26073	9-3-1.1	С	DARLENE L BEYSER	CHEVRON USA INC	1/8+	860	176	N/A	Exploration LLC: 43/95							
																Chevron USA Inc to TH
					1.							·	11/4			Exploration II LLC & TH
10*26074	9-3-1.1	С	RANDYLYN MOORE AKA RANDY MOORE	CHEVRON USA INC	1/8+	860	166	N/A	Exploration LLC: 43/95							
												1				Chevron USA Inc to TH Exploration II LLC & TH
				l	1		.			1	A1/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26075	9-3-1.1	С	BETTY JOANN CECIL	CHEVRON USA INC	1/8+	860	119	N/A	Chevron USA Inc to TH							
		1				I	1 1									Exploration II LLC & TH
		1		l			ا ا			""	N/A	N/A	N/A	N/A	N/A	Exploration II LLC & TH
10*26076	9-3-1.1	С	DORIS IMOGENE GARRISON	CHEVRON USA INC	1/8+	860	114	N/A	Chevron USA Inc to TH							
							j							1		Exploration II LLC & TH
		1 .		CHEMBON INC. INC.		000	ا ا	N/4	N/A	Exploration LLC: 43/95						
10*26077	9-3-1.1	l c	DOROTHY J AND ROBERT M BLAKE	CHEVRON USA INC	1/8+	860	104	N/A	N/A	N/A	N/A	I N/A	IN/A	IN/A	N/A	LEADIOI AUDIT LLC. 43/33

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Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment								
- ccuse is	1															Chevron USA Inc to TH
															N/A	Exploration II LLC & TH Exploration LLC: 43/95
10*26078	9-3-1.1	Ç	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	860	228	N/A	Chevron USA Inc to TH							
					1		1									Exploration II LLC & TH
	1 1			l					11/4	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26079	9-3-1.1	С	MARY O'DESSA HARRIS LOUDEN	CHEVRON USA INC	1/8+	860	109	N/A	N/A	N/A	N/A		11/15	.,,,,	.,,	Chevron USA Inc to TH
1	1		COLORON DIANGLICIANES IAUNI AND MULTI ANALUENDY IAUNI III		1	1	ĺ							1		Exploration II LLC & TH
			SHARON DIANE HOLMES JAHN AND WILLILAM HENRY JAHN III - W/H	CHEVRON USA INC	1/8+	860	217	N/A	Exploration LLC: 43/95							
10*26080	9-3-1.1		W/n	CILEVILOR COATRO	1,0.			.,,			<u> </u>					Chevron USA Inc to TH
	1				1											Exploration II LLC & TH
10*26081	9-3-1.1	c	CYNTHIA JEAN AND EDDIE W WILSON	CHEVRON USA INC	1/8+	861	545	N/A	Exploration LLC: 43/95							
10 1000												i				Chevron USA Inc to TH
							1	ĺ								Exploration II LLC & TH Exploration LLC: 43/95
10*26082	9-3-1.1	С	BRIAN C AND SARA M LUTZ	CHEVRON USA INC	1/8+	861	550	N/A	Chevron USA Inc to TH							
						l										Exploration II LLC & TH
				l		١			N/A	Exploration LLC: 43/95						
10*26083	9-3-1.1	_ c	WILLIAM S BLAKE JR	CHEVRON USA INC	1/8+	861	535	N/A	N/A	N/A	19/5	11/1			.,,	Chevron USA Inc to TH
	1 1															Exploration II LLC & TH
10*26084	9-3-1.1	_	CYNTHIA A AND JAMES O DAVIDSON	CHEVRON USA INC	1/8+	889	46	N/A	Exploration LLC: 43/95							
10*26084	9-3-1.1		CTNTHIA A AND JAINES O DAVIDSON	CHEVROIT OSK INC	1,0:	- 555	 	.,,,,,	.,,							Chevron USA Inc to TH
				1		l										Exploration II LLC & TH
10*26085	9-3-1.1	l c	CLYDE R AND JANA HIGGINS	CHEVRON USA INC	1/8+	861	508	N/A	Exploration LLC: 43/95							
																Chevron USA Inc to TH
	1			1												Exploration II LLC & TH
10*26086	9-3-1.1	С	DELMAS W AND ROSE HIGGINS	CHEVRON USA INC	1/8+	861	503	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH							
						1								İ		Exploration II LLC & TH
								N/A	Exploration LLC: 43/95							
10*26087	9-3-1.1	C	JERRY L AND DENISE HIGGINS	CHEVRON USA INC	1/8+	861	526	N/A	IN/A	11/2	19/6	19/2			.,,.,	Chevron USA Inc to TH
							İ									Exploration II LLC & TH
40*25000	9-3-1.1	_	SHIRL W AND DORIS HIGGINS	CHEVRON USA INC	1/8+	861	540	N/A	Exploration LLC: 43/95							
10*26088	9-3-1.1		SHIRE W AND DON'S HIGGINS	CHEVROIT OUT INC	1 2/0			.,								Chevron USA Inc to TH
						1										Exploration II LLC & TH
10*26089	9-3-1.1	c	ALVA L AND SHIRLEY HIGGINS	CHEVRON USA INC	1/8+	861	521	N/A	Exploration LLC: 43/95							
					1											Chevron USA Inc to TH Exploration II LLC & TH
		İ			1.							N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26090	9-3-1.1	<u> </u>	H DEAN AND KAREN HIGGINS	CHEVRON USA INC	1/8+	861	516	N/A	N/A	N/A	N/A	N/A	IN/A	N/A	N/A	Chevron USA Inc to TH
ļ		1														Exploration II LLC & TH
			LOGI FILE ALAMAN	CHEVRON USA INC	1/8+	864	55	N/A	Exploration LLC: 43/95							
10*26091	9-3-1.1	С	JOELENE M MANN	CHEVRON OSA INC	1/01	- 004	- 33	IV/A	.,,,,	.,,	.,,.,					Chevron USA Inc to TH
İ							1	1								Exploration II LLC & TH
10*26092	9-3-1.1	c	SHAWN J AND SARAH E CREWS	CHEVRON USA INC	1/8+	864	50	N/A	Exploration LLC: 43/95							
10 20032	1 7 7 1.1	<u> </u>			1											Chevron USA Inc to TH
1				1	1							l			1	Exploration II LLC & TH
10*26093	9-3-1.1	С	JOYCE HOLMES CONE AND WILLLIAM CONE - W/H	CHEVRON USA INC	1/8+	861	493	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH							
					1											Exploration II LLC & TH
1		1			1 4/0	0.00	400	N/A	Exploration LLC: 43/95							
10*26094	9-3-1.1	С	MARK L CURRY	CHEVRON USA INC	1/8+	865	102	N/A	N/A	IN/A	II/A	17/5	19/5	.,,,,	1,7,1	Chevron USA Inc to TH
																Exploration II LLC & TH
10*25005	0211	1 _	CHRISTINA C MUNSON	CHEVRON USA INC	1/8+	865	107	N/A	Exploration LLC: 43/95							
10*26095	9-3-1.1	l c	CHRISTINA CIVIONSON	C.I.L. HOLL SOA INC	1 -/	1 333	<u>-</u>	1					-/-			Chevron USA Inc to TH
							1								İ	Exploration II LLC & TH
10*26097	9-3-1.1	c	DAVID L BEYSER	CHEVRON USA INC	1/8+	865	173	N/A	Exploration LLC: 43/95							
	 	T														Chevron USA Inc to TH
						1							N. 24	,,,,	11/4	Exploration II LLC & TH Exploration LLC: 43/95
10*26098	9-3-1.1	С	KIMBERLY J HOLDER	CHEVRON USA INC	1/8+	867	87	N/A	Chevron USA Inc to TH							
					1		1								1	Exploration II LLC & TH
		1		CHEMBON HEATING	1/8+	866	138	N/A	Exploration LLC: 43/95							
10*26099	9-3-1.1	l c	CAROL TROWBRIDGE ET VIR	CHEVRON USA INC	1 1/0+	000	1 130	1 11/7	11/0	1975		.,,,,	.4	1 232	·	

9-3-1.1 C TAMALA SCOLLICK

C CRYSTAL THOMAS

10*27180

10*27181

9-3-1.1

Assignment Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95

Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95

Chevron USA Inc to TH Exploration II LLC & TH Exploration LLC: 43/95 Chevron USA Inc to TH

Assignment

N/A

N/A

Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed B	ook/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
.0*26100	9-3-1.1	С	JOSEPH L AND ROSE MARIE MAUPIN	CHEVRON USA INC	1/8+	866	67	N/A						
0*26120	9-3-1.1	С	JAMES D AND LINDA D YOCUM	CHEVRON USA INC	1/8+	884	635	N/A						
				CHEVRON USA INC	1/8+	871	64	N/A						
0*26121	9-3-1.1	С	BETTY BRYNER							N/A	N/A	N/A	N/A	N/A
0*26236	9-3-1.1	C	GERALD W QUIGLEY AND VICKI L QUIGLEY	CHEVRON USA INC	1/8+	884	50	N/A	N/A					
0*26237	9-3-1.1	С	FREDA L CAMPBELL	CHEVRON USA INC	1/8+	889	40	N/A						
D*26238	9-3-1.1	с	MARSHA L MERCER	CHEVRON USA INC	1/8+	883	639	N/A						
0*26287	9-3-1.1	с	IVAN R AND MARY A BLAKE	CHEVRON USA INC	1/8+	888	542	N/A						
0*26288	9-3-1.1	с	REBECCA J BLAKE	CHEVRON USA INC	1/8+	888	571	N/A						
0*26289	9-3-1.1	С	DUANETTA B BLAKE FROMHART	CHEVRON USA INC	1/8+	888	574	N/A						
.0*26291	9-3-1.1	c	BARBARA A BLAKE MASON	CHEVRON USA INC	1/8+	901	125	N/A						
10*26292	9-3-1.1		JUDITH L BLAKE	CHEVRON USA INC	1/8+	882	329	N/A						
				CHEVRON USA INC	1/8+	882	433	N/A						
10*26293	9-3-1.1		JAY C CURRY							N/A	N/A	N/A	N/A	N/A
10*26294	9-3-1.1	СС	JOAN A GIEGER	CHEVRON USA INC	1/8+	880	509	N/A	N/A					
10*26295	9-3-1.1		ARTHUR LEE WARYCK	CHEVRON USA INC	1/8+	880	512	N/A						
10*26296	9-3-1.1	С	CARL G CALDWELL	CHEVRON USA INC	1/8+	883	530	N/A						
10*26297	9-3-1.1	с	DIANA L MCKINNEY	CHEVRON USA INC	1/8+	885	560	N/A						
10*26298	9-3-1.1	С	JANE HENDRICKSON	CHEVRON USA INC	1/8+	886	429	N/A						
10*26299	9-3-1.1	с	BETTY WILKINSON DANIEL A MCVANE AIF	CHEVRON USA INC	1/8+	886	432	N/A						
10*26300	9-3-1.1	С	JILL LORI HENNEN BARNETT	CHEVRON USA INC	1/8+	886	439	N/A						
10*26711	9-3-1.1		CNX GAS COMPANY LLC	TH EXPLORATION LLC	1/8+	1039	1	N/A						
10 70/11	3-3-1.1	+	CITA CAD COITH AITT LLC		-,	4055		N/A	11/4	N/A	N/A	N/A	N/A	N/A

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TH EXPLORATION LLC

TH EXPLORATION LLC

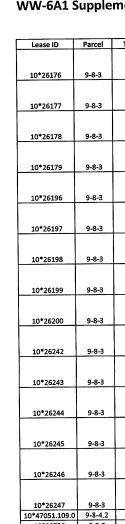
Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
Lease 15									1							Chevron USA Inc to TH
	1 1				l .							1				Exploration II LLC & TH
10*27703	9-3-1.1	С	RONALD W MOORE	TH EXPLORATION LLC	1/8+	1061	255	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
	1												TriEnergy Holdings LLC to	NPAR LLC to Chevron	TriEnergy Inc to Chevron	
	l l	_	NAME OF THE PARTY	TRIENERGY HOLDINGS LLC	1/8+	737	248	N/A	N/A	N/A	N/A	N/A	NPAR LLC: 25/449	USA Inc: 756/332	USA Inc: 28356	Exploration LLC: 43/95
10*26018	9-3-1.3	D	NANCY L WEST	TRIENERGT HOLDINGS LLC	1,01	,,,	240			1475		1,7.1				
																Chevron USA Inc to TH
																Exploration II LLC & TH
10*26044	9-3-1.3	D	JOYCE A WALLACE	CHEVRON USA INC	1/8+	863	296	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
												İ				Chevron USA Inc to TH
				ŀ												Exploration II LLC & TH
10*26047	9-3-1.3	D	ROBERT D BLAKE AND ATHENA LIBERTY BLAKE	CHEVRON USA INC	1/8+	863	138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
	1											1				Exploration II LLC & TH
		_	LOIS LEUAS AND LOUIS LEUAS	CHEVRON USA INC	1/8+	861	599	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26048	9-3-1.3	D	LOIS J ELIAS AND LOUIS J ELIAS	CHEVRON USA INC	1/0+	901	333	IN/A	N/A	19/4		11/2	1975	17/7	14/7	Chevron USA Inc to TH
																Exploration II LLC & TH
10*26049	9-3-1.3	ם	MARY H HUBBS	CHEVRON USA INC	1/8+	863	560	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 200-3	332.5															Chevron USA Inc to TH
															i .	Exploration II LLC & TH
10*26050	9-3-1.3	D	BERNARD O CROW AND KAREN S CROW	CHEVRON USA INC	1/8+	863	627	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
																Chevron USA Inc to TH Exploration II LLC & TH
					410.		644	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26051	9-3-1.3	D	ROBERT W KIDNER	CHEVRON USA INC	1/8+	863	644	N/A	N/A	N/A	N/A	IN/A	N/A	IN/A	IN/A	Chevron USA Inc to TH
															1	Exploration II LLC & TH
10*26052	9-3-1.3	٦	BETTY J BLAKE	CHEVRON USA INC	1/8+	863	545	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20032	3-3-1.3	<u> </u>	DETITY OFFICE		,				,							Chevron USA Inc to TH
	1															Exploration II LLC & TH
10*26053	9-3-1.3	D	ANTHONY T MOORE	CHEVRON USA INC	1/8+	854	343	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
																Chevron USA Inc to TH
											***			11/4		Exploration II LLC & TH
10*26054	9-3-1.3	D	HIRAM VERNON MOORE	CHEVRON USA INC	1/8+	854	353	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
İ																Exploration II LLC & TH
10*26055	9-3-1.3	D	LARRY W MOORE SR	CHEVRON USA INC	1/8+	854	348	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26055	9-3-1.3	- U	LARRY W WIOORE SR	CHEVROIT OSA INC	1/61	0.54	340	17/5	14/5	17/2		,	147.	.,,	.,,,,	Chevron USA Inc to TH
							1									Exploration II LLC & TH
10*26056	9-3-1.3	l _D	RONALD W MOORE	CHEVRON USA INC	1/8+	854	338	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
																Chevron USA Inc to TH
							1			_						Exploration II LLC & TH
10*26057	9-3-1.3	D_	JOHN PURDY AND BRENDA S PURDY	CHEVRON USA INC	1/8+	854	420	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
	1												ļ			Exploration II LLC & TH
		_		CHEVRON USA INC	1/8+	854	415	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26058	9-3-1.3	D	CAROLE J WOOD	CHEVRON OSA INC	1/07	034	413	11/2	1976	14/7		,,,,		147.	1,47.	Chevron USA Inc to TH
		1								İ						Exploration II LLC & TH
10*26059	9-3-1.3	D	TERRY L BLAKE	CHEVRON USA INC	1/8+	854	215	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
	1															Chevron USA Inc to TH
											***	ļ ,		l		Exploration II LLC & TH
10*26060	9-3-1.3	D	ROBERT C BLAKE AND LYN BLAKE	CHEVRON USA INC	1/8+	854	333	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
														1		Exploration II LLC & TH
40*****	0015	_	PODNEY W AND LINDA I HURRS	CHEVRON USA INC	1/8+	854	435	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26061	9-3-1.3	D	RODNEY W AND LINDA L HUBBS	CHEVRON OSA INC	1/0+	034	733	17/5	0/0	17/7	14/15	.,,,,	.,,,,	.,,,,	1	Chevron USA Inc to TH
	1	1			1	1	1									Exploration II LLC & TH
10*26062	9-3-1.3	D	SHANNON ROGER AND LORRAINE HUBBS	CHEVRON USA INC	1/8+	854	233	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20002	+	╁╌			1											Chevron USA Inc to TH
	1				1					·				1		Exploration II LLC & TH
10*26063	9-3-1.3	D	PATTY L RINE AND FLOYD D RINE	CHEVRON USA INC	1/8+	854	238	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
						1				1						Chevron USA Inc to TH Exploration II LLC & TH
	1.	1		CHEMBON HIS A THIC	1/0:	000	F	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration II LLC & TH Exploration LLC: 43/95
10*26064	9-3-1.3	l D	CATHARINE LEE BLAKE	CHEVRON USA INC	1/8+	863	550	IN/A	N/A	IN/A	IN/A	I N/A	I IV/A	1 14/75	1 11/7	Enploration ELC. 43/33

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Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
Lease 1D	, uree.															Chevron USA Inc to TH
				1	1	1		1		1						Exploration II LLC & TH
			DANNY E AND MARVA L BEYSER	CHEVRON USA INC	1/8+	858	36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26066	9-3-1.3	D	DANNY E AND WARVA L BETSER	CHEVION OSA INC	1/01	- 030	- 30			.,,.						Chevron USA Inc to TH
	l			1			1			1		1				Exploration II LLC & TH
							l l	1		N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26067	9-3-1.3	D	DONALD DEAN BEYSER	CHEVRON USA INC	1/8+	858	41	N/A	N/A	N/A	N/A	N/A	N/A	17/5	11/2	Chevron USA Inc to TH
					- 1											Exploration II LLC & TH
	1			i					i		_					
10*26068	9-3-1.3	D	GARY F BLAKE AND DORIS E BLAKE	CHEVRON USA INC	1/8+	858	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 10000	332.5															Chevron USA Inc to TH
	1 1				1	1										Exploration II LLC & TH
10*26069	9-3-1.3	D	MARILYN SUE REILLEY	CHEVRON USA INC	1/8+	857	597	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10-26069	9-3-1.3		IVIARIETY SOE REIEEE	C.I.Z.II.G.I.	1 3/2											Chevron USA Inc to TH
	1 1			1		1		i		l .						Exploration II LLC & TH
	1			CHEVRON USA INC	1/8+	857	602	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26070	9-3-1.3	D	MARY W HOLMES	CHEVRON USA INC	1/07	- 83/	002	11/5	19/5	177	.,,,,	.,,				Chevron USA Inc to TH
	1				1	1										Exploration II LLC & TH
	1 1			1				1 .		l I				1 1/4	N/A	Exploration LLC: 43/95
10*26071	9-3-1.3	D	CHARLENE LORRAINE BAKER	CHEVRON USA INC	1/8+	857	607	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
					- 1		1									Chevron USA Inc to TH
					- 1		1									Exploration II LLC & TH
10*26072	9-3-1.3	n .	JAMES L BLAKE	CHEVRON USA INC	1/8+	857	616	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 26072	3-3-1.3		JANUES E DEPARE			i										Chevron USA Inc to TH
	1			1	1										1	Exploration II LLC & TH
	1 . 1	١.		CHEVRON USA INC	1/8+	860	176	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26073	9-3-1.3	D	DARLENE L BEYSER	CHEVRON OSA INC	1/01	800	170	11/6	14/1		.,,					Chevron USA Inc to TH
1				1		1	1									Exploration II LLC & TH
	1	ŀ		1		l				l l		N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26074	9-3-1.3	D	RANDYLYN MOORE AKA RANDY MOORE	CHEVRON USA INC	1/8+	860	166	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
					l	1		1								
	1 1	l		1	i	1				1 1				1		Exploration II LLC & TH
10*26075	9-3-1.3	D	BETTY JOANN CECIL	CHEVRON USA INC	1/8+	860	119	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20073	331.3						1								i	Chevron USA Inc to TH
					- 1											Exploration II LLC & TH
	1	١ ـ	DORIS IMOGENE GARRISON	CHEVRON USA INC	1/8+	860	114	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26076	9-3-1.3	D_	DORIS IMOGENE GARRISON	CHEVRON OSA INC	1,0.	1 000		147.	.,,,,,	1,7.						Chevron USA Inc to TH
		l					1					1		1	l .	Exploration II LLC & TH
1				l	1				A1/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26077	9-3-1.3	D	DOROTHY J AND ROBERT M BLAKE	CHEVRON USA INC	1/8+	860	104	N/A	N/A	IN/A	N/A	IN/A	11/4	11/2	11/2	Chevron USA Inc to TH
					- 1	1	1									
		ľ			- 1		1		1		_					Exploration II LLC & TH
10*26078	9-3-1.3	l D	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	860	228	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20070	1000											1		1		Chevron USA Inc to TH
	1					1	i									Exploration II LLC & TH
40405070	9-3-1.3	D	MARY O'DESSA HARRIS LOUDEN	CHEVRON USA INC	1/8+	860	109	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26079	9-3-1.5	-	MART O DESSA HARRIS ECOBER					· · · · · · · · · · · · · · · · · · ·								Chevron USA Inc to TH
			THE PARTY OF THE P			1										Exploration II LLC & TH
			SHARON DIANE HOLMES JAHN AND WILLILAM HENRY JAHN III -		4/0.	000	217	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26080	9-3-1.3	D	W/H	CHEVRON USA INC	1/8+	860	21/	N/A	IV/A		11/0	11/0	1970	1 190	····	Chevron USA Inc to TH
						1	1		I							Exploration II LLC & TH
	1								l					11/4		
10*26081	9-3-1.3	D	CYNTHIA JEAN AND EDDIE W WILSON	CHEVRON USA INC	1/8+	861	545	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
		T														Chevron USA Inc to TH
	I	1				1	1									Exploration II LLC & TH
10*26082	9-3-1.3	D	BRIAN C AND SARA M LUTZ	CHEVRON USA INC	1/8+	861	550	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10.50087	1 3-3-1.5	-	Diam's Control of the		1	1	T									Chevron USA Inc to TH
1	1	1		I		1			I							Exploration II LLC & TH
	1		LUMINA A BLAKE ID	CHEVRON USA INC	1/8+	861	535	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26083	9-3-1.3	D	WILLIAM S BLAKE JR	CUEAKOIA O24 IIAC	1/8+	1 901	355	14/A	. 11/0	17/5	195	.,,,,	.,,		1901	Chevron USA Inc to TH
	1	1		1		1	1		i					1		Exploration II LLC & TH
						1 .				<u>".</u>			N/A	NI/A	N/A	Exploration LLC: 43/95
10*26084	9-3-1.3	D	CYNTHIA A AND JAMES O DAVIDSON	CHEVRON USA INC	1/8+	889	46	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
						İ		1								Chevron USA Inc to TH
					1	1										Exploration II LLC & TH
	9-3-1.3	D	CLYDE R AND JANA HIGGINS	CHEVRON USA INC	1/8+	861	508	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26085														1	I	Chevron USA Inc to TH
10*26085	3-3-1.3		l	1												
10*26085	3-3-1.3						1									Exploration II LLC & TH
10*26085	9-3-1.3	D	DELMAS W AND ROSE HIGGINS	CHEVRON USA INC	1/8+	861	503	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
Lease 1.5	1															Chevron USA Inc to TH
				1										i		Exploration II LLC & TH
10*26087	9-3-1.3	D	JERRY L AND DENISE HIGGINS	CHEVRON USA INC	1/8+	861	526	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 2000/	332.5															Chevron USA Inc to TH
	1 1				1											Exploration II LLC & TH
10*26088	9-3-1.3	n	SHIRL W AND DORIS HIGGINS	CHEVRON USA INC	1/8+	861	540	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20088	3-3-1.3		STILL WAITS SOLIS THEORY		1 7											Chevron USA Inc to TH
	1 1				1											Exploration II LLC & TH
10*26089	9-3-1.3	D	ALVA L AND SHIRLEY HIGGINS	CHEVRON USA INC	1/8+	861	521	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20089	3-3-1.3		ALVA E AND STRIKE I THOUGHT		1 7											Chevron USA Inc to TH
	1 1			1	1	l										Exploration II LLC & TH
10*26090	9-3-1.3	D	H DEAN AND KAREN HIGGINS	CHEVRON USA INC	1/8+	861	516	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26090	9-3-1.5		IN DEAN AND RAKEN THOUNS	CHEVILOR CONTINU	1 2/0:			.,,								Chevron USA Inc to TH
	1				1]										Exploration II LLC & TH
10*26091	9-3-1.3	D	JOELENE M MANN	CHEVRON USA INC	1/8+	864	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10-26091	9-3-1.3		JOELENE W WANT	CHEVROIT CONTINC	1 2/0.											Chevron USA Inc to TH
	1			1	1											Exploration II LLC & TH
			SHAWN J AND SARAH E CREWS	CHEVRON USA INC	1/8+	864	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26092	9-3-1.3	D_	SHAWN J AND SAKAH E CREWS	CHEVRON USA INC	1/07	004	30	N/A	1976	19/6						Chevron USA Inc to TH
				1		ļ										Exploration II LLC & TH
	1 1	_	LOVES LIGHTS CONS AND WILLIAM CONS. WITH	CHEVRON USA INC	1/8+	861	493	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26093	9-3-1.3	D	JOYCE HOLMES CONE AND WILLLIAM CONE - W/H	CHEVRON USA INC	1/0+	901	433	IN/A	11/7	11/6	1476	14/1	.,,			Chevron USA Inc to TH
	1 1			1		l									ľ	Exploration II LLC & TH
	1			CHENDON HEATING	4.0.		102	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26094	9-3-1.3	D	MARK L CURRY	CHEVRON USA INC	1/8+	865	102	N/A	N/A	IN/A	N/A	IN/A	11/15	14/1	,	Chevron USA Inc to TH
	1															Exploration II LLC & TH
	1			l		l					N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26095	9-3-1.3	D	CHRISTINA C MUNSON	CHEVRON USA INC	1/8+	865	107	N/A	N/A	N/A	N/A	N/A	N/A	14/7	- 17/0	Chevron USA Inc to TH
	1 1					l										Exploration II LLC & TH
	1 1	1		1	1.								N/A	N/A	N/A	Exploration LLC: 43/95
10*26097	9-3-1.3	D	DAVID L BEYSER	CHEVRON USA INC	1/8+	865	173	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	IN/A	Chevron USA Inc to TH
		İ													1	Exploration II LLC & TH
		1					1						,.	31/4	N/A	Exploration LLC: 43/95
10*26098	9-3-1.3	D	KIMBERLY J HOLDER	CHEVRON USA INC	1/8+	867	87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	Chevron USA Inc to TH
																Exploration II LLC & TH
				1	1	1								21/4	N/A	Exploration LLC: 43/95
10*26099	9-3-1.3	D	CAROL TROWBRIDGE ET VIR	CHEVRON USA INC	1/8+	866	138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	Chevron USA Inc to TH
				1											İ	Exploration II LLC & TH
1				1										l		Exploration LLC: 43/95
10*26100	9-3-1.3	D	JOSEPH L AND ROSE MARIE MAUPIN	CHEVRON USA INC	1/8+	866	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
						1						l .				Exploration II LLC & TH
10*26120	9-3-1.3	D	JAMES D AND LINDA D YOCUM	CHEVRON USA INC	1/8+	884	635	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
																Chevron USA Inc to TH
1		1		1									l .	l		Exploration II LLC & TH
10*26121	9-3-1.3	l D	BETTY BRYNER	CHEVRON USA INC	1/8+	871	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
																Chevron USA Inc to TH
	1				1	1	1							1 .	l .	Exploration II LLC & TH
10*26236	9-3-1.3	D	GERALD W QUIGLEY AND VICKI L QUIGLEY	CHEVRON USA INC	1/8+	884	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
	1	1												I		Chevron USA Inc to TH
	1	1		1	1									1	1	Exploration II LLC & TH
10*26237	9-3-1.3	l D	FREDA L CAMPBELL	CHEVRON USA INC	1/8+	889	40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
	1	<u> </u>										_		1		Chevron USA Inc to TH
	1	1			1	1										Exploration II LLC & TH
10*26238	9-3-1.3	D	MARSHA L MERCER	CHEVRON USA INC	1/8+	883	639	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20250	1	<u> </u>			1											Chevron USA Inc to TH
		1		i		I									l	Exploration II LLC & TH
10*26287	9-3-1.3	D	IVAN R AND MARY A BLAKE	CHEVRON USA INC	1/8+	888	542	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20207	3-3-1.3	 	THE THE WALL IS DO INC.		1-3			,		·						Chevron USA Inc to TH
					1	1	1									Exploration II LLC & TH
10*26288	9-3-1.3	D	REBECCA J BLAKE	CHEVRON USA INC	1/8+	888	571	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10-20288	3-3-1.5	+	NEDECCA 3 DEAKE		1 2/0.	1	1	,								Chevron USA Inc to TH
					1			İ				1				Exploration II LLC & TH
1	1	1	DUANETTA B BLAKE FROMHART	CHEVRON USA INC	1/8+	888	574	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26289	9-3-1.3	1 0										I IN/A	1 17/0	19/0	1 190	Exploration Ecc. 43/33

Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
Lease ID	Parcer	Tag	Grantor, Lessor, Lee													Chevron USA Inc to TH
	l				1							1				Exploration II LLC & TH
10*26291	9-3-1.3	D	BARBARA A BLAKE MASON	CHEVRON USA INC	1/8+	901	125	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10-26291	9-3-1.5	<u> </u>	BARBARA A BEARE MASON		1-7-											Chevron USA Inc to TH
						1						1				Exploration II LLC & TH
40*05000			JUDITH L BLAKE	CHEVRON USA INC	1/8+	882	329	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26292	9-3-1.3	D	JODITH L BLAKE	CHEVILOR CONTING												Chevron USA Inc to TH
	1						i I					1 1				Exploration II LLC & TH
		_	JAY C CURRY	CHEVRON USA INC	1/8+	882	433	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26293	9-3-1.3	D	JAY C CURRY	CHEVRON OSA INC	1,0.		100	.,,,,								Chevron USA Inc to TH
	· · · · · · · · · · · · · · · · · · ·									!						Exploration II LLC & TH
				CHEVRON USA INC	1/8+	880	509	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26294	9-3-1.3	D	JOAN A GIEGER	CHEVRON USA INC	1/07	880	303	19/5	11/1/1	1475	.,,	1.37.				Chevron USA Inc to TH
												1				Exploration II LLC & TH
							-45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26295	9-3-1.3	D	ARTHUR LEE WARYCK	CHEVRON USA INC	1/8+	880	512	N/A	IN/A	N/A	IVA.	1975		.,,,,	,,,,	Chevron USA Inc to TH
				İ								1		1		Exploration II LLC & TH
				į		i	i I				N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26296	9-3-1.3	D	CARL G CALDWELL	CHEVRON USA INC	1/8+	883	530	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	N/A	Chevron USA Inc to TH
									1					}		Exploration II LLC & TH
				l	1	1						l l	***	l	21/4	Exploration LLC: 43/95
10*26297	9-3-1.3	D	DIANA L MCKINNEY	CHEVRON USA INC	1/8+	885	560	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
					1	1								1		Chevron USA Inc to TH
	1 1			ı	İ				ŀ							Exploration II LLC & TH
10*26298	9-3-1.3	D	JANE HENDRICKSON	CHEVRON USA INC	1/8+	886	429	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
20 20250	3 0 110															Chevron USA Inc to TH
	l l	l								1				i		Exploration II LLC & TH
10*26299	9-3-1.3	٦	BETTY WILKINSON DANIEL A MCVANE AIF	CHEVRON USA INC	1/8+	886	432	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20233	9-5-1.5	-														Chevron USA Inc to TH
	1 1	1		İ												Exploration II LLC & TH
10*26300	9-3-1.3	, n	JILL LORI HENNEN BARNETT	CHEVRON USA INC	1/8+	886	439	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26300	9-3-1.3	_ U	JIEE EORI HENNEN DARNETT		1 7											
				i i			1 1									1
		D	TAMALA SCOLLICK	TH EXPLORATION LLC	1/8+	1053	1 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*27180	9-3-1.3		CRYSTAL THOMAS	TH EXPLORATION LLC	1/8+	1052	648	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*27181	9-3-1.3		RONALD W MOORE	TH EXPLORATION LLC	1/8+	1061	255	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*27703	9-3-1.3			TH EXPLORATION LLC	1/8+	859	440	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*47051.109.0		E	DONALD M AND THERESA L HARRIS	TH EXPLORATION LLC	1/8+	859	440	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*47051.109.0		F	DONALD M AND THERESA L HARRIS	CHEVRON USA INC	1/8+	880	434	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26113	9-8-3		ELDWIN OTIS RINE AND MARY L RINE	CHEVRON USA INC	1/8+	873	574	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26114	9-8-3	G	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	880	437	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26115	9-8-3		JOYCE L LAMB				584	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26123	9-8-3		LAURA R BARKER	CHEVRON USA INC	1/8+	873		N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26124	9-8-3	-	PATTY D JEFFERSON	CHEVRON USA INC	1/8+	874	41	N/A N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26125	9-8-3	G	DEBORAH A COLLINS	CHEVRON USA INC	1/8+	874	27			N/A N/A	N/A N/A	N/A N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26126	9-8-3	G	WILLIAM C WEST	CHEVRON USA INC	1/8+	880	431	N/A	N/A		N/A N/A	N/A N/A	N/A	N/A	N/A	Chevron USA Inc to TH
10*26168	9-8-3	G	LEANNE E BURKHART	CHEVRON USA INC	1/8+	873	602	N/A	N/A	N/A			N/A N/A	N/A N/A	N/A	Chevron USA Inc to TH
10*26169	9-8-3	G	LISA MAY WINGROVE	CHEVRON USA INC	1/8+	880	422	N/A	N/A	N/A	N/A	N/A		N/A N/A	N/A N/A	Chevron USA Inc to TH
10*26170	9-8-3	G	JENNIFER L WALKER	CHEVRON USA INC	1/8+	874	36	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	N/A	
														}		Chevron USA Inc to TH
		1		1										L		Exploration II LLC & TH
10*26171	9-8-3	G	MELISSA NADINE KNIGHT	CHEVRON USA INC	1/8+	873	590	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 2027	+	1														Chevron USA Inc to TH
		1														Exploration II LLC & TH
10*26172	9-8-3	G	NELDA RUTH MOORE	CHEVRON USA INC	1/8+	873	593	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 201/2	3-0-3	ᡰ᠆ᢆ														Chevron USA Inc to TH
				I		1										Exploration II LLC & TH
10*26173	9-8-3	G	DEANNE E ANDERSON	CHEVRON USA INC	1/8+	874	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10-261/3	9-8-3	1 -6	DEATHIRE E ANDERSON			T	T-:-	1	i							Chevron USA Inc to TH
I		1		I		1	1							1		Exploration II LLC & TH
1	1		LANGE NA BUDYLIA DT	CHEVRON USA INC	1/8+	873	599	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
			JANICE M BURKHART			1 0/3	1 333	1 19/0	19/0	1 17/11	.,,				· · · · · · · · · · · · · · · · · · ·	1-1 11-11
10*26174	9-8-3	G	JANICE IVI BORKITAKI	GITEVITOR CENTRAL	1,0.	1				1	l	1				Chevron USA Inc to TH
10*26174	9-8-3	G	JANICE IVI BORKI JAKI	CHEVILOR SOLVER	1,0.											Chevron USA Inc to TH Exploration II LLC & TH
10*26174 10*26175	9-8-3	G	CAROL LYNN KELCH	CHEVRON USA INC	1/8+	880	425	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	



Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
Lease ID	raicei	TUB	0.01.007, 2.000													Chevron USA Inc to TH
																Exploration II LLC & TH
10*26176	9-8-3	G	LINDA L AGUILAR	CHEVRON USA INC	1/8+	874	33	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
																Chevron USA Inc to TH Exploration II LLC & TH
																Exploration ILLC & 1H Exploration LLC: 43/95
10*26177	9-8-3	G	OTIS R BURKHART JR	CHEVRON USA INC	1/8+	873	587	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
																Exploration II LLC & TH
	1														N/A	Exploration LLC: 43/95
10*26178	9-8-3	G	MELBA L BELL	CHEVRON USA INC	1/8+	873	577	N/A	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	Chevron USA Inc to TH
																Exploration II LLC & TH
	i		HILLVIEW TERRACE CHURCH OF CHRIST D/B/A WEST VIRGINIA									l	N/A	N/A	N/A	Exploration LLC: 43/95
10*26179	9-8-3	G	SCHOOL OF PREACHING	CHEVRON USA INC	1/8+	873	580	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Chevron USA Inc to TH
				1												Exploration II LLC & TH
											****	1	N/A	N/A	N/A	Exploration LLC: 43/95
10*26196	9-8-3	G	CHRISTINA ROSE BUTLER	CHEVRON USA INC	1/8+	876	298	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	14/5	Chevron USA Inc to TH
																Exploration II LLC & TH
											41.74	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26197	9-8-3	G	RONALD DEAN BURKHART	CHEVRON USA INC	1/8+	876	301	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	11/5	Chevron USA Inc to TH
																Exploration II LLC & TH
								_					N/A	N/A	N/A	Exploration LLC: 43/95
10*26198	9-8-3	G	SALEM CHURCH OF CHRIST OF GLEN EASTON WV	CHEVRON USA INC	1/8+	876	304	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	19/6	Chevron USA Inc to TH
				1												Exploration II LLC & TH
				1							***	l	N/A	N/A	N/A	Exploration LLC: 43/95
10*26199	9-8-3	G	DANIEL M RINE	CHEVRON USA INC	1/8+	880	457	N/A	N/A	N/A	N/A	N/A	N/A	19/5	14/6	Chevron USA Inc to TH
																Exploration II LLC & TH
												1	N/A	N/A	N/A	Exploration LLC: 43/95
10*26200	9-8-3	G	DEBRA A CLARK	CHEVRON USA INC	1/8+	880	454	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19/6	Chevron USA Inc to TH
												1				Exploration II LLC & TH
		1		1							A1 /A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26242	9-8-3	G	TRACI LYNN GOODNIGHT	CHEVRON USA INC	1/8+	882	173	N/A	N/A	N/A	N/A	N/A	N/A	11/6	14/2	Chevron USA Inc to TH
				ľ									•		ì	Exploration II LLC & TH
				ľ						41/4	A1/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26243	9-8-3	G	MARLA JEAN TRUEX	CHEVRON USA INC	1/8+	882	164	N/A	N/A	N/A	N/A	IN/A	N/A	11/6	11/7	Chevron USA Inc to TH
																Exploration II LLC & TH
				1						31/4	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26244	9-8-3	G	BRENDA KAY LAVENSKI	CHEVRON USA INC	1/8+	882	167	N/A	N/A	N/A	N/A	IN/A	19/5	14/4	.,,	Chevron USA Inc to TH
	i '	1			1		Į.									Exploration II LLC & TH
	1			1					N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26245	9-8-3	G	TERESA ANN HARTLE	CHEVRON USA INC	1/8+	882	326	N/A	N/A	N/A	N/A	IVA	19/5		.,,,,	Chevron USA Inc to TH
		1			i		İ									Exploration II LLC & TH
						882	170	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26246	9-8-3	G	LISA MARIE WILLIAMS	CHEVRON USA INC	1/8+	882	1/0	N/A	IN/A	IN/A	19/5	11/7	.,,,,			Chevron USA Inc to TH
	Į.	1														Exploration II LLC & TH
				CHEMBON HET INC	1		27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26247	9-8-3	G	CYNTHIA L BOUGHER	CHEVRON USA INC	1/8+	884 859	440	N/A N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*47051.109.0		G	DONALD M AND THERESA L HARRIS	TH EXPLORATION LLC	1/8+	1011	538	N/A N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23739	9-8-5	H	APPALACHIAN BASIN MINERALS LP	TH EXPLORATION LLC	1/8+	1011	532	N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23740	9-8-5	H	PENNMARC RESOURCES II LP	TH EXPLORATION LLC	1/8+	1011	515	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23741	9-8-5	H	MCCROW ENERGY PARTNERS II LLC	TH EXPLORATION LLC	1/8+	1011	536	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23742	9-8-5	H	PURPLEBURGH VENTURES, LLC	TH EXPLORATION LLC	1/8+	1011	534	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23743	9-8-5	H	WILDES MINERAL INTERESTS LLC	TH EXPLORATION LLC	1/8+	1011	193	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23749	9-8-5	Н	MARCELLUS TX MINERAL PRTNR LTD WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF	III EAFLURATION LLC	1/0+	1012	133	14/7	14/0	14/5	.,,,,,					
	1			TH EXPLORATION LLC	1/8+	1073	370	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*28092	9-8-5	Н .	HIGHWAYS	TH EXPLORATION LLC	1/8+	968	294	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22760	9-8-4.1	1	DONALD M AND THERESA L HARRIS WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF	III EAFLORATION LLC	1/07	200	234	.,,,,	1				, , , , , , , , , , , , , , , , , , , ,			
		1 .		TH EXPLORATION LLC	1/8+	1073	370	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*28092	9-8-4.1	+ 	HIGHWAYS	TH EXPLORATION LLC	1/8+	968	288	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22745	9-8-11	+	BONNIE J JENKINS	TH EXPLORATION LLC	1/8+	988	499	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23314	9-8-11	 + +	CYNTHIA WATSON SHARON E MCDONALD AND HAROLD S MCDONALD	TH EXPLORATION LLC	1/8+	988	495	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23353	9-8-11	+ +	KATHLEEN JEANNE B JENKINS	TH EXPLORATION LLC	1/8+	1035	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
						, 2000	1 10									
10*25718 10*25719	9-8-11 9-8-11	+ ;	NICHOLE M JENKINS	TH EXPLORATION LLC	1/8+	1035	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

			Company The	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Ltc.	Royalty	Decabe	OK/ Tuge	rissignificate	, isong imment							Chevron USA Inc to TH
				1					İ							Exploration II LLC & TH
40\$2525	9-8-11		DAVID D MURRAY	CHEVRON USA INC	1/8+	791	45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26025	3-9-11	,	DAVID D MICHIAN		1											Chevron USA Inc to TH
							1 1									Exploration II LLC & TH
10*26026	9-8-11		JUDITH ELLEN DOTY	CHEVRON USA INC	1/8+	787	249	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20020	3-0-11	-														Chevron USA Inc to TH
						ĺ										Exploration II LLC & TH
10*26027	9-8-11	J	DANIEL W CHAPMAN	CHEVRON USA INC	1/8+	788	111	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
					1				l .							Exploration II LLC & TH
					1 .							N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26028	9-8-11	J	DAVID W CHAPMAN	CHEVRON USA INC	1/8+	788	104	N/A	N/A	N/A	N/A	N/A	IN/A	IN/A	IN/A	Chevron USA Inc to TH
																Exploration II LLC & TH
		İ					96	11/4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26029	9-8-11	J	GREGORY L CHAPMAN	CHEVRON USA INC	1/8+	788	96	N/A	N/A	N/A	N/A	11/15	N/A		.,,,	Chevron USA Inc to TH
																Exploration II LLC & TH
				CHEVRON USA INC	1/8+	787	471	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26030	9-8-11	1	DONALD CARMICHAEL	CHEVRON OSA INC	1/0+	/0/	4/1	17/0	19/5			13,11				Chevron USA Inc to TH
1					1											Exploration II LLC & TH
		١.	SARAH LEONA MCGLONE	CHEVRON USA INC	1/8+	787	478	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26031	9-8-11	, -	SARAH LEUNA MCGLONE	CHEVION OSA INC	1,0.											Chevron USA Inc to TH
				1												Exploration II LLC & TH
10*26032	9-8-11	١.	MARGARET ANN JONES	CHEVRON USA INC	1/8+	787	364	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10-26032	9-8-11	 '	MARGARET ARTISONES		T											Chevron USA Inc to TH
															1	Exploration II LLC & TH
10*26033	9-8-11	1 .	LINDA S COLEMAN	CHEVRON USA INC	1/8+	791	143	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20033	3-0-11															Chevron USA Inc to TH
	1	ł														Exploration II LLC & TH
10*26034	9-8-11	ر ا	LUANN N HIMMELFARB	CHEVRON USA INC	1/8+	791	205	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
					1	i i				İ						Exploration II LLC & TH
													21/2	N/A	N/A	Exploration LLC: 43/95
10*26035	9-8-11	l j	PATRICK P TRUEX	CHEVRON USA INC	1/8+	791	219	N/A	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	Chevron USA Inc to TH
					1					1						Exploration II LLC & TH
1						١			N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26038	9-8-11	J J	DOUGLAS A WAYSON	CHEVRON USA INC	1/8+	811	440	N/A	N/A	N/A	N/A	N/A	19/5	19/4	197.	Chevron USA Inc to TH
				1					1							Exploration II LLC & TH
	1	ļ		CUEL (DON LICA INC	1/8+	807	420	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26039	9-8-11	J	DAWNETTA M WAYSON	CHEVRON USA INC	1/8+	807	420	N/A	IN/A	N/A	11/7	- Mr.	1,77			Chevron USA Inc to TH
	1				1	1	ı									Exploration II LLC & TH
1		١.	DODERT DO ANDT WAYCON	CHEVRON USA INC	1/8+	808	524	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26040	9-8-11	1	ROBERT BRANDT WAYSON	CHEVROIT OSA IITC	1,0.	000_	327		.,,							Chevron USA Inc to TH
	1	1		1												Exploration II LLC & TH
10*25042	9-8-11	١,	SHARON ANN PETERSON	CHEVRON USA INC	1/8+	838	396	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26042	9-8-11	' -	SHAROR ART PETERSON		1											Chevron USA Inc to TH
1	1	1			1	l	1							1		Exploration II LLC & TH
10*26043	9-8-11	1 .	GREGORY A CHAPMAN	CHEVRON USA INC	1/8+	834	354	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20043	1 3-0-22	<u> </u>														Chevron USA Inc to TH
	1	1			1	1										Exploration II LLC & TH
10*26204	9-8-11	ر	COLE DALE GRIMM	CHEVRON USA INC	1/8+	889	244	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26494	9-8-11	J	JOHN P JENKINS	TH EXPLORATION LLC	1/8+	1037	434	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A Chevron USA Inc to TH
																Exploration II LLC & TH
1						1						N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*27524	9-8-11	1	KEVIN A MYSLIWIEC AND SANDY L MYSLIWIEC	CHEVRON USA INC	1/8+	784	292	N/A	N/A	N/A	N/A	N/A	N/A	IN/A	IN/A	Chevron USA Inc to TH
										1		1				Exploration II LLC & TH
1								, , , , , , , , , , , , , , , , , , ,	N1/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*27527	9-8-11	1	PETER J & JUDY B MYSLIWIEC	CHEVRON USA INC	1/8+	784	285	N/A	N/A	N/A	N/A	iN/A	IV/A	11/5	17/5	
		1	THE ESTATE OF THERESA M ROGERSON CHARLES J ROGERSON	THE EVEN OR AT TOWN OR	4.00	053	422	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*21246	9-8-10	K	EXECUTOR	TH EXPLORATION LLC	1/8+	952	422	N/A N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*21326	9-8-10			TH EXPLORATION LLC TH EXPLORATION LLC	1/8+	952 952	424	N/A N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*21331	9-8-10			TH EXPLORATION LLC	1/8+		288	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22745	9-8-10	K	BONNIE J JENKINS	TH EXPLORATION LLC	1/8+		74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22764	9-8-10	K	GARY D OLSON AND ILENE J OLSON	THE EXPLORATION LLC	1/07	370	1 /-	19/0	.,,,,		1					

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WW-6A1 Supplement

Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
10*22765	9-8-10		KRIS E OLSON AND BOBBI L OLSON	TH EXPLORATION LLC	1/8+	970		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22766	9-8-10		TOD E OLSON AND COLLEEN G OLSON	TH EXPLORATION LLC	1/8+	970	70	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23314	9-8-10		CYNTHIA WATSON	TH EXPLORATION LLC	1/8+	988	499	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23353	9-8-10		SHARON E MCDONALD AND HAROLD S MCDONALD	TH EXPLORATION LLC	1/8+	988	495	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*24552	9-8-10	K	KELLI S CALKINS	TH EXPLORATION LLC	1/8+	1025	415	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*25718	9-8-10		KATHLEEN JEANNE B JENKINS	TH EXPLORATION LLC	1/8+	1035	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*25719	9-8-10		NICHOLE M JENKINS	TH EXPLORATION LLC	1/8+	1035	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10 23/13	3-0-10		THOUSE INVENTIONS													Chevron USA Inc to TH
																Exploration II LLC & TH
10*26025	9-8-10	к	DAVID D MURRAY	CHEVRON USA INC	1/8+	791	45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20025	3-5-25													1		Chevron USA Inc to TH
	1								ł							Exploration II LLC & TH
10*26026	9-8-10	к	JUDITH ELLEN DOTY	CHEVRON USA INC	1/8+	787	249	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20020	1 30 20	- "-								i						Chevron USA Inc to TH
1																Exploration II LLC & TH
10*26027	9-8-10	lκ	DANIEL W CHAPMAN	CHEVRON USA INC	1/8+	788	111	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20027	3010															Chevron USA Inc to TH
1	1			1			i 1									Exploration II LLC & TH
10*26028	9-8-10	l ĸ	DAVID W CHAPMAN	CHEVRON USA INC	1/8+	788	104	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20028	3-0-10	<u> </u>	DATE IT COMMITTEE											1		Chevron USA Inc to TH
	1 1															Exploration II LLC & TH
10*26029	9-8-10	l _K	GREGORY L CHAPMAN	CHEVRON USA INC	1/8+	788	96	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20029	3-0-10		One down a desire to the													Chevron USA Inc to TH
	1															Exploration II LLC & TH
10*26030	9-8-10	l ĸ	DONALD CARMICHAEL	CHEVRON USA INC	1/8+	787	471	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10 20050	3-8-10	-	DOTALD CARMICIDES		1											Chevron USA Inc to TH
			!				1 1									Exploration II LLC & TH
10*26031	9-8-10	١,,	SARAH LEONA MCGLONE	CHEVRON USA INC	1/8+	787	478	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10-26051	3-8-10	K	SALAH KESTA MESESTE		1											Chevron USA Inc to TH
	1			1			1									Exploration II LLC & TH
10*26032	9-8-10	K	MARGARET ANN JONES	CHEVRON USA INC	1/8+	787	364	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26032	9-8-10		IMARGARET ANN JONES													Chevron USA Inc to TH
1																Exploration II LLC & TH
10*26033	9-8-10	l _K	LINDA S COLEMAN	CHEVRON USA INC	1/8+	791	143	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26033	9-8-10	<u> </u>	LINDA 3 COLLIVIAN		1 7:											Chevron USA Inc to TH
	1	1		1	1				1							Exploration II LLC & TH
10*26034	9-8-10	l _K	LUANN N HIMMELFARB	CHEVRON USA INC	1/8+	791	205	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26034	9-8-10	<u> </u>	EOAINI II HIMIVILLI AKB		1											Chevron USA Inc to TH
	1													1		Exploration II LLC & TH
10*26035	9-8-10	l ĸ	PATRICK P TRUEX	CHEVRON USA INC	1/8+	791	219	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10-26035	9-8-10	 `	PATRICK F TROEX		1											Chevron USA Inc to TH
		i		1												Exploration II LLC & TH
10*26038	9-8-10	l ĸ	DOUGLAS A WAYSON	CHEVRON USA INC	1/8+	811	440	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26038	9-8-10	 ^-	DOOGLAS A WAISON		1 7											Chevron USA Inc to TH
1	1					1										Exploration II LLC & TH
10*2020	9-8-10	l ĸ	DAWNETTA M WAYSON	CHEVRON USA INC	1/8+	807	420	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26039	3-8-10	<u> </u>	DATTILLIA IN TRAISON		1 2/2											Chevron USA Inc to TH
1				1												Exploration II LLC & TH
10*25242	9-8-10	l ĸ	ROBERT BRANDT WAYSON	CHEVRON USA INC	1/8+	808	524	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26040	3-9-10	 	NODERI BRANDI WATSON											1		Chevron USA Inc to TH
1		1		1		l										Exploration II LLC & TH
40\$2000	0010	K	SHARON ANN PETERSON	CHEVRON USA INC	1/8+	838	396	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26042	9-8-10	- K	SHARON ANN PETERSON		1 -7.2											Chevron USA Inc to TH
	1	1		1												Exploration II LLC & TH
40#255	0.040	K	GREGORY A CHAPMAN	CHEVRON USA INC	1/8+	834	354	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26043	9-8-10	 	UNLOOM A CHAPMAN		7/5:	<u> </u>	T -		T							Chevron USA Inc to TH
1		1				l	1									Exploration II LLC & TH
40*****	0040	,	COLE DALE GRIMM	CHEVRON USA INC	1/8+	889	244	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 43/95
10*26204	9-8-10	K		TH EXPLORATION LLC	1/8+	1037	434	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*26494	9-8-10			TH EXPLORATION LLC	1/8+	1052	498	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*27140	9-8-10	K	NOGEN C PATTAIN AND TANAT PATTAIN	THE ENGLISH SEC	1,0.		1	- 7								
1					1											Chevron USA Inc to TH
46****	0.040		TANICE J SCHNIER	CHEVRON USA INC	1/8+	898	273	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/357
10*27466	9-8-10		IMMICE / SCHMICK	1	1 -, -,											

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Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
																Chevron USA Inc to TH
			Annual Control of the		140	5.5		414	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/3
10*27467	9-8-10		ROBIN K JASA	CHEVRON USA INC	1/8+	899	502	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*27468	9-8-10		PETER J & JUDY B MYSLIWIEC	CHEVRON USA INC	1/8+	882	200 197	N/A	N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A
.0*27469	9-8-10	K	KEVIN A MYSLIWIEC AND SANDY L MYSLIWIEC	CHEVRON USA INC	1/8+	882	197	N/A	N/A	N/A	N/A	IN/M	14/7	140	IIV.	140
																Chevron USA Inc to TH
	542.70		Complete and the contraction of	CHEVRON USA INC	1/8+	899	244	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/35
10*27470	9-8-10	K	HARLAN OLSON AND LYNNETTE OLSON	CHEVRON USA INC	1/01	022	244	N/A	IN/A	14/2	1975	140		7901	.,,,,	
																Chevron USA Inc to TH
STATE OF THE PARTY	1000	-	MCMACE LINEY	CHEVRON USA INC	1/8+	904	341	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/35
10*27471	9-8-10	K	KENNETH IREY	CHEVROIT OUR INC	1/01	304	242	1975	14.1	14.5						
					100,000											Chevron USA Inc to TH
	9-8-10	к	KAREN K KRUSE	CHEVRON USA INC	1/8+	899	258	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/35
10*27472	9-6-10	N	MARCH K KNOJE													
					200											Chevron USA Inc to TH
10*27473	9-8-10	К	JOYCE A NELSEN	CHEVRON USA INC	1/8+	902	538	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/35
10.2/4/5	3-8-10	- 6-	TOTAL A NELSEN	_												
																Chevron USA Inc to TH
10*27474	9-8-10	K	DANNY OLSON	CHEVRON USA INC	1/8+	902	535	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/35
10 2/4/4	3-0-10	- 10	Driver Opport													The same of the same
										and the same of				20	200	Chevron USA Inc to TH
10*27475	9-8-10	K	ALAN S PALLAS	CHEVRON USA INC	1/8+	898	470	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/35
10 27415	1000	- //														The second second second
	1								7.4	1 may 1 may				7017	-0.0	Chevron USA Inc to TH
10*27515	9-8-10	К	WILLIAM L MCKINLEY	CHEVRON USA INC	1/8+	899	517	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 44/35
10*27755	9-8-10	K	THE UNKNOWN HEIRS OF WILLIAM CLIFFORD OLSON ET AL*	TH EXPLORATION LLC	1/8+	1060	468	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*28301	9-8-10		NADINE I STEVENSON	TH EXPLORATION LLC	1/8+	1067	374	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FR. 930.00																Carrier Carrier Carrier
																Chevron USA Inc to TH
	15000				100	100				333				3.2	3.6	Exploration II LLC & TH
10*31001	9-9-4	L	ERIC KATZMEYER	CHEVRON USA INC	1/8+	791	226	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 45/59
																Chevron USA Inc to TH
				No. of the second						2000	5040	2.15	iov		11/2	Exploration II LLC & TH
10*31003	9-9-4	1	DAVID & SHIRLEY KATZMEYER	CHEVRON USA INC	1/8+	792	226	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Exploration LLC: 45/59
						7 -										Chevron USA Inc to TH
					10.00	100	300	200	- 16	2012	21/2	N/A	N/A	N/A	N/A	Exploration II LLC & TH Exploration LLC: 45/59
10*31004	9-9-4	L	MARY LOU RUBINI FKA MILLER	CHEVRON USA INC	1/8+	793	287	N/A	N/A	N/A	N/A	N/A N/A	N/A	N/A	N/A	N/A
10*19987	9-9-16	M	LESLEY D BALLA	TH EXPLORATION LLC	1/8+	955	103	N/A	N/A	N/A N/A	N/A N/A	N/A N/A	N/A	N/A	N/A	N/A
10*19993	9-9-16	M	DIANA D COSLICK	TH EXPLORATION LLC	1/8+	955	105	N/A N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*19994	9-9-16	M	ELAINE A FONTES	TH EXPLORATION LLC	1/8+	960	36			N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*21117	9-9-16	M	JOELLYN JOHNSON	TH EXPLORATION LLC	1/8+	952	392	N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*21322	9-9-16	M	PHILLIP H WAYT AND BILLIE A WAYT	TH EXPLORATION LLC	1/8+	953	293	N/A	IN/A	IVA	140	1976	11/15		14/	Blue Roan Resources, L
													N/A	N/A	N/A	to TH Exploration, LLC:
	24377	-	Total Cold September	BUILD DO AN DESCRIPCES INC.	1/01	926	424	N/A	N/A	N/A	N/A	N/A	10/10		.,,.,	41/405
10*22199	9-9-16	M	DONALD BROOKS WESLEY	BLUE ROAN RESOURCES LLC	1/8+	920	424	N/A	IV/A	IVA	11/15	1975				Blue Roan Resources, L
													N/A	N/A	N/A	to TH Exploration, LLC:
	1334	6.	The state of the s	BLUE ROAN RESOURCES LLC	1/8+	926	422	N/A	N/A	N/A	N/A	N/A	.,,	107.72		41/405
10*22201	9-9-16	M	FREDERICK MAXWELL YEATER	BLUE ROAN RESOURCES LEC	1/07	920	422	IVA	1470	-1475	.41.	14				Blue Roan Resources, L
													N/A	N/A	N/A	to TH Exploration, LLC:
444444	10.6	7.	MANUE DAVID HUNT	BLUE ROAN RESOURCES LLC	1/8+	935	109	N/A	N/A	N/A	N/A	N/A			-	41/405
10*22202	9-9-16	M	MARK DAVID HUNT	DEGE WOMN KESOGNEES FEE	4/01	255	103	10/15		1471	-4					Blue Roan Resources, I
													N/A	N/A	N/A	to TH Exploration, LLC:
	40.00	2.	MACHECA ELAINE SCHROTH	BLUE ROAN RESOURCES LLC	1/8+	934	471	N/A	N/A	N/A	N/A	N/A	7.7			41/405
10*22203	9-9-16	M	MELISSA ELAINE SCHROTH	TH EXPLORATION LLC	1/8+	964	528	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22526	9-9-16	M	BARBARA FURFARI	TH EXPLORATION LLC	1/8+	964	530	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22528	9-9-16	M		TH EXPLORATION LLC	1/8+	966	130	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22553	9-9-16	M		TH EXPLORATION LLC	1/8+	972	85	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*22783	9-9-16	M	SUZANNE SWIFT TIM A WILLIS AND DIANE CLARE WILLIS	TH EXPLORATION LLC	1/8+	988	138	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*23315	9-9-16	M	BESSIE CARMICHAEL ET AL SHANE M MALLETT, SPECIAL	THE ESTATION LEC	2/00	300	200	.40	1,411							
			IDEADIE CARIVILLIMEE ET AL DITANE IVI IVIALLETT, DECIAL										N/A	N/A	N/A	N/A

Operator's Well No. Hudson S - 13HU

WW-6A1 Supplement

Course ID	Daniel	Too	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ok/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
Lease ID	Parcel		MARK D CHAMBERS AND SHERYL CHAMBERS	TH EXPLORATION LLC	1/8+	1023	163	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*24397	9-9-16			TH EXPLORATION LLC	1/8+	1023	160	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*24398	9-9-16	M	TODD SCHERICH AND WANDA D SCHERICH		1/01	1023	157	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*24413	9-9-16	M	BRADLEY S SCHERICH AND LEIGH SCHERICH	TH EXPLORATION LLC	1/8+	1023	15/	N/A	AB Resources LLC to	N/A	Chief E&D LLC & Radler	IV/A	Chief E&D LLC, Chief O/G	147.		1
								TriEnergy Inc to AB	Chief Exploration & Development LLC:	TriEnergy Inc to TriEnergy Holdings	2000 LP to Enerplus Resources USA Corp:	130 11000000000000000000000000000000000	LLC, Eadler 2000 LP & Enerplus to Chevron USA	AB Resources LLC to	TriEnergy Holdings LLC & TriEnergy Inc to Chevron	
10*26001	9-2-10	N	FREDDIE C WHITE AND VIOLET L WHITE	TRIENERGY INC	1/8+	655		Resources LLC: 19/62	A. A. S. S. S. S. S. S. S. S. S. S. S. S. S.	LLC: 21/148	685/643 & 21/520	2000 LP: 24/319	Inc: 25/1 & 25/105	756/397	USA Inc: 28/356	Exploration LLC: 43/95
10*28244	9-9-5		MICHAEL D DOBBS AND STEPHANIE J DOBBS	TH EXPLORATION LLC	1/8+	1068	569	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10*28244	9-9-5		PAMELA POSTLETHWAIT AND SCOTT POSTLETHWAIT	TH EXPLORATION LLC	1/8+	1071	427	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Co-tenancy utilization — At least 7 mineral owners in tract. At least 75% of the royalty owners have executed a lease on the tract. The interests of the remaining co-tenants were acquired pursuant to the Co-tenancy Modernization and Majority Protection Ac

DPS LAND SERVICES CORP 6000 TORN CENTER BOULEVARD, SUITE 145 CANONSBURG PA 15317-5841

BOOK 0 0 4 3 PAGE 0 0 9 5

STATE OF WEST VIRGINIA

COUNTY OF MARSHALL

ASSIGNMENT AND BILL OF SALE

§

This ASSIGNMENT AND BILL OF SALE (this "Assignment") dated as of 7.2019 (the "Signing Date"), but effective from and after 7:00 a.m., Eastern Standard Time on February 1, 2019 (the "Effective Date"), is made by Chevron U.S.A. Inc., a Pennsylvania corporation, with an address at 700 Cherrington Parkway, Coraopolis, PA 15108 ("Chevron" or "Assignor") to TH Exploration II, LLC and TH Exploration, LLC, Texas limited liability companies, with an address at 1320 S. University Drive, Suite 500, Fort Worth, TX 76107 (collectively "Assignee") and is accepted by Assignee upon the following terms and conditions.

RECITALS

- A. Assignor desires to sell, convey, transfer, assign and deliver to Assignee Assignor's Crawford 1 well and certain related assets, including certain leasehold interests, located in Marshall County, West Virginia.
- B. Through an Acreage Trade Agreement to be executed contemporaneously with this Assignment, Assignor desires to transfer, convey and assign to Assignee certain of Assignor's oil and gas leasehold interests located in Marshall County, West Virginia in exchange for the transfer, conveyance and assignment to Assignor by Assignee certain of Assignee's oil and gas leasehold interests located in Marshall County, West Virginia.
- C. In consideration of the mutual promises set out in this Assignment, including execution of the Acreage Trade Agreement, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree to be bound by the terms of this Assignment.

1. **DEFINITIONS**

- 1.1 Definitions. As used in this Assignment, these words and expressions have the following meanings:
 - "Acreage Trade Agreement" means that certain Acreage Trade Agreement by and between Chevron U.S.A. Inc. and TH Exploration, LLC with an Effective Date of February 1, 2019 to be contemporaneously executed with this Assignment.
 - "Act" has the meaning given to such term in Section 9.1(C).
 - "Affiliate" means any legal entity which controls, is controlled by, or is under common control with, another legal entity. An entity is deemed to "control" another if it owns directly or indirectly at least fifty percent of either of the following: (A) the shares entitled to vote at a general election of directors of such

Page 1 of 40

"

DPS LAND SERVICES CORP 6000 TOWN CENTER BOULEVARD, SUITE 145 CANONSBURG PA 15317-5841

700K 0 0 4 4 PAGE 0 3 5 7

STATE OF WEST VIRGINIA §
COUNTY OF MARSHALL §

ASSIGNMENT AND CONVEYANCE

THIS ASSIGNMENT AND CONVEYANCE (the "Assignment") is made and entered into this day of August 2019 (the "Effective Date"), by and between CHEVRON U.S.A. INC., a Pennsylvania corporation, with an address at 700 Cherrington Parkway, Coraopolis, PA 15108 (hereinafter "Assignor") and TH EXPLORATION, LLC, a Texas limited liability company, with an address at 1320 S. University Drive, Suite 500, Fort Worth, TX 76107 (hereinafter "Assignee").

WITNESSETH:

WHEREAS, Assignor desires to assign, set over, and transfer to Assignee all of Assignor's right, title, and interest in and to those certain oil and gas leases situated in Marshall County, West Virginia, as described in Exhibit "A", attached hereto and made a part hereof (hereinafter the "Leases"), less and except certain exclusions; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and subject to the limited warranties, restrictions and conditions hereinafter mentioned, the parties hereto, intending to be legally bound, do covenant and agree as follows:

- 1. <u>Assignment.</u> Assignor does hereby grant, bargain, sell, convey, deliver, assign, set over and transfer, as of the Effective Date, to Assignee, its respective successors and assigns, forever, all of Assignor's right, title and interest in and to the Leases, and the lands covered thereby, together with all rights incident thereto and appurtenances thereon, except that Assignor excepts and reserves from this Assignment the following:
 - Any portion of the Leases set forth in the column entitled "Less and Except" on Exhibit A.

TO HAVE AND TO HOLD such right, title and interest in and to the Leases unto Assignee or its designee, and their respective successors and assigns, forever, in accordance with the provisions of this Assignment.

- 2. <u>No Warranty</u>. The Assignment is made on an "as is, where is" basis without warranty of any kind. Assignor makes no, and expressly disclaims any, representation or warranty to Assignee regarding the Leases, whether express, statutory or implied, in fact, at law, common law, in equity or otherwise.
- 3. <u>Successors and Assigns</u>. The terms of this Assignment shall be binding upon and inure to the benefit of the parties hereto and each of their respective successors and assigns, and such terms shall be covenants running with the land, and with each subsequent transfer or assignment thereof.
- 4. <u>Further Assurances</u>. Assignor and Assignee hereby agree to take all actions and execute, acknowledge, and deliver all such instruments as are necessary or advisable to effectuate the purposes of this Assignment, except Assignor has no obligation to defend title to the Leases.

BOOK O O 4 1 PAGE O 4 0 5

ASSIGNMENT OF OIL AND GAS LEASES

This ASSIGNMENT OF OIL AND GAS LEASES (the "Assignment") is made and entered into this 8th day of March, 2018 (the "Effective Date"), from Blue Roan Resources, LLC, a West Virginia limited liability company, having an address at 3437 University Avenue, Morgantown, WV, 26505 (hereinafter "Assignor"), and TH Exploration, LLC, a Texas limited liability company, having an address at 1320 S. University Drive, Suite 500, Fort Worth, TX 76107 (hereinafter "Assignee").

WITNESSETH:

WHEREAS, Assignor is the owner of the right, title, and interest in those certain Oil and Gas Leases situated in Marshall County, West Virginia, which are described in Exhibit "A" attached hereto and made a part hereof (hereinafter the "Leases"); and

WHEREAS, subject to the exceptions and reservations herein contained, Assignor desires to assign, set over, and transfer to Assignee all of Assignor's right, title, and interest in and to the Leases.

NOW, THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00), cash in hand paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and subject to the limited warranties, restrictions and conditions hereinafter mentioned, the parties hereto, intending to be legally bound, do covenant and agree as follows:

1. Assignment. Assignor does hereby grant, bargain, sell, convey, deliver, assign, set over and transfer, as of the Effective Date, to Assignee, its respective successors and assigns, forever, subject to the terms, reservations, waivers and provisions as hereinafter set forth, an undivided interest of all of Assignor's right, title and interest in and to the Leases and all oil, natural gas, natural gas liquids, condensate, casinghead gas and other liquefied or gaseous hydrocarbons or products ("Hydrocarbons") thereby held, in any and all depths and formations ("Assigned Formations"), together with any and all other rights that are reasonably necessary or convenient to explore for and produce Hydrocarbons from the Assigned Formations, including, but not limited to, the right of surface access, use and occupancy, the right of ingress and egress, the right to conduct geophysical and other exploratory activities, the right to lay pipeline, the right to drill through, but not perforate or stimulate, all other depths and formations necessary for the purpose of reaching the Assigned Formations and to conduct operations therein.

TO HAVE AND TO HOLD such right, title and interest in and to the Leases unto Assignees or their designee, and their respective successors and assigns, forever, in accordance with the provisions of this Assignment.

 Representations and Warranties. Assignor represents and warrants that such Assignor has not conveyed or otherwise encumbered its interest in the Leases since the time that Assignor obtained its interests in the Leases.

Assignor represents and warrants that, as to its interests in the Leases, Assignor has paid all royalties, overriding royalties, and other payments required by the Leases which were due for the period in which Assignor held its interests in the Leases, including, but not limited to, the interests assigned hereunder, and that Assignor has fully performed all conditions necessary to maintain the Leases in full force and effect during such period.

- Successors and Assigns. The terms of this Assignment shall be binding
 upon and inure to the benefit of the parties hereto and each of their respective successors
 and assigns, and such terms shall be covenants running with the land, and with each
 subsequent transfer or assignment thereof.
- Further Assurances. Assignor and Assignee hereby agree to take all
 actions and execute, acknowledge, and deliver all such instruments as are necessary or
 advisable to effectuate the purposes of this Assignment.



UTICA MODIFICATION - PLEASE DELIVER TO SUSAN ROSE

March 18, 2020

WV DEP OFFICE OF OIL & GAS ATTENTION: SUSAN ROSE 601 57TH STREET SE CHARLESTON WV 25304-2345

VIA FEDEX

RE: Hudson S-13HU (H6A Drilling Modification)
Franklin District, Marshall County, WV

Dear Susan:

Tug Hill Operating, LLC would like to submit the Hudson S-13HU modification to lengthen the well. The proposed well is located within Marshall County, WV. Please find the following enclosed:

- Updated WW-6B with inspector signature
- Updated well plat
- Updated Water Management Plan
- Updated Site Safety Plan
- Updated WW-6A1
- Updated Area of Review
- Updated 1500' Offset Operator list and map

If you have any questions or need any additional information, please feel free to call me at (304) 376-0111. Thank you for taking your time to review this application.

Sincerely,

AMY L. MILLER

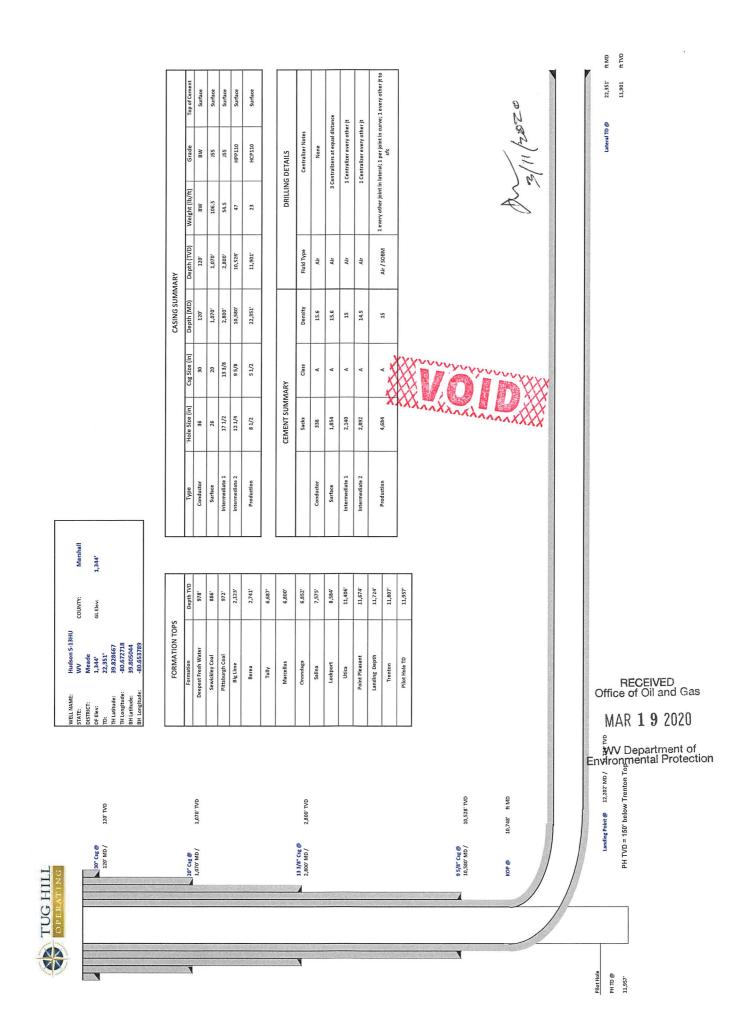
PERMITTING SPECIALIST-APPALACHIA REGION

Supplemental

TUG HILL OPERATING, LLC

Enclosures









Tug Hill Operating, LLC Casing and Cement Program

Hudson S-13HU

" "	as	- H I	-	21

	String	Grade	Bit Size	Depth (Measured)	Cement Fill Up
Conductor	30"	BW	36"	120'	CTS
Surface	20"	J55	26"	1,070'	CTS
Intermediate 1	13 3/8"	J55	17 1/2"	2,800'	CTS
Intermediate 2	9 5/8"	HPP110	12 1/4"	10,580'	CTS
Production	5 1/2"	HCP110	8 1/2"	22,351'	CTS

Cement

Surface:

Premium NE-1 + 2% bwoc CaC12 + 46.5% Fresh Water – Surface Cement mixed at 15.6 ppg, Y=1.2

Intermediate 1:

Premium NE-1 + 1% bwoc CaC12 + 46.5% Fresh Water – Intermediate Cement mixed at 15.6 ppg, Y=1.2

Intermediate 2:

Premium NE-1 + 1% bwoc CaC12 + 46.5% Fresh Water – Intermediate Cement mixed at 15.6 ppg, Y=1.99

Production:

50:50 Poz: Premium NE-1 + .1% bwoc ASA-301 + 60lb/sk ASCA-1 + .35% bwoc BA-10A + .25% bwoc MPA-170, 44 lb sack + .5% bwoc R-3 + .75 gals/100sk FP-13L $\,$ - Production Cement mixed at 15.2ppg, Y = 1.18

RECEIVED Office of Oil and Gas

MAR 1 9 2020

WV Department of Environmental Protection

WW-6B
(04/15)

API NO. 47- 051 -

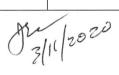
OPERATOR WELL NO. Hudson S-13HU

Well Pad Name: Hudson

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30"	NEW	BW	BW	120'	120'	259FT^3(CTS)
Fresh Water	20"	NEW	J55	106.5#	1070'	1070'	1,719FT^3(CTS)
Coal	13 3/8"	NEW	J55	54.5#	2800'	2800'	1,974FT^3(CTS)
Intermediate	9 5/8"	NEW	HPP110	47#	10,580'	10,580'	3,452FT^3(CTS)
Production	5 1/2"	NEW	P110	23#	22,351'	22,351'	5,300FT^3(CTS)
Tubing	2 7/8"	NEW	P110	6.5#		11,248'	
Liners							



TYPE	Size (in)	Wellbore Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	30"	36"	1.0	2,333	1,866	CLASS A	1.2
Fresh Water	20"	26"	.5	2,410	1,928	SEE # 24	1.2
Coal	13 3/8"	17 1/2"	.38	2,740	2,192	SEE #24	1.2
Intermediate	9 5/8"	12 1/4"	.472	10,730	、、、、、、。。。。。。	XSEE #24	1.99
Production	5 1/2"	8 1/2"	.415	16,510	10,864 💥	SEE #24	1.18
Tubing	2 7/8"			11,385	(24 ^{XXX})	X	
Liners						Office	RECEIVED of Oil and Gas

MAR 1 9 2020

WV Department of Environmental Protection

PACKERS

Kind:	N/A		
Sizes:	N/A		
Depths Set:	N/A		

a with the libert

THE RELEASE

1 Mei hhoge 1 WV 1 Donell fellissenge mis

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-2-9.1	CONSOLIDATION COAL CO.	1.00
9-2-9.2	CONSOLIDATION COAL CO.	1.00
9-3-1.2	CONSOLIDATION COAL CO.	1.00
9-3-19	CNX LAND CO. LLC	45 SQ. RODS & 3280 SQ. FT
9-5-13	SHELLY ANN JORDAN	5.51
9-7-9	CNX LAND CO. LLC	2.00
9-7-10	DONALD M. & THERESA L. HARRIS	3.00
9-8-1	CNX LAND CO. LLC	PT. OF 1 AC.
9-8-2	CNX LAND CO. LLC	6000 SQ. FT.
9-8-4.1	CNX LAND RESOURCES, INC.	0.333
9-8-5.1	CNX LAND LLC	1.040

T.H. LATITUDE 39°50'00" B.H. LATITUDE 39°50'00'

80°40'00" LONGITUDE

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT) N. 486,092.49 NAD'83 GEO. LAT-(N) 39.828667 NAD'83 UTM (M) N. 4,408,792.45

E. 1,639,154.94 LONG-(W) 80.672718 E. 528,006.42

LANDING POINT NAD'83 S.P.C.(FT) N. 486,294.8 LAT-(N) 39.829232 NAD'83 GEO

LONG-(W) 80.671734 E. 528,090.4

N. 4,408,855.5 **BOTTOM HOLE**

LONG-(W) 80.653789

NAD'83 S.P.C.(FT) N. 477,419.6

NAD'83 GEO LAT-(N) 39.805044 NAD'83 UTM (M) N. 4,406,176.7

F. 529 636 4

NOTES ON SURVEY

NO WATER WELLS WERE FOUND WITHIN 250' OF ROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD. 2. WELL SPOT CIRCLE & TOPO MARK SCALE ARE 1"=2000'

3. PROPOSED LATERAL OR TOP HOLE OF JOSON S-13HU (47-051-02293) IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF HUDSON S-11HU (47-051-02296), HUDSON S-12HU (47-051-02292), PROPOSED HUDSON S-14HU,

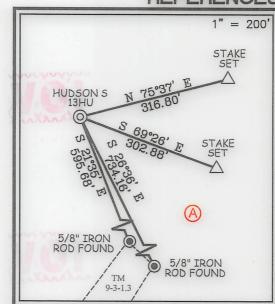
HUDSON S-12HU (4/-051-02292),
PROPOSED HUDSON S-14HU,
PROPOSED HUDSON S-15HU,
PROPOSED HUDSON S-15HU,
PROPOSED HUDSON S-16HU.

4. MINIMUM OFFSET SPACING REQUIREMENTS
EXEMPTED BY WAIVER WITH THE WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE
OF OIL AND GAS AND OFFSET LEASEHOLDER
AGREEMENTS AS PROVIDED BY TUG HILL OPERATING.



NAD'83 UTM (M)

REFERENCES



(+) DENOTES LOCATION OF WELL ON UNITED

COUNTY

STATES TOPOGRAPHIC MAPS. **AUGUST 23**



254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296

MINIMUM DEGREE

HORIZONTAL & VERTICAL

OF ACCURACY

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S 849

1 / 2500

FILE NO. 8911P13HUR2.dwg HUDSON S-13HU REV6 1" = 2000SCALE

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

REVISED 10/22/19, 03/18/20

OPERATORS WELL NO. _

STATE

API

WELL



MODI

02293

, 20

HUDSON S-13HU

DGPS (SURVEY GRADE TIE TO CORS NETWORK) CONTROL DETERMINED BY WASTE WELL GAS X _ INJECTION "GAS" PRODUCTION X STORAGE DEEP X SHALLOW TYPE:

B.H-

GROUND = 1,370.20' PROPOSED = 1,344.81' LOCATION: GRAVE CREEK (HUC 10) ELEVATION _ WATERSHED_

DISTRICT . MEADE MARSHALL COUNTY **GLEN EASTON 7.5** QUADRANGLE CNX LAND LLC SURFACE OWNER _ 106.935± ACREAGE _ ROYALTY OWNER ___CHARLENE L. BAKER, ET AL 106.935± ACREAGE _ SEE WW-6A1 LEASE NO. __

DRILL X CONVERT DRILL DEEPER __ _ REDRILL _____ FRACTURE OR STIMULATE __X PLUG OFF OLD

PERFORATE NEW FORMATION _____ PLUG AND ABANDON ___ FORMATION____ CLEAN OUT AND REPLUG____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) POINT PLEASANT

TARGET FORMATION _ ESTIMATED DEPTH TVD: 11,957' / TMD: 22,351

WELL OPERATOR TUG HILL OPERATING, LLC ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500

DESIGNATED AGENT

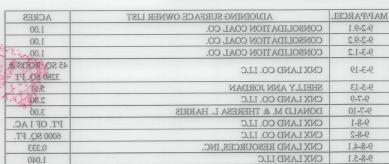
DIANNA STAMPER CT CORPORATION SYSTEM

FORT WORTH, TX 76107

ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

HUDSON S LEASE UTICA UNIT - 327.49 AC± WELL 13HU TUG HILL OPERATING

ACRES	ADJOINING SURFACE OWNER LIST	MAP/PARCEL
1.00	CONSOLIDATION COAL CO.	9-2-9.1
1.00	CONSOLIDATION COAL CO.	9-2-9.2
1.00	CONSOLIDATION COAL CO.	9-3-1.2
45 SQ, RODS & 3280 SQ, FT.	CNX LAND CO, LLC	9-3-19
5.51	SHELLY ANN JORDAN	9-5-13
2.00 %	CNX LAND CO. LLC	9-7-9
3.00	DONALD M. & THERESA L. HARRIS	9-7-10
PT. OF 1 AC.	CNX LAND CO. LLC	9-8-1
6000 SQ. FT.	CNX LAND CO. LLC	9-8-2
0.333	CNX LAND RESOURCES, INC.	9-8-4.1
1.040	CNIATIVITIC	0.9.5.1



(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH) E. 1,639,154.94 NAD'83 S.P.C.(FT) N. 486,092.49 LONG-(W) 80.672718 LAT-(N) 39.828667 NAD'83 GEO. NAD'83 UTM (M) N. 4,408,792.45 E. 528,006,42 LANDING POINT E. 1,639,434.0 NAD'83 S.P.C.(FT) N. 486,294.8 LAT-(N) 39.829232 LONG-(W) 80.671734 NAD'83 GEO NAD'83 UTM (M) E. 528,090.4 N. 4.408.855.5 BOTTOM HOLE E. 1,644,360.1 NAD'83 S.P.C.(FT) LONG-(W) 80.653789 LAT-(N) 39.805044 NAD'83 GEO. NAD'83 UTM (M) E. 529.636.4 N. 4,406,176,7

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250 PROPOSED GAS WELL NO AGRICULTURAL BUILD 2 2500 SQ. FT. OR DWELLINGS WERE FOUND V 625 OF THE CENTER OF PROPOSED WELL P 1"=2000"

3. PROPOSED LATERAL OR TOP HOLE OF HUDSON S−13HU (47−051−02293) IS WITHIN 1 HUDSON S−11HU (47−051−02293) HUDSON S−11HU (47−051−02296) HUDSON S−12HU (47−051−02296) HUDSON S−12HU (47−051−02296) PROPOSED HUDSON S−14HU,

HUDSON S-12HU (47-051-02292),
PROPOSED HUDSON S-14HU,
PROPOSED HUDSON S-15HU,
PROPOSED HUDSON S-16HU,
4. MINIMUM OFFSET SPACING REQUIREMENTS
EXEMPTED BY MANER WITH THE WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE
AGREEMENTS AS PROVIDED BY TUG HILL OPERATING.



-8,088' B.H.-

-- 1,699' T.H.-

80,40,00,

LONGITUDE LONGITUDE

H.B

0,305

T.H. LATITUDE 39°50'00"

B.H. LATITUDE 39°50'00"

REFERENCES = 200'STAKE 5/8" IRON ROD FOUND

212	5
278	u
FROM THE GROUND UP	

254 East Beckley Bypass | Beckley, WV 25801 | 304,255,5296

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849

MINIMUM DEGREE 1/2500 OF ACCURACY

CNX LAND LLC

CHARLENE L. BAKER, ET AL

8911P13HUR2.dwg FILE NO. HUDSON S-13HU REV6 SCALE

WATERSHED.

COUNTY

= 2000'DGPS (SURVEY GRADE TIE

REDRILL ___ PLUG AND ABANDON

MARSHALL

OTOR MOVIEW

B.H.5

AUGUST 23 DATE , 20 _ 10/22/19, 03/18/20 REVISED **HUDSON S-13HU** OPERATORS WELL NO. 1 OOM API WELL 02293PERMIT COUNTY STATE

(+) DENOTES LOCATION OF WELL ON UNITED

STATES TOPOGRAPHIC MAPS.

STATE OF WEST VIRGIN DIVISION OF ENVIRONMENTAL PROTECT OFFICE OF OIL AND GAS

	Al
To the state of th	CTION
aline Harange Water	6

					KS NETWORK)	00 01
					FI	
SHALL	X	_ DEEP_	STORAGE	X	"GAS" PRODUCTION	

_	SHALLOW_	X	DEEP_	STORAGE	X	"GAS" PRODUCTION		
					(01)	CBAVE CBEEK HILL		

GLEN EASTON 7.5'	QUADRANGLE
106.935±	ACREAGE
106.935±	ACREAGE
SEE WW-6A1	LEASE NO

		LLAGE NO.
PLUG OFF OLD	X	FRACTURE OR STIMULATE _
OTHER	PILIG	CLEAN OUT AND RE

OTHER_	REPLUG_	CLEAN OUT AND	
PLEASANT	POINT	FORMATION	

Т	SAN	POINT PLEA		TARGET FORMATION
51'	22,35	11,957' / TMD:	TVD:	ESTIMATED DEPTH_

DIANNA STAMPER CT CORPORATION SYSTEM 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

DESIGNATED AGENT ADDRESS

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107

__ DRILL DEEPER __

WELL OPERATOR TUG HILL OPERATING, LLC

HORIZONTAL & VERTICAL

CONTROL DETERMINED BY _ INJECTION

GAS_X

WELL GROUND = 1,370.20' PROPOSED = 1,344.81'

TYPE:

LOCATION:

ELEVATION MEADE

DISTRICT

SURFACE OWNER _

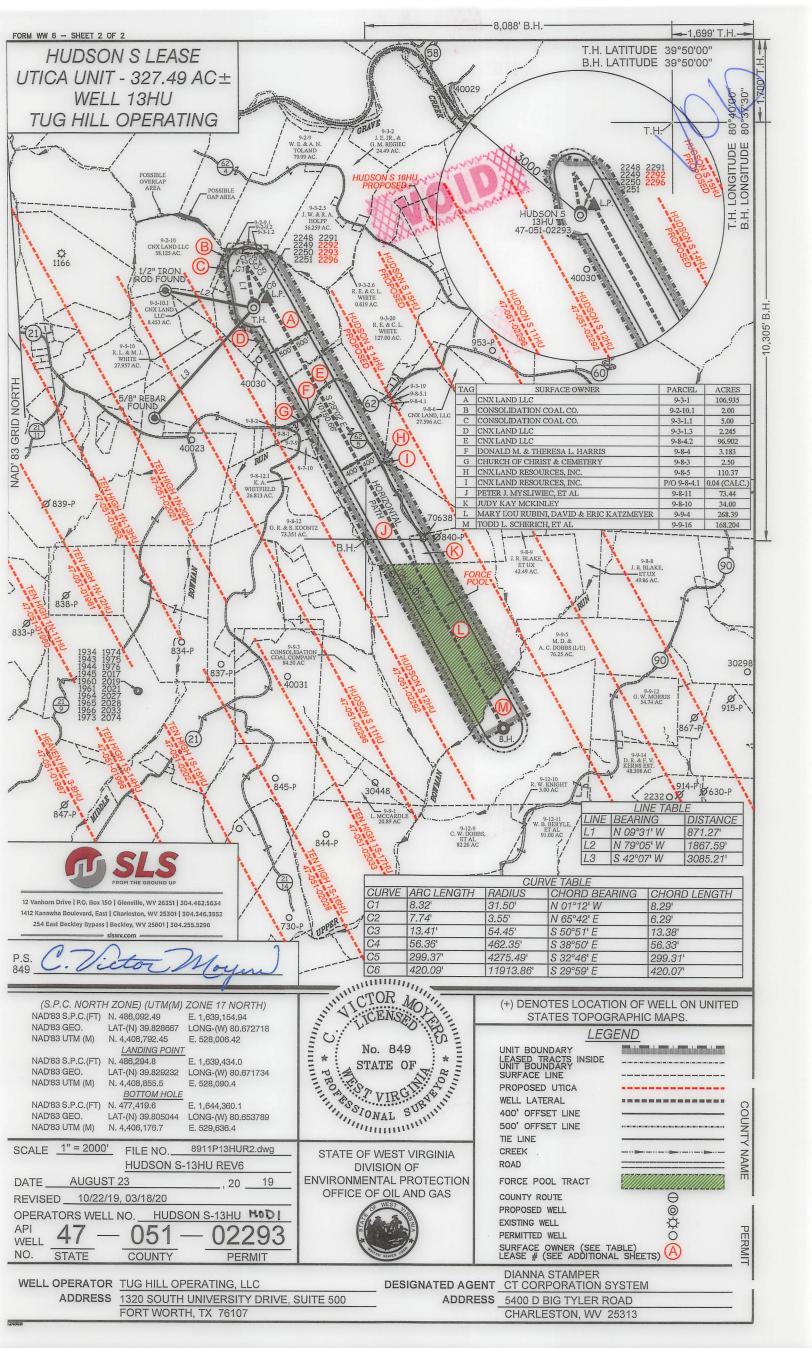
ROYALTY OWNER _

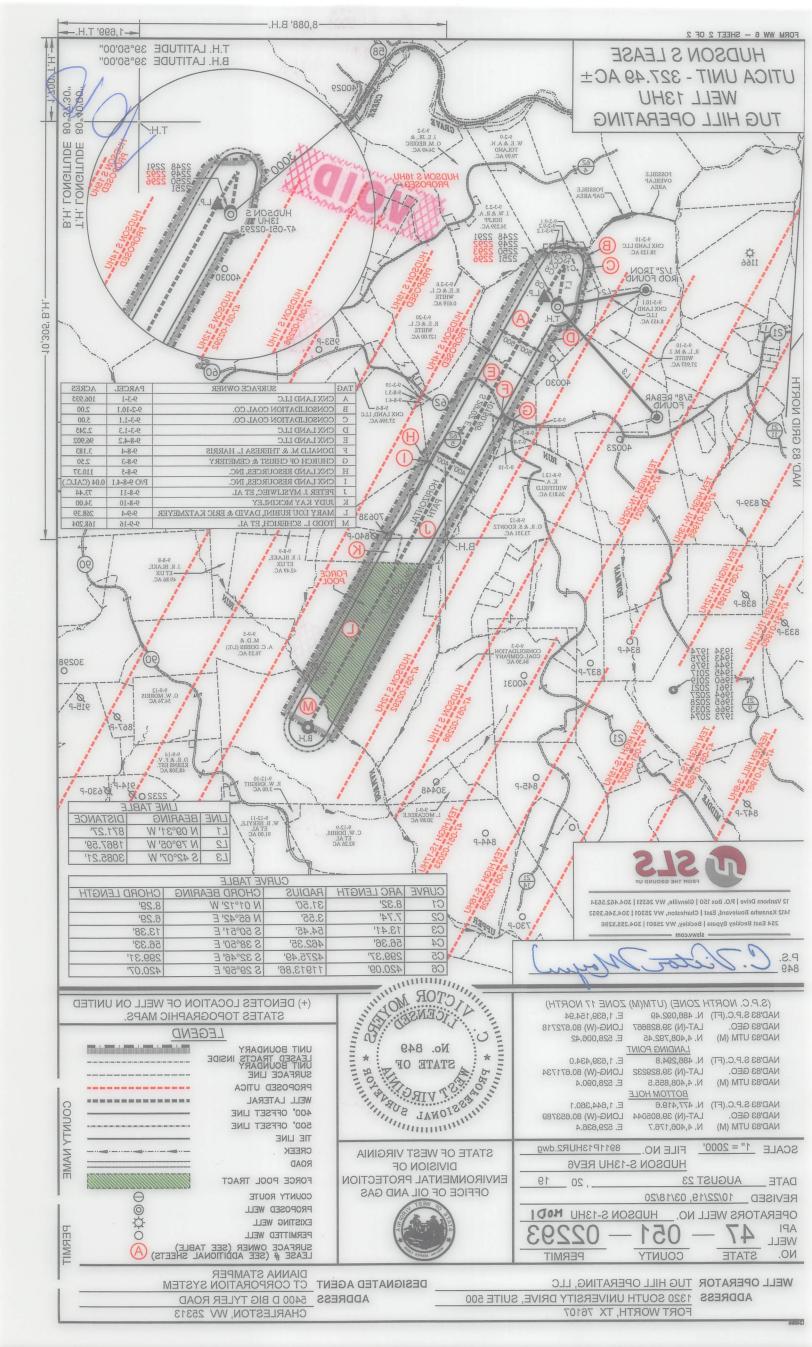
PROPOSED WORK:

DRILL X CONVERT

PERFORATE NEW FORMATION ____ FORMATION___

PHYSICAL CHANGE IN WELL (SPECIFY)





HUDSON S LEASE UTICA UNIT -327.49 AC± WELL 13HU TUG HILL OPERATING



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634 2 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952 254 East Beckley Bypass | Beckley, WV 25801 | 304.236.5295

⇒ slswv.com =

NO.	Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Deed Bo	ok/Page
1	10*26041	9-3-1	Α	FREDDIE C WHITE AND VIOLET L WHITE, ET AL	728	527
2	10*26711	9-2-10.1	В	CNX GAS COMPANY LLC	1039	1
3	10*26044	9-3-1.1	С	JOYCE A WALLACE, ET AL	863	296
4	10*26018	9-3-1.3	D	NANCY L WEST, ET AL	737	248
5	10*47051.109.0	9-8-4.2	E	DONALD M AND THERESA L HARRIS, ET AL	859	440
6	10*47051.109.0	9-8-4	F	DONALD M AND THERESA L HARRIS, ET AL	859	440
7	10*26113	9-8-3	G	ELDWIN OTIS RINE AND MARY L RINE, ET AL	880	434
8	10*23739	9-8-5	Н	APPALACHIAN BASIN MINERALS LP, ET AL	1011	538
9	10*22760	9-8-4.1	1	DONALD MAND THERESA L HARRIS, ET AL	968	294
10	10*22745	9-8-11	J	BONNIE J JENKINS, ET AL	968	288
11	10*21246	9-8-10	К	THE ESTATE OF THERESA M ROGERSON CHARLES J ROGERSON EXECUTOR, ET AL	952	422
12	N/A	9-9-4	L	MARY LOU RUBINI FKA MARY LOU MILLER, ET AL	793	287
13	10*19987	9-9-16	М	LESLEY D BALLA, ET AL	955	103



FILE NO. 8911P13HUR2.dwg HUDSON S-11HU REV6 DATE ____AUGUST 23

REVISED 10/22/19, 03/18/20

OPERATORS WELL NO.

API

HUDSON S-11HU

WELL NO. STATE

COUNTY

PERMIT MODI

No. 849
STATE OF

NO. 849
STATE OF

NO. 849
STATE OF

NO. 849

STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS



P.S.

WELL OPERATOR TUG HILL OPERATING, LLC

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500

FORT WORTH, TX 76107

DESIGNATED AGENT

DIANNA STAMPER CT CORPORATION SYSTEM

ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313 COUNTY NAME

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

*See attached pages

*Co-tenancy utilization – At least 7 mineral owners in tract. At least 75% of the royalty owners have executed a lease on the tract. The interests of the remaining co-tenants were acquired pursuant to the Co-tenancy Modernization and Majority Protection Act.

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:	Tug Hill Operating, LLC
By:	Amy L. Miller Wysbuller
Its:	Permitting Specialist - Appalachia Region

			MAIN ormanice	Country Large The	T		. /-	T			
Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment	Assignment	Assignment
			Manuer.						Statoil USA Onshore Properties		Chevron USA Inc to TH
			Enviro	CHESAPEAKE APPALACHIA				Statoil USA Onshore	Inc to Chevron USA Inc:	Chesapeake Appalachia LLC to	
10*26041	9-3-1	Α	Grantor, Lessor, Etc. WY Departmental Protection FREDDIE C WHITE AND VIOLET L WHITE	LLC	1/8+	728	527	Properties Inc: 27/386	30/427	Chevron USA Inc: 30/461	Exploration LLC: 43/95
											Chevron USA Inc to TH
			Loves A WALLES								Exploration II LLC & TH
10*26044	9-3-1	А	JOYCE A WALLACE	CHEVRON USA INC	1/8+	863	296	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
									2		Exploration II LLC & TH
10*26047	9-3-1	А	ROBERT D BLAKE AND ATHENA LIBERTY BLAKE	CHEVRON USA INC	1/8+	863	138	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26048	9-3-1	А	LOIS J ELIAS AND LOUIS J ELIAS	CHEVRON USA INC	1/8+	861	599	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26049	9-3-1	А	MARY H HUBBS	CHEVRON USA INC	1/8+	863	560	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26050	9-3-1	А	BERNARD O CROW AND KAREN S CROW	CHEVRON USA INC	1/8+	863	627	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26051	9-3-1	А	ROBERT W KIDNER	CHEVRON USA INC	1/8+	863	644	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26052	9-3-1	А	BETTY J BLAKE	CHEVRON USA INC	1/8+	863	545	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26053	9-3-1	А	ANTHONY T MOORE	CHEVRON USA INC	1/8+	854	343	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26054	9-3-1	Α	HIRAM VERNON MOORE	CHEVRON USA INC	1/8+	854	353	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26055	9-3-1	Α	LARRY W MOORE SR	CHEVRON USA INC	1/8+	854	348	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26056	9-3-1	Α	RONALD W MOORE	CHEVRON USA INC	1/8+	854	338	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
					×						Exploration II LLC & TH
10*26057	9-3-1	А	JOHN PURDY AND BRENDA S PURDY	CHEVRON USA INC	1/8+	854	420	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26058	9-3-1	Α	CAROLE J WOOD	CHEVRON USA INC	1/8+	854	415	N/A	N/A	N/A	Exploration LLC: 43/95

Lease ID	Parcel	Tags	Grantor, Lessor, Etc. When the Environmental Protection of th	Grantee, Lessee, Etc.	Royalty	Deed B	ook/Page	Assignment	Assignment	Assignment	Assignment
)		Wymente				, ,	3		, accignition	Chevron USA Inc to TH
			Environ								Exploration II LLC & TH
10*26059	9-3-1	А	TERRY L BLAKE	CHEVRON USA INC	1/8+	854	215	N/A	N/A	N/A	Exploration LLC: 43/95
									,	.,,,,,	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26060	9-3-1	A	ROBERT C BLAKE AND LYN BLAKE	CHEVRON USA INC	1/8+	854	333	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26061	9-3-1	А	RODNEY W AND LINDA L HUBBS	CHEVRON USA INC	1/8+	854	435	N/A	N/A	N/A	Exploration LLC: 43/95
									·	<u>'</u>	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26062	9-3-1	Α	SHANNON ROGER AND LORRAINE HUBBS	CHEVRON USA INC	1/8+	854	233	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26063	9-3-1	А	PATTY L RINE AND FLOYD D RINE	CHEVRON USA INC	1/8+	854	238	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26064	9-3-1	А	CATHARINE LEE BLAKE	CHEVRON USA INC	1/8+	863	550	N/A	N/A	N/A	Exploration LLC: 43/95
					-					·	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26066	9-3-1	А	DANNY E AND MARVA L BEYSER	CHEVRON USA INC	1/8+	858	36	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26067	9-3-1	Α	DONALD DEAN BEYSER	CHEVRON USA INC	1/8+	858	41	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26068	9-3-1	Α	GARY F BLAKE AND DORIS E BLAKE	CHEVRON USA INC	1/8+	858	31	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26069	9-3-1	Α	MARILYN SUE REILLEY	CHEVRON USA INC	1/8+	857	597	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
1											Exploration II LLC & TH
10*26070	9-3-1	А	MARY W HOLMES	CHEVRON USA INC	1/8+	857	602	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26071	9-3-1	А	CHARLENE LORRAINE BAKER	CHEVRON USA INC	1/8+	857	607	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
					5 550						Exploration II LLC & TH
10*26072	9-3-1	А	JAMES L BLAKE	CHEVRON USA INC	1/8+	857	616	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26073	9-3-1	Α	DARLENE L BEYSER	CHEVRON USA INC	1/8+	860	176	N/A	N/A	N/A	Exploration LLC: 43/95

Lease ID	Parcel	Tags	Grantor, Lessor, Etc. MAR MAR Department RANDYLYN MOORE AKA RANDY MOOREAKA RA	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment	Assignment	Assignment
Lease-ID	Parcei	Tags	MAIN orthogo	Solution, Lessee, Ltc.	Royalty	Deca be	Jokyrage	Assignment	Assignment	Assignment	Chevron USA Inc to TH
			a Departal Fro								Exploration II LLC & TH
10*26074	9-3-1	A	RANDYLYN MOORE AKA RANDY MOOREYON	CHEVRON USA INC	1/8+	860	166	N/A	N/A	N/A	Exploration LLC: 43/95
10 20074	331		TO MEDIZING TO MEDIZING		2/01		100	14,71	14,7.	14/74	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26075	9-3-1	A	BETTY JOANN CECIL	CHEVRON USA INC	1/8+	860	119	N/A	N/A	N/A	Exploration LLC: 43/95
10 20075	331		DETTI SOMMIT GESTE					,,,,	13,71	147.	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26076	9-3-1	A	DORIS IMOGENE GARRISON	CHEVRON USA INC	1/8+	860	114	N/A	N/A	N/A	Exploration LLC: 43/95
10 20070	331	,,			-/			,			Chevron USA Inc to TH
											Exploration II LLC & TH
10*26077	9-3-1	A	DOROTHY J AND ROBERT M BLAKE	CHEVRON USA INC	1/8+	860	104	N/A	N/A	N/A	Exploration LLC: 43/95
10 20077	332				1						Chevron USA Inc to TH
											Exploration II LLC & TH
10*26078	9-3-1	А	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	860	228	N/A	N/A	N/A	Exploration LLC: 43/95
10 20070								•	<u> </u>		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26079	9-3-1	A	MARY O'DESSA HARRIS LOUDEN	CHEVRON USA INC	1/8+	860	109	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
			SHARON DIANE HOLMES JAHN AND WILLILAM HENRY								Exploration II LLC & TH
10*26080	9-3-1	А	JAHN III - W/H	CHEVRON USA INC	1/8+	860	217	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26081	9-3-1	A	CYNTHIA JEAN AND EDDIE W WILSON	CHEVRON USA INC	1/8+	861	545	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26082	9-3-1	Α	BRIAN C AND SARA M LUTZ	CHEVRON USA INC	1/8+	861	550	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26083	9-3-1	А	WILLIAM S BLAKE JR	CHEVRON USA INC	1/8+	861	535	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26084	9-3-1	Α	CYNTHIA A AND JAMES O DAVIDSON	CHEVRON USA INC	1/8+	889	46	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
							(4)				Exploration II LLC & TH
10*26085	9-3-1	Α	CLYDE R AND JANA HIGGINS	CHEVRON USA INC	1/8+	861	508	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26086	9-3-1	А	DELMAS W AND ROSE HIGGINS	CHEVRON USA INC	1/8+	861	503	N/A	N/A	N/A	Exploration LLC: 43/95
				8							Chevron USA Inc to TH
											Exploration II LLC & TH
10*26087	9-3-1	Α	JERRY L AND DENISE HIGGINS	CHEVRON USA INC	1/8+	861	526	N/A	N/A	N/A	Exploration LLC: 43/95

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Lease ID	Parcel	Tags	Grantor, Lessor, Etc. MAR W Departm W Departm Environmental Environmental	Grantee, Lessee, Etc.	Royalty	Deed B	ook/Page	Assignment	Assignment	Assignment	Assignment
			Min	en ection				V	0		Chevron USA Inc to TH
			N Departal	210-							Exploration II LLC & TH
10*26088	9-3-1	А	SHIRL W AND DORIS HIGGINS	CHEVRON USA INC	1/8+	861	540	N/A	N/A	N/A	Exploration LLC: 43/95
,			Elli					•			Chevron USA Inc to TH
											Exploration II LLC & TH
10*26089	9-3-1	Α	ALVA L AND SHIRLEY HIGGINS	CHEVRON USA INC	1/8+	861	521	N/A	N/A	N/A	Exploration LLC: 43/95
								·	· ·		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26090	9-3-1	Α	H DEAN AND KAREN HIGGINS	CHEVRON USA INC	1/8+	861	516	N/A	N/A	N/A	Exploration LLC: 43/95
									·		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26091	9-3-1	Α	JOELENE M MANN	CHEVRON USA INC	1/8+	864	55	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26092	9-3-1	А	SHAWN J AND SARAH E CREWS	CHEVRON USA INC	1/8+	864	50	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26093	9-3-1	Α	JOYCE HOLMES CONE AND WILLLIAM CONE - W/H	CHEVRON USA INC	1/8+	861	493	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26094	9-3-1	Α	MARK L CURRY	CHEVRON USA INC	1/8+	865	102	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26095	9-3-1	Α	CHRISTINA C MUNSON	CHEVRON USA INC	1/8+	865	107	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
61											Exploration II LLC & TH
10*26097	9-3-1	Α	DAVID L BEYSER	CHEVRON USA INC	1/8+	865	173	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26098	9-3-1	Α	KIMBERLY J HOLDER	CHEVRON USA INC	1/8+	867	87	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26099	9-3-1	Α	CAROL TROWBRIDGE ET VIR	CHEVRON USA INC	1/8+	866	138	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26100	9-3-1	Α	JOSEPH L AND ROSE MARIE MAUPIN	CHEVRON USA INC	1/8+	866	67	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26120	9-3-1	Α	JAMES D AND LINDA D YOCUM	CHEVRON USA INC	1/8+	884	635	N/A	N/A	N/A	Exploration LLC: 43/95
5											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26121	9-3-1	Α	BETTY BRYNER	CHEVRON USA INC	1/8+	871	64	N/A	N/A	N/A	Exploration LLC: 43/95

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			Grantor, Lessor, Etc. W Departs W Departs GERALD W QUIGLEY AND VICKI L QUIGLEY FREDA L CAMPBELL								Chevron USA Inc to TH
10*26236	9-3-1	A	GERALD W OTHER EX AND VICKLY OTHER EX	CHEVRON LISA INC	1/8+	884	50	N/A	N1/A	N./A	Exploration II LLC & TH
10. 20230	9-3-1	A	GERALD W QUIGLET AND VICKI E QUIGLET	CHEVRON OSA INC	1/0+	004	30	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
10*26237	9-3-1	A	FREDA L CAMPBELL	CHEVRON USA INC	1/8+	889	40	N/A	N/A	N/A	Exploration II LLC & TH
10 26237	3-3-1	A	TREBA E CAIVIT BEEE	CHEVION OSA INC	1/01	003	40	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH Exploration II LLC & TH
10*26238	9-3-1	A	MARSHA L MERCER	CHEVRON USA INC	1/8+	883	639	N/A	N/A	N/A	Exploration LLC: 43/95
10.50529	9-3-1	A -	WARSHA E WERCER	CHEVION OSA INC	1/6+	003	033	N/A	N/A	IN/A	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26287	9-3-1	A	IVAN R AND MARY A BLAKE	CHEVRON USA INC	1/8+	888	542	N/A	N/A	N/A	Exploration LLC: 43/95
10 20287	9-3-1		IVAN IVANO MART A BEARE	CHEVION OSA INC	1/61	000	342	IN/A	IN/A	IN/A	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26288	9-3-1	A	REBECCA J BLAKE	CHEVRON USA INC	1/8+	888	571	N/A	N/A	N/A	Exploration LLC: 43/95
10 20200	331		THE BEGONS BE WE	enzynen eskine	1/01	000	3/1	14/6	I IV/A	IN/A	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26289	9-3-1	A	DUANETTA B BLAKE FROMHART	CHEVRON USA INC	1/8+	888	574	N/A	N/A	N/A	Exploration LLC: 43/95
10 20203	331				2,01		371		1975	IV/A	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26291	9-3-1	A	BARBARA A BLAKE MASON	CHEVRON USA INC	1/8+	901	125	N/A	N/A	N/A	Exploration LLC: 43/95
10 10101					-,-				147.	14/7	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26292	9-3-1	A	JUDITH L BLAKE	CHEVRON USA INC	1/8+	882	329	N/A	N/A	N/A	Exploration LLC: 43/95
								•			Chevron USA Inc to TH
											Exploration II LLC & TH
10*26293	9-3-1	A	JAY C CURRY	CHEVRON USA INC	1/8+	882	433	N/A	N/A	N/A	Exploration LLC: 43/95
									·		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26294	9-3-1	А	JOAN A GIEGER	CHEVRON USA INC	1/8+	880	509	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
			2								Exploration II LLC & TH
10*26295	9-3-1	А	ARTHUR LEE WARYCK	CHEVRON USA INC	1/8+	880	512	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26296	9-3-1	Α	CARL G CALDWELL	CHEVRON USA INC	1/8+	883	530	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26297	9-3-1	А	DIANA L MCKINNEY	CHEVRON USA INC	1/8+	885	560	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26298	9-3-1	А	JANE HENDRICKSON	CHEVRON USA INC	1/8+	886	429	N/A	N/A	N/A	Exploration LLC: 43/95

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Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed B	ook/Page	Assignment	Assignment	Assignment	Assignment
			- wironmerit	ont of tion roter Grantee, Lessee, Etc.							Chevron USA Inc to TH
			Elle								Exploration II LLC & TH
10*26299	9-3-1	Α	BETTY WILKINSON DANIEL A MCVANE AIF	CHEVRON USA INC	1/8+	886	432	N/A	N/A	N/A	Exploration LLC: 43/95
			*****								Chevron USA Inc to TH
											Exploration II LLC & TH
10*26300	9-3-1	Α	JILL LORI HENNEN BARNETT	CHEVRON USA INC	1/8+	886	439	N/A	N/A	N/A	Exploration LLC: 43/95
10*27180	9-3-1	Α	TAMALA SCOLLICK	TH EXPLORATION LLC	1/8+	1053	1	N/A	N/A	N/A	N/A
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26065	9-3-1	Α	DENNIS F MOORE JOLENE A MOORE	CHEVRON USA INC	1/8+	857	646	N/A	N/A	N/A	Exploration LLC: 43/95
10*27181	9-3-1	Α	CRYSTAL THOMAS	TH EXPLORATION LLC	1/8+	1052	648	N/A	N/A	N/A	N/A
10*27703	9-3-1	Α	DOROTHY MAXINNE MOORE TRUST	TH EXPLORATION LLC	1/8+	1061	255	N/A	N/A	N/A	N/A
10*26711	9-2-10.1	В	CNX GAS COMPANY LLC	TH EXPLORATION LLC	1/8+	1039	1	N/A	N/A	N/A	N/A
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26044	9-3-1.1	С	JOYCE A WALLACE	CHEVRON USA INC	1/8+	863	296	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26047	9-3-1.1	С	ROBERT D BLAKE AND ATHENA LIBERTY BLAKE	CHEVRON USA INC	1/8+	863	138	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
								-			Exploration II LLC & TH
10*26048	9-3-1.1	С	LOIS J ELIAS AND LOUIS J ELIAS	CHEVRON USA INC	1/8+	861	599	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26049	9-3-1.1	С	MARY H HUBBS	CHEVRON USA INC	1/8+	863	560	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26050	9-3-1.1	С	BERNARD O CROW AND KAREN S CROW	CHEVRON USA INC	1/8+	863	627	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26051	9-3-1.1	С	ROBERT W KIDNER	CHEVRON USA INC	1/8+	863	644	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26052	9-3-1.1	С	BETTY J BLAKE	CHEVRON USA INC	1/8+	863	545	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26053	9-3-1.1	С	ANTHONY T MOORE	CHEVRON USA INC	1/8+	854	343	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26054	9-3-1.1	С	HIRAM VERNON MOORE	CHEVRON USA INC	1/8+	854	353	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26055	9-3-1.1	С	LARRY W MOORE SR	CHEVRON USA INC	1/8+	854	348	N/A	N/A	N/A	Exploration LLC: 43/95

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											Chevron USA Inc to TH		
10125056) 0211		DONALD W MOODE	CHEVRON HEALING	1/0.	054	220				Exploration II LLC & TH		
10*26056	9-3-1.1	С	RONALD W MOORE	CHEVRON USA INC	1/8+	854	338	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*26057	0.3.1.1	С	IOLINI BUIDDY AND BRENDA C BUIDDY	CHEVRON HEA INC	1/0.	054	420	21/2			Exploration II LLC & TH		
10*26057	9-3-1.1	C	JOHN PURDY AND BRENDA S PURDY	CHEVRON USA INC	1/8+	854	420	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*2000	0.2.1.1		CAROLE J WOOD	CHEVRON HEA INC	1/0.	054	445	21/2			Exploration II LLC & TH		
10*26058	9-3-1.1	С	CAROLE J WOOD	CHEVRON USA INC	1/8+	854	415	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*25050	0.2.1.1	С	TERRY L DI AVE	CHEVRON HEA INC	1/0.	054	245				Exploration II LLC & TH		
10*26059	9-3-1.1	C	TERRY L BLAKE	CHEVRON USA INC	1/8+	854	215	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*25050	0.2.1.1		DODEDT C DI AVE AND I VAI DI AVE	CHEVEON HEA INC	1/0:	05.4	222				Exploration II LLC & TH		
10*26060	9-3-1.1	С	ROBERT C BLAKE AND LYN BLAKE	CHEVRON USA INC	1/8+	854	333	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*05051	0.244		DODNEY W AND LINDA I HILDDS	CHEV/DONILICA INC	1/0.	05.4	405				Exploration II LLC & TH		
10*26061	9-3-1.1	С	RODNEY W AND LINDA L HUBBS	CHEVRON USA INC	1/8+	854	435	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*05050	0.244		CHANNON DOCED AND LORDAINE HILDER	CHEV/DON HIGA INIC	1/0	05.4					Exploration II LLC & TH		
10*26062	9-3-1.1	С	SHANNON ROGER AND LORRAINE HUBBS	CHEVRON USA INC	1/8+	854	233	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*26062	0.2.1.1		PATTY L RINE AND FLOYD D RINE	CHEVIDON HISA INIC	1/0.	054	220	21/2			Exploration II LLC & TH		
10*26063	9-3-1.1	С	PATTY L RINE AND FLOYD D RINE	CHEVRON USA INC	1/8+	854	238	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*25054	0.2.1.1		CATHARINE LEE BLAKE	CHEVRON USA INC	1/0.	0.60	550	21/2			Exploration II LLC & TH		
10*26064	9-3-1.1	С	CATHARINE LEE BLAKE	CHEVRON USA INC	1/8+	863	550	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*2000	0.2.1.1	С	DANNY E AND MARVA L BEYSER	CHEVRON USA INC	1/0.	0.50	26	21/2	2172		Exploration II LLC & TH		
10*26066	9-3-1.1		DANNY E AND WARVA L BETSER	CHEVRON USA INC	1/8+	858	36	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*25057	0.2.1.1	C	DONALD DEAN BEYSER	CHEVRON USA INC	1/0.	050	44	21.72		***	Exploration II LLC & TH		
10*26067	9-3-1.1		DONALD DEAN BEYSER	CHEVRON USA INC	1/8+	858	41	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*25050	0.2.1.1		CARVERIANE AND DODIS E DI AVE	CHEADON HEVING	1/0.	050	24	21/2			Exploration II LLC & TH		
10*26068	9-3-1.1	С	GARY F BLAKE AND DORIS E BLAKE	CHEVRON USA INC	1/8+	858	31	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*2000	0.211		MARILYNI SHE REHLEV	CHEVRON LISA INC	1/0.	0.57	507	N1 / A			Exploration II LLC & TH		
10*26069	9-3-1.1	С	MARILYN SUE REILLEY	CHEVRON USA INC	1/8+	857	597	N/A	N/A	N/A	Exploration LLC: 43/95		
											Chevron USA Inc to TH		
10*26070	0.2.1.1		MARY W HOLMES	CHEVDON LISA INC	1/0.	0.57	602	NI / A			Exploration II LLC & TH		
10*26070	9-3-1.1	C	MARY W HOLMES	CHEVRON USA INC	1/8+	857	602	N/A	N/A	N/A	Exploration LLC: 43/95		

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											Chevron USA Inc to TH
10*20071	0211		CHARLENE LORDAINE DAVED	CHEVIDON HEATING	1/0.	057	607	N/A	N1/A	N/A	Exploration II LLC & TH
10*26071	9-3-1.1	С	CHARLENE LORRAINE BAKER	CHEVRON USA INC	1/8+	857	607	N/A	N/A	N/A	Exploration LLC: 43/95 Chevron USA Inc to TH
			3.4								
10*2072	0311		IANAEC I DI AVE	CHEVIDON HIGA INIC	1/0.	057	C1C	N/0	N1/A	N/A	Exploration II LLC & TH Exploration LLC: 43/95
10*26072	9-3-1.1	С	JAMES L BLAKE	CHEVRON USA INC	1/8+	857	616	N/A	N/A	N/A	Chevron USA Inc to TH
10*26072			DADIENE I DEVCED	CHEMBON HEADING	1/0	0.00	476		21/2	21/2	Exploration II LLC & TH
10*26073	9-3-1.1	С	DARLENE L BEYSER	CHEVRON USA INC	1/8+	860	176	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
10*25074			DANIDWAY AGODE 4//4 DANIDWAY AGODE	CHEMBON HEATING	1/0	0.00	4.55		21/2	1174	Exploration II LLC & TH
10*26074	9-3-1.1	С	RANDYLYN MOORE AKA RANDY MOORE	CHEVRON USA INC	1/8+	860	166	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
		_									Exploration II LLC & TH
10*26075	9-3-1.1	С	BETTY JOANN CECIL	CHEVRON USA INC	1/8+	860	119	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26076	9-3-1.1	С	DORIS IMOGENE GARRISON	CHEVRON USA INC	1/8+	860	114	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
	-										Exploration II LLC & TH
10*26077	9-3-1.1	С	DOROTHY J AND ROBERT M BLAKE	CHEVRON USA INC	1/8+	860	104	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26078	9-3-1.1	С	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	860	228	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26079	9-3-1.1	С	MARY O'DESSA HARRIS LOUDEN	CHEVRON USA INC	1/8+	860	109	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
			SHARON DIANE HOLMES JAHN AND WILLILAM HENRY								Exploration II LLC & TH
10*26080	9-3-1.1	С	JAHN III - W/H	CHEVRON USA INC	1/8+	860	217	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
										55.5	Exploration II LLC & TH
10*26081	9-3-1.1	С	CYNTHIA JEAN AND EDDIE W WILSON	CHEVRON USA INC	1/8+	861	545	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26082	9-3-1.1	С	BRIAN C AND SARA M LUTZ	CHEVRON USA INC	1/8+	861	550	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26083	9-3-1.1	С	WILLIAM S BLAKE JR	CHEVRON USA INC	1/8+	861	535	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26084	9-3-1.1	С	CYNTHIA A AND JAMES O DAVIDSON	CHEVRON USA INC	1/8+	889	46	N/A	N/A	N/A	Exploration LLC: 43/95

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Operator's Well No. <u>Hudson S - 13HU</u>

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			4. 2.						rear Protection		Exploration II LLC & TH
10*26085	9-3-1.1	С	CLYDE R AND JANA HIGGINS	CHEVRON USA INC	1/8+	861	508	N/A	N/A	N/A	Exploration LLC: 43/95
)		7								Chevron USA Inc to TH
											Exploration II LLC & TH
10*26086	9-3-1.1	С	DELMAS W AND ROSE HIGGINS	CHEVRON USA INC	1/8+	861	503	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26087	9-3-1.1	С	JERRY L AND DENISE HIGGINS	CHEVRON USA INC	1/8+	861	526	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26088	9-3-1.1	С	SHIRL W AND DORIS HIGGINS	CHEVRON USA INC	1/8+	861	540	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26089	9-3-1.1	С	ALVA L AND SHIRLEY HIGGINS	CHEVRON USA INC	1/8+	861	521	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26090	9-3-1.1	С	H DEAN AND KAREN HIGGINS	CHEVRON USA INC	1/8+	861	516	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26091	9-3-1.1	С	JOELENE M MANN	CHEVRON USA INC	1/8+	864	55	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26092	9-3-1.1	С	SHAWN J AND SARAH E CREWS	CHEVRON USA INC	1/8+	864	50	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26093	9-3-1.1	С	JOYCE HOLMES CONE AND WILLLIAM CONE - W/H	CHEVRON USA INC	1/8+	861	493	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26094	9-3-1.1	С	MARK L CURRY	CHEVRON USA INC	1/8+	865	102	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
									1		Exploration II LLC & TH
10*26095	9-3-1.1	С	CHRISTINA C MUNSON	CHEVRON USA INC	1/8+	865	107	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
										9	Exploration II LLC & TH
10*26097	9-3-1.1	С	DAVID L BEYSER	CHEVRON USA INC	1/8+	865	173	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26098	9-3-1.1	С	KIMBERLY J HOLDER	CHEVRON USA INC	1/8+	867	87	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26099	9-3-1.1	С	CAROL TROWBRIDGE ET VIR	CHEVRON USA INC	1/8+	866	138	N/A	N/A	N/A	Exploration LLC: 43/95

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Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed B	ook/Page	Assignment	Assignment	Assignment	Assignment
			212.					WV Department Environmental Prote	of		Chevron USA Inc to TH
								Environmental Prote	ction		Exploration II LLC & TH
10*26100	9-3-1.1	С	JOSEPH L AND ROSE MARIE MAUPIN	CHEVRON USA INC	1/8+	866	67	N/A	N/A	N/A	Exploration LLC: 43/95
	,										Chevron USA Inc to TH
											Exploration II LLC & TH
10*26120	9-3-1.1	С	JAMES D AND LINDA D YOCUM	CHEVRON USA INC	1/8+	884	635	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26121	9-3-1.1	С	BETTY BRYNER	CHEVRON USA INC	1/8+	871	64	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26236	9-3-1.1	С	GERALD W QUIGLEY AND VICKI L QUIGLEY	CHEVRON USA INC	1/8+	884	50	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26237	9-3-1.1	С	FREDA L CAMPBELL	CHEVRON USA INC	1/8+	889	40	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26238	9-3-1.1	С	MARSHA L MERCER	CHEVRON USA INC	1/8+	883	639	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26287	9-3-1.1	С	IVAN R AND MARY A BLAKE	CHEVRON USA INC	1/8+	888	542	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26288	9-3-1.1	С	REBECCA J BLAKE	CHEVRON USA INC	1/8+	888	571	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26289	9-3-1.1	С	DUANETTA B BLAKE FROMHART	CHEVRON USA INC	1/8+	888	574	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26291	9-3-1.1	С	BARBARA A BLAKE MASON	CHEVRON USA INC	1/8+	901	125	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26292	9-3-1.1	С	JUDITH L BLAKE	CHEVRON USA INC	1/8+	882	329	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26293	9-3-1.1	С	JAY C CURRY	CHEVRON USA INC	1/8+	882	433	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
				1							Exploration II LLC & TH
10*26294	9-3-1.1	С	JOAN A GIEGER	CHEVRON USA INC	1/8+	880	509	N/A	N/A	N/A	Exploration LLC: 43/95
									-		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26295	9-3-1.1	С	ARTHUR LEE WARYCK	CHEVRON USA INC	1/8+	880	512	N/A	N/A	N/A	Exploration LLC: 43/95

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Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment	Assignment	Assignment
			A/2					Assignment WV Dep Environmen	artment of tal Protection		Chevron USA Inc to TH
				,					I .		Exploration II LLC & TH
10*26296	9-3-1.1	С	CARL G CALDWELL	CHEVRON USA INC	1/8+	883	530	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
-											Exploration II LLC & TH
10*26297	9-3-1.1	С	DIANA L MCKINNEY	CHEVRON USA INC	1/8+	885	560	N/A	N/A	N/A	Exploration LLC: 43/95
				350							Chevron USA Inc to TH
			×								Exploration II LLC & TH
10*26298	9-3-1.1	С	JANE HENDRICKSON	CHEVRON USA INC	1/8+	886	429	N/A	N/A	N/A	Exploration LLC: 43/95
									_		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26299	9-3-1.1	С	BETTY WILKINSON DANIEL A MCVANE AIF	CHEVRON USA INC	1/8+	886	432	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26300	9-3-1.1	С	JILL LORI HENNEN BARNETT	CHEVRON USA INC	1/8+	886	439	N/A	N/A	N/A	Exploration LLC: 43/95
10*26711	9-3-1.1	С	CNX GAS COMPANY LLC	TH EXPLORATION LLC	1/8+	1039	1	N/A	N/A	N/A	N/A
10*27180	9-3-1.1	С	TAMALA SCOLLICK	TH EXPLORATION LLC	1/8+	1053	1	N/A	N/A	N/A	N/A
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26065	9-3-1.1	С	DENNIS F MOORE JOLENE A MOORE	CHEVRON USA INC	1/8+	857	646	N/A	N/A	N/A	Exploration LLC: 43/95
10*27181	9-3-1.1	С	CRYSTAL THOMAS	TH EXPLORATION LLC	1/8+	1052	648	N/A	N/A	N/A	N/A
10*27703	9-3-1.1	С	DOROTHY MAXINNE MOORE TRUST	TH EXPLORATION LLC	1/8+	1061	255	N/A	N/A	N/A	N/A
										TriEnergy Holdings LLC &	Chevron USA Inc to TH
								TriEnergy Holdings LLC to	NPAR LLC to Chevron USA Inc:	TriEnergy Inc to Chevron USA	Exploration II LLC & TH
10*26018	9-3-1.3	D	NANCY L WEST	TRIENERGY HOLDINGS, LLC	1/8+	737	248	NPAR LLC: 25/449	756/332	Inc: 28356	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26044	9-3-1.3	D	JOYCE A WALLACE	CHEVRON USA INC	1/8+	863	296	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26047	9-3-1.3	D	ROBERT D BLAKE AND ATHENA LIBERTY BLAKE	CHEVRON USA INC	1/8+	863	138	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26048	9-3-1.3	D	LOIS J ELIAS AND LOUIS J ELIAS	CHEVRON USA INC	1/8+	861	599	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26049	9-3-1.3	D	MARY H HUBBS	CHEVRON USA INC	1/8+	863	560	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26050	9-3-1.3	D	BERNARD O CROW AND KAREN S CROW	CHEVRON USA INC	1/8+	863	627	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26051	9-3-1.3	D	ROBERT W KIDNER	CHEVRON USA INC	1/8+	863	644	N/A	N/A	N/A	Exploration LLC: 43/95

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											Chevron USA Inc to TH
								WV Departm	ent of		Exploration II LLC & TH
10*26052	9-3-1.3	D	BETTY J BLAKE	CHEVRON USA INC	1/8+	863	545	WV Departm Environmental P N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26053	9-3-1.3	D	ANTHONY T MOORE	CHEVRON USA INC	1/8+	854	343	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26054	9-3-1.3	D	HIRAM VERNON MOORE	CHEVRON USA INC	1/8+	854	353	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
12											Exploration II LLC & TH
10*26055	9-3-1.3	D	LARRY W MOORE SR	CHEVRON USA INC	1/8+	854	348	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26056	9-3-1.3	D	RONALD W MOORE	CHEVRON USA INC	1/8+	854	338	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26057	9-3-1.3	D	JOHN PURDY AND BRENDA S PURDY	CHEVRON USA INC	1/8+	854	420	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26058	9-3-1.3	D	CAROLE J WOOD	CHEVRON USA INC	1/8+	854	415	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26059	9-3-1.3	D	TERRY L BLAKE	CHEVRON USA INC	1/8+	854	215	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26060	9-3-1.3	D	ROBERT C BLAKE AND LYN BLAKE	CHEVRON USA INC	1/8+	854	333	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26061	9-3-1.3	D	RODNEY W AND LINDA L HUBBS	CHEVRON USA INC	1/8+	854	435	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26062	9-3-1.3	D	SHANNON ROGER AND LORRAINE HUBBS	CHEVRON USA INC	1/8+	854	233	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26063	9-3-1.3	D	PATTY L RINE AND FLOYD D RINE	CHEVRON USA INC	1/8+	854	238	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26064	9-3-1.3	D	CATHARINE LEE BLAKE	CHEVRON USA INC	1/8+	863	550	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
				,							Exploration II LLC & TH
10*26066	9-3-1.3	D	DANNY E AND MARVA L BEYSER	CHEVRON USA INC	1/8+	858	36	N/A	N/A	N/A	Exploration LLC: 43/95

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								Assignment Assignment	2020		
Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed B	ook/Page	Assignment	Assignment	Assignment	Assignment
								WV Depar	tment of		Chevron USA Inc to TH
								WV Depar Environmenta	Protection		Exploration II LLC & TH
10*26067	9-3-1.3	D	DONALD DEAN BEYSER	CHEVRON USA INC	1/8+	858	41	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
4											Exploration II LLC & TH
10*26068	9-3-1.3	D	GARY F BLAKE AND DORIS E BLAKE	CHEVRON USA INC	1/8+	858	31	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26069	9-3-1.3	D	MARILYN SUE REILLEY	CHEVRON USA INC	1/8+	857	597	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26070	9-3-1.3	D	MARY W HOLMES	CHEVRON USA INC	1/8+	857	602	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26071	9-3-1.3	D	CHARLENE LORRAINE BAKER	CHEVRON USA INC	1/8+	857	607	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
× .											Exploration II LLC & TH
10*26072	9-3-1.3	D	JAMES L BLAKE	CHEVRON USA INC	1/8+	857	616	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26073	9-3-1.3	D	DARLENE L BEYSER	CHEVRON USA INC	1/8+	860	176	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26074	9-3-1.3	D	RANDYLYN MOORE AKA RANDY MOORE	CHEVRON USA INC	1/8+	860	166	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26075	9-3-1.3	D	BETTY JOANN CECIL	CHEVRON USA INC	1/8+	860	119	N/A	N/A	N/A	Exploration LLC: 43/95
			-							5	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26076	9-3-1.3	D	DORIS IMOGENE GARRISON	CHEVRON USA INC	1/8+	860	114	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26077	9-3-1.3	D	DOROTHY J AND ROBERT M BLAKE	CHEVRON USA INC	1/8+	860	104	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26078	9-3-1.3	D	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	860	228	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26079	9-3-1.3	D	MARY O'DESSA HARRIS LOUDEN	CHEVRON USA INC	1/8+	860	109	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
			SHARON DIANE HOLMES JAHN AND WILLILAM HENRY								Exploration II LLC & TH
10*26080	9-3-1.3	D	JAHN III - W/H	CHEVRON USA INC	1/8+	860	217	N/A	N/A	N/A	Exploration LLC: 43/95

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Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed B	ook/Page	Assignment MAD 1	9 2020 Assignment	Assignment	Assignment
								UIAN J	- 2 2020 -		Chevron USA Inc to TH
1								W/ Den	artment of		Exploration II LLC & TH
10*26081	9-3-1.3	D	CYNTHIA JEAN AND EDDIE W WILSON	CHEVRON USA INC	1/8+	861	545	N/A Environmen	artment of ital Protection/A	N/A	Exploration LLC: 43/95
	\										Chevron USA Inc to TH
)										Exploration II LLC & TH
10*26082	9-3-1.3	D	BRIAN C AND SARA M LUTZ	CHEVRON USA INC	1/8+	861	550	N/A	N/A	N/A	Exploration LLC: 43/95
								·			Chevron USA Inc to TH
											Exploration II LLC & TH
10*26083	9-3-1.3	D	WILLIAM S BLAKE JR	CHEVRON USA INC	1/8+	861	535	N/A	N/A	N/A	Exploration LLC: 43/95
									·		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26084	9-3-1.3	D	CYNTHIA A AND JAMES O DAVIDSON	CHEVRON USA INC	1/8+	889	46	N/A	N/A	N/A	Exploration LLC: 43/95
									·		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26085	9-3-1.3	D	CLYDE R AND JANA HIGGINS	CHEVRON USA INC	1/8+	861	508	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26086	9-3-1.3	D	DELMAS W AND ROSE HIGGINS	CHEVRON USA INC	1/8+	861	503	N/A	N/A	N/A	Exploration LLC: 43/95
										vi vi	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26087	9-3-1.3	D	JERRY L AND DENISE HIGGINS	CHEVRON USA INC	1/8+	861	526	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26088	9-3-1.3	D	SHIRL W AND DORIS HIGGINS	CHEVRON USA INC	1/8+	861	540	N/A	N/A	N/A	Exploration LLC: 43/95
		P - 1955 - 45 P									Chevron USA Inc to TH
											Exploration II LLC & TH
10*26089	9-3-1.3	D	ALVA L AND SHIRLEY HIGGINS	CHEVRON USA INC	1/8+	861	521	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26090	9-3-1.3	D	H DEAN AND KAREN HIGGINS	CHEVRON USA INC	1/8+	861	516	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26091	9-3-1.3	D	JOELENE M MANN	CHEVRON USA INC	1/8+	864	55	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26092	9-3-1.3	D	SHAWN J AND SARAH E CREWS	CHEVRON USA INC	1/8+	864	50	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26093	9-3-1.3	D	JOYCE HOLMES CONE AND WILLLIAM CONE - W/H	CHEVRON USA INC	1/8+	861	493	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
										*	Exploration II LLC & TH
10*26094	9-3-1.3	D	MARK L CURRY	CHEVRON USA INC	1/8+	865	102	N/A	N/A	N/A	Exploration LLC: 43/95

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Lease JD	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment	Assignment	Assignment
								WV Depart	ment of		Chevron USA Inc to TH
	**							WV Depart Environmental	Protection		Exploration II LLC & TH
10*26095	9-3-1.3	D	CHRISTINA C MUNSON	CHEVRON USA INC	1/8+	865	107	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
									-		Exploration II LLC & TH
10*26097	9-3-1.3	D	DAVID L BEYSER	CHEVRON USA INC	1/8+	865	173	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26098	9-3-1.3	D	KIMBERLY J HOLDER	CHEVRON USA INC	1/8+	867	87	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26099	9-3-1.3	D	CAROL TROWBRIDGE ET VIR	CHEVRON USA INC	1/8+	866	138	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26100	9-3-1.3	D	JOSEPH L AND ROSE MARIE MAUPIN	CHEVRON USA INC	1/8+	866	67	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26120	9-3-1.3	D	JAMES D AND LINDA D YOCUM	CHEVRON USA INC	1/8+	884	635	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26121	9-3-1.3	D	BETTY BRYNER	CHEVRON USA INC	1/8+	871	64	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
¥.											Exploration II LLC & TH
10*26236	9-3-1.3	D	GERALD W QUIGLEY AND VICKI L QUIGLEY	CHEVRON USA INC	1/8+	884	50	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26237	9-3-1.3	D	FREDA L CAMPBELL	CHEVRON USA INC	1/8+	889	40	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26238	9-3-1.3	D	MARSHA L MERCER	CHEVRON USA INC	1/8+	883	639	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26287	9-3-1.3	D	IVAN R AND MARY A BLAKE	CHEVRON USA INC	1/8+	888	542	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26288	9-3-1.3	D	REBECCA J BLAKE	CHEVRON USA INC	1/8+	888	571	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26289	9-3-1.3	D	DUANETTA B BLAKE FROMHART	CHEVRON USA INC	1/8+	888	574	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26291	9-3-1.3	D	BARBARA A BLAKE MASON	CHEVRON USA INC	1/8+	901	125	N/A	N/A	N/A	Exploration LLC: 43/95

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											Chevron USA Inc to TH
								WV Depa	artment of		Exploration II LLC & TH
10*26292	9-3-1.3	D	JUDITH L BLAKE	CHEVRON USA INC	1/8+	882	329	N/A Environmen	artment of tal Protection _{N/A}	N/A	Exploration LLC: 43/95
								·			Chevron USA Inc to TH
											Exploration II LLC & TH
10*26293	9-3-1.3	D	JAY C CURRY	CHEVRON USA INC	1/8+	882	433	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26294	9-3-1.3	D	JOAN A GIEGER	CHEVRON USA INC	1/8+	880	509	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26295	9-3-1.3	D	ARTHUR LEE WARYCK	CHEVRON USA INC	1/8+	880	512	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26296	9-3-1.3	D	CARL G CALDWELL	CHEVRON USA INC	1/8+	883	530	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26297	9-3-1.3	D	DIANA L MCKINNEY	CHEVRON USA INC	1/8+	885	560	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26298	9-3-1.3	D	JANE HENDRICKSON	CHEVRON USA INC	1/8+	886	429	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26299	9-3-1.3	D	BETTY WILKINSON DANIEL A MCVANE AIF	CHEVRON USA INC	1/8+	886	432	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26300	9-3-1.3	D	JILL LORI HENNEN BARNETT	CHEVRON USA INC	1/8+	886	439	N/A	N/A	N/A	Exploration LLC: 43/95
10*27180	9-3-1.3	D	TAMALA SCOLLICK	TH EXPLORATION LLC	1/8+	1053	1	N/A	N/A	N/A	N/A
10*27181	9-3-1.3	D	CRYSTAL THOMAS	TH EXPLORATION LLC	1/8+	1052	648	N/A	N/A	N/A	N/A
											Chevron USA Inc to TH
ν.										5	Exploration II LLC & TH
10*26065	9-3-1.3	D	DENNIS F MOORE JOLENE A MOORE	CHEVRON USA INC	1/8+	857	646	N/A	N/A	N/A	Exploration LLC: 43/95
10*27703	9-3-1.3	D	DOROTHY MAXINNE MOORE TRUST	TH EXPLORATION LLC	1/8+	1061	255	N/A	N/A	N/A	N/A
10*47051.109.0	9-8-4.2	E	DONALD M AND THERESA L HARRIS	TH EXPLORATION LLC	1/8+	859	440	N/A	N/A	N/A	N/A
			WEST VIRGINIA DEPARTMENT OF TRANSPORTATION								
10*28092	9-8-4.2	E	DIVISION OF HIGHWAY	TH EXPLORATION LLC	1/8+	1073	370	N/A	N/A	N/A	N/A
10*47051.109.0	9-8-4	F	DONALD M AND THERESA L HARRIS	TH EXPLORATION LLC	1/8+	859	440	N/A	N/A	N/A	N/A
			WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	energy and a second of the second							
10*28092	9-8-4	F	DIVISION OF HIGHWAY	TH EXPLORATION LLC	1/8+	1073	370	N/A	N/A	N/A	N/A
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26113	9-8-3	G	ELDWIN OTIS RINE AND MARY L RINE	CHEVRON USA INC	1/8+	880	434	N/A	N/A	N/A	Exploration LLC: 43/95

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							WV Departm Environmental F	ent of		Chevron USA Inc to TH
					2007 79			I .		Exploration II LLC & TH
9-8-3	G	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	873	574	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	JOYCE L LAMB	CHEVRON USA INC	1/8+	880	437	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	LAURA R BARKER	CHEVRON USA INC	1/8+	873	584	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
								×		Exploration II LLC & TH
9-8-3	G	PATTY D JEFFERSON	CHEVRON USA INC	1/8+	874	41	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	DEBORAH A COLLINS	CHEVRON USA INC	1/8+	874	27	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	WILLIAM C WEST	CHEVRON USA INC	1/8+	880	431	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	LEANNE E BURKHART	CHEVRON USA INC	1/8+	873	602	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	LISA MAY WINGROVE	CHEVRON USA INC	1/8+	880	422	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	JENNIFER L WALKER	CHEVRON USA INC	1/8+	874	36	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	MELISSA NADINE KNIGHT	CHEVRON USA INC	1/8+	873	590	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	NELDA RUTH MOORE	CHEVRON USA INC	1/8+	873	593	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	DEANNE E ANDERSON	CHEVRON USA INC	1/8+	874	30	N/A	N/A	N/A	Exploration LLC: 43/95
										Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	JANICE M BURKHART	CHEVRON USA INC	1/8+	873	599	N/A	N/A	N/A	Exploration LLC: 43/95
							waxaa ahaa ahaa ahaa ahaa ahaa ahaa ahaa		İ	Chevron USA Inc to TH
										Exploration II LLC & TH
9-8-3	G	CAROL LYNN KELCH	CHEVRON USA INC	1/8+	880	425	N/A	N/A	N/A	Exploration LLC: 43/95
	9-8-3 9-8-3 9-8-3 9-8-3 9-8-3 9-8-3 9-8-3	9-8-3 G 9-8-3 G 9-8-3 G 9-8-3 G 9-8-3 G 9-8-3 G 9-8-3 G 9-8-3 G 9-8-3 G	G JOYCE L LAMB D-8-3 G LAURA R BARKER D-8-3 G PATTY D JEFFERSON D-8-3 G DEBORAH A COLLINS D-8-3 G WILLIAM C WEST D-8-3 G LEANNE E BURKHART D-8-3 G LISA MAY WINGROVE D-8-3 G MELISSA NADINE KNIGHT D-8-3 G NELDA RUTH MOORE D-8-3 G DEANNE E ANDERSON D-8-3 G DEANNE E ANDERSON D-8-3 G JANICE M BURKHART	G JOYCE LIAMB CHEVRON USA INC Deboral A Collins Chevron USA INC Deboral A Collins Chevron USA INC Deboral A Collins Chevron USA INC Deboral A Collins Chevron USA INC Deboral A Collins Chevron USA INC Deboral A Collins Chevron USA INC Deboral A Collins Chevron USA INC Deboral A Collins Chevron USA INC Deboral G Leanne E Burkhart Chevron USA INC Deboral G Lisa May Wingrove Chevron USA INC Deboral G Lisa May Wingrove Chevron USA INC Deboral G Melissa Nadine Knight Chevron USA INC Deboral G Melissa Nadine Knight Chevron USA INC Deboral G Melissa Nadine Knight Chevron USA INC Deboral G Nelda Ruth Moore Chevron USA INC Deboral G Nelda Ruth Moore Chevron USA INC Deboral G Deanne E Anderson Chevron USA INC Deboral G Deboral A Collins Chevron USA INC Chevron USA INC Deboral G Deboral A Collins Chevron USA INC	G JOYCE LIAMB CHEVRON USA INC 1/8+ 9-8-3 G LAURA R BARKER CHEVRON USA INC 1/8+ 9-8-3 G PATTY D JEFFERSON CHEVRON USA INC 1/8+ 9-8-3 G DEBORAH A COLLINS CHEVRON USA INC 1/8+ 9-8-3 G WILLIAM C WEST CHEVRON USA INC 1/8+ 9-8-3 G LEANNE E BURKHART CHEVRON USA INC 1/8+ 9-8-3 G LISA MAY WINGROVE CHEVRON USA INC 1/8+ 9-8-3 G JENNIFER L WALKER CHEVRON USA INC 1/8+ 9-8-3 G MELISSA NADINE KNIGHT CHEVRON USA INC 1/8+ 9-8-3 G NELDA RUTH MOORE CHEVRON USA INC 1/8+ 9-8-3 G NELDA RUTH MOORE CHEVRON USA INC 1/8+ 9-8-3 G DEANNE E ANDERSON CHEVRON USA INC 1/8+	Description	9-8-3 G LAURA R BARKER CHEVRON USA INC 1/8+ 873 584 9-8-3 G LAURA R BARKER CHEVRON USA INC 1/8+ 874 41 9-8-3 G PATTY D JEFFERSON CHEVRON USA INC 1/8+ 874 41 9-8-3 G DEBORAH A COLLINS CHEVRON USA INC 1/8+ 874 27 9-8-3 G WILLIAM C WEST CHEVRON USA INC 1/8+ 880 431 9-8-3 G LEANNE E BURKHART CHEVRON USA INC 1/8+ 873 602 9-8-3 G LISA MAY WINGROVE CHEVRON USA INC 1/8+ 880 422 9-8-3 G JENNIFER L WALKER CHEVRON USA INC 1/8+ 874 36 9-8-3 G MELISSA NADINE KNIGHT CHEVRON USA INC 1/8+ 873 590 9-8-3 G NELDA RUTH MOORE CHEVRON USA INC 1/8+ 873 593 9-8-3 G DEANNE E ANDERSON CHEVRON USA INC 1/8+ 873 599 9-8-3 G DEANNE E ANDERSON CHEVRON USA INC 1/8+ 873 599	9.8-3 G LAURA R BARKER CHEVRON USA INC 1/8+ 880 437 N/A 9.8-3 G LAURA R BARKER CHEVRON USA INC 1/8+ 873 584 N/A 9.8-3 G PATTY D JEFFERSON CHEVRON USA INC 1/8+ 874 41 N/A 9.8-3 G DEBORAH A COLLINS CHEVRON USA INC 1/8+ 874 27 N/A 9.8-3 G WILLIAM C WEST CHEVRON USA INC 1/8+ 880 431 N/A 9.8-3 G LEANNE E BURKHART CHEVRON USA INC 1/8+ 873 602 N/A 9.8-3 G LISA MAY WINGROVE CHEVRON USA INC 1/8+ 880 422 N/A 9.8-3 G JENNIFER LWALKER CHEVRON USA INC 1/8+ 873 590 N/A 9.8-3 G MELISA NADINE KNIGHT CHEVRON USA INC 1/8+ 873 590 N/A 9.8-3 G NELDA RUTH MOORE CHEVRON USA INC 1/8+ 873 593 N/A 9.8-3 G NELDA RUTH MOORE CHEVRON USA INC 1/8+ 873 593 N/A 9.8-3 G DEANNE E ANDERSON CHEVRON USA INC 1/8+ 874 30 N/A	0.8-3 G JANKER BARKER CHEVRON USA INC 1/8+ 873 584 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	9-8-3 G LAURA R BARKER CHEVRON USA INC 1/8+ 880 437 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A

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							1	WV Depar	tment of Il Protection N/A		Chevron USA Inc to TH
								Environment	Protection		Exploration II LLC & TH
10*26176	9-8-3	G	LINDA L AGUILAR	CHEVRON USA INC	1/8+	874	33	N/A	N/A	N/A	Exploration LLC: 43/95
	1										Chevron USA Inc to TH
											Exploration II LLC & TH
10*26177	9-8-3	G	OTIS R BURKHART JR	CHEVRON USA INC	1/8+	873	587	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26178	9-8-3	G	MELBA L BELL	CHEVRON USA INC	1/8+	873	577	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
			HILLVIEW TERRACE CHURCH OF CHRIST D/B/A WEST							and Mari	Exploration II LLC & TH
10*26179	9-8-3	G	VIRGINIA SCHOOL OF PREACHING	CHEVRON USA INC	1/8+	873	580	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
				socionele seus mestra la tras la important							Exploration II LLC & TH
10*26196	9-8-3	G	CHRISTINA ROSE BUTLER	CHEVRON USA INC	1/8+	876	298	N/A	N/A	N/A	Exploration LLC: 43/95
								1			Chevron USA Inc to TH
											Exploration II LLC & TH
10*26197	9-8-3	G	RONALD DEAN BURKHART	CHEVRON USA INC	1/8+	876	301	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
							- 1	1			Exploration II LLC & TH
10*26198	9-8-3	G	SALEM CHURCH OF CHRIST OF GLEN EASTON WV	CHEVRON USA INC	1/8+	876	304	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26199	9-8-3	G	DANIEL M RINE	CHEVRON USA INC	1/8+	880	457	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26200	9-8-3	G	DEBRA A CLARK	CHEVRON USA INC	1/8+	880	454	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26242	9-8-3	G	TRACI LYNN GOODNIGHT	CHEVRON USA INC	1/8+	882	173	N/A	N/A	N/A	Exploration LLC: 43/95
		1									Chevron USA Inc to TH
											Exploration II LLC & TH
10*26243	9-8-3	G	MARLA JEAN TRUEX	CHEVRON USA INC	1/8+	882	164	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26244	9-8-3	G	BRENDA KAY LAVENSKI	CHEVRON USA INC	1/8+	882	167	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
1											Exploration II LLC & TH
10*26245	9-8-3	G	TERESA ANN HARTLE	CHEVRON USA INC	1/8+	882	326	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26246	9-8-3	G	LISA MARIE WILLIAMS	CHEVRON USA INC	1/8+	882	170	N/A	N/A	N/A	Exploration LLC: 43/95

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									2020		Chevron USA Inc to TH
								WV Departm	ent of		Exploration II LLC & TH
10*26247	9-8-3	G	CYNTHIA L BOUGHER	CHEVRON USA INC	1/8+	884	27	WV Departm Nyvironmental F	rotection N/A	N/A	Exploration LLC: 43/95
10*23739	9-8-5	Н	APPALACHIAN BASIN MINERALS LP	TH EXPLORATION LLC	1/8+	1011	538	N/A	N/A	N/A	N/A
10*23740	9-8-5	Н	PENNMARC RESOURCES II LP	TH EXPLORATION LLC	1/8+	1011	532	N/A	N/A	N/A	N/A
10*23741	9-8-5	Н	MCCROW ENERGY PARTNERS II LLC	TH EXPLORATION LLC	1/8+	1011	515	N/A	N/A	N/A	N/A
10*23742	9-8-5	Н	PURPLEBURGH VENTURES, LLC	TH EXPLORATION LLC	1/8+	1011	536	N/A	N/A	N/A	N/A
10*23743	9-8-5	Н	WILDES MINERAL INTERESTS LLC	TH EXPLORATION LLC	1/8+	1011	534	N/A	N/A	N/A	N/A
10*23749	9-8-5	Н	MARCELLUS TX MINERAL PRTNR LTD	TH EXPLORATION LLC	1/8+	1012	193	N/A	N/A	N/A	N/A
10*22760	9-8-4.1	I	DONALD M AND THERESA L HARRIS	TH EXPLORATION LLC	1/8+	968	294	N/A	N/A	N/A	N/A
10*28092	9-8-4.1	I	WV DEPT OF TRANSPORTATION, DIVISION OF HWY	TH EXPLORATION LLC	1/8+	1073	370	N/A	N/A	N/A	N/A
10*22745	9-8-11	J	BONNIE J JENKINS	TH EXPLORATION LLC	1/8+	968	288	N/A	N/A	N/A	N/A
10*23314	9-8-11	J	CYNTHIA WATSON	TH EXPLORATION LLC	1/8+	988	499	N/A	N/A	N/A	N/A
10*23353	9-8-11	J	SHARON E MCDONALD AND HAROLD S MCDONALD	TH EXPLORATION LLC	1/8+	988	495	N/A	N/A	N/A	N/A
10*25718	9-8-11	J	KATHLEEN JEANNE B JENKINS	TH EXPLORATION LLC	1/8+	1035	13	N/A	N/A	N/A	N/A
10*25719	9-8-11	J	NICHOLE M JENKINS	TH EXPLORATION LLC	1/8+	1035	17	N/A	N/A	N/A	N/A
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26025	9-8-11	J	DAVID D MURRAY	CHEVRON USA INC	1/8+	791	45	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26026	9-8-11	J	JUDITH ELLEN DOTY	CHEVRON USA INC	1/8+	787	249	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26027	9-8-11	J	DANIEL W CHAPMAN	CHEVRON USA INC	1/8+	788	111	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26028	9-8-11	J	DAVID W CHAPMAN	CHEVRON USA INC	1/8+	788	104	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26029	9-8-11	J	GREGORY L CHAPMAN	CHEVRON USA INC	1/8+	788	96	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26030	9-8-11	J	DONALD CARMICHAEL	CHEVRON USA INC	1/8+	787	471	N/A	N/A	N/A	Exploration LLC: 43/95
			,								Chevron USA Inc to TH
											Exploration II LLC & TH
10*26031	9-8-11	J	SARAH LEONA MCGLONE	CHEVRON USA INC	1/8+	787	478	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26032	9-8-11	J	MARGARET ANN JONES	CHEVRON USA INC	1/8+	787	364	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26033	9-8-11	J	LINDA S COLEMAN	CHEVRON USA INC	1/8+	791	143	N/A	N/A	N/A	Exploration LLC: 43/95



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								Assignment WV Departm Environmental F	ent of		Chevron USA Inc to TH
								l l	rotection		Exploration II LLC & TH
10*26034	9-8-11	J	LUANN N HIMMELFARB	CHEVRON USA INC	1/8+	791	205	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26035	9-8-11	J	PATRICK P TRUEX	CHEVRON USA INC	1/8+	791	219	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26038	9-8-11	J	DOUGLAS A WAYSON	CHEVRON USA INC	1/8+	811	440	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26039	9-8-11	J	DAWNETTA M WAYSON	CHEVRON USA INC	1/8+	807	420	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26040	9-8-11	J	ROBERT BRANDT WAYSON	CHEVRON USA INC	1/8+	808	524	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26042	9-8-11	J	SHARON ANN PETERSON	CHEVRON USA INC	1/8+	838	396	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*26043	9-8-11	J	GREGORY A CHAPMAN	CHEVRON USA INC	1/8+	834	354	N/A	N/A	N/A	Exploration LLC: 43/95
								·		·	Chevron USA Inc to TH
											Exploration II LLC & TH
10*26204	9-8-11	J	COLE DALE GRIMM	CHEVRON USA INC	1/8+	889	244	N/A	N/A	N/A	Exploration LLC: 43/95
10*26494	9-8-11	J	JOHN P JENKINS	TH EXPLORATION LLC	1/8+	1037	434	N/A	N/A	N/A	N/A
											Chevron USA Inc to TH
											Exploration II LLC & TH
10*27524	9-8-11	l j	KEVIN A MYSLIWIEC AND SANDY L MYSLIWIEC	CHEVRON USA INC	1/8+	784	292	N/A	N/A	N/A	Exploration LLC: 43/95
								· ·			Chevron USA Inc to TH
											Exploration II LLC & TH
10*27527	9-8-11	l j	PETER J & JUDY B MYSLIWIEC	CHEVRON USA INC	1/8+	784	285	N/A	N/A	N/A	Exploration LLC: 43/95
			THE ESTATE OF THERESA M ROGERSON CHARLES J		1						
10*21246	9-8-10	K	ROGERSON EXECUTOR	TH EXPLORATION LLC	1/8+	952	422	N/A	N/A	N/A	N/A
10*21326	9-8-10	K	DENISE L FASSETT AND RONALD L FASSETT	TH EXPLORATION LLC	1/8+	952	424	N/A	N/A	N/A	N/A
10*21331	9-8-10	К	DAVID E MYSLIWIEC	TH EXPLORATION LLC	1/8+	952	426	N/A	N/A	N/A	N/A
10*22745	9-8-10	К	BONNIE J JENKINS	TH EXPLORATION LLC	1/8+	968	288	N/A	N/A	N/A	N/A
10*22764	9-8-10	K	GARY D OLSON AND ILENE J OLSON	TH EXPLORATION LLC	1/8+	970	74	N/A	N/A	N/A	N/A
10*22765	9-8-10	K	KRIS E OLSON AND BOBBI L OLSON	TH EXPLORATION LLC	1/8+	970	72	N/A	N/A	N/A	N/A
10*22766	9-8-10	K	TOD E OLSON AND COLLEEN G OLSON	TH EXPLORATION LLC	1/8+	970	70	N/A	N/A	N/A	N/A
10*23314	9-8-10	K	CYNTHIA WATSON	TH EXPLORATION LLC	1/8+	988	499	N/A	N/A	N/A	N/A
10*23353	9-8-10	K	SHARON E MCDONALD AND HAROLD S MCDONALD	TH EXPLORATION LLC	1/8+	988	495	N/A	N/A	N/A	N/A
10*24552	9-8-10	K	KELLI S CALKINS	TH EXPLORATION LLC	1/8+	1025	415	N/A	N/A	N/A	N/A
10*25718	9-8-10	K	KATHLEEN JEANNE B JENKINS	TH EXPLORATION LLC	1/8+	1035	13	N/A	N/A	N/A	N/A
10*25719	9-8-10	K	NICHOLE M JENKINS	TH EXPLORATION LLC	1/8+	1035	17	N/A	N/A	N/A	N/A
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Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment	Assignment	Assignment			
								WV Den	artment of ital Protection		Chevron USA Inc to TH			
								Environmen	ital Protection		Exploration II LLC & TH			
10*26025	9-8-10	К	DAVID D MURRAY	CHEVRON USA INC	1/8+	791	45	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
		V-									Exploration II LLC & TH			
10*26026	9-8-10	K	JUDITH ELLEN DOTY	CHEVRON USA INC	1/8+	787	249	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26027	9-8-10	К	DANIEL W CHAPMAN	CHEVRON USA INC	1/8+	788	111	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
								-			Exploration II LLC & TH			
10*26028	9-8-10	K	DAVID W CHAPMAN	CHEVRON USA INC	1/8+	788	104	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26029	9-8-10	K	GREGORY L CHAPMAN	CHEVRON USA INC	1/8+	788	96	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26030	9-8-10	K	DONALD CARMICHAEL	CHEVRON USA INC	1/8+	787	471	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26031	9-8-10	К	SARAH LEONA MCGLONE	CHEVRON USA INC	1/8+	787	478	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26032	9-8-10	K	MARGARET ANN JONES	CHEVRON USA INC	1/8+	787	364	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26033	9-8-10	K	LINDA S COLEMAN	CHEVRON USA INC	1/8+	791	143	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26034	9-8-10	K	LUANN N HIMMELFARB	CHEVRON USA INC	1/8+	791	205	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26035	9-8-10	K	PATRICK P TRUEX	CHEVRON USA INC	1/8+	791	219	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26038	9-8-10	K	DOUGLAS A WAYSON	CHEVRON USA INC	1/8+	811	440	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26039	9-8-10	K	DAWNETTA M WAYSON	CHEVRON USA INC	1/8+	807	420	N/A	N/A	N/A	Exploration LLC: 43/95			
											Chevron USA Inc to TH			
											Exploration II LLC & TH			
10*26040	9-8-10	K	ROBERT BRANDT WAYSON	CHEVRON USA INC	1/8+	808	524	N/A	N/A	N/A	Exploration LLC: 43/95			

Operator's Well No. <u>Hudson S - 13HU</u>

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Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment	Assignment	Assignment	Assignment
								WV Depart Environmental	ment of		Chevron USA Inc to TH
											Exploration II LLC & TH
10*26042	9-8-10	K	SHARON ANN PETERSON	CHEVRON USA INC	1/8+	838	396	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
										100.4	Exploration II LLC & TH
10*26043	9-8-10	K	GREGORY A CHAPMAN	CHEVRON USA INC	1/8+	834	354	N/A	N/A	N/A	Exploration LLC: 43/95
											Chevron USA Inc to TH
								,			Exploration II LLC & TH
10*26204	9-8-10	K	COLE DALE GRIMM	CHEVRON USA INC	1/8+	889	244	, N/A	N/A	N/A	Exploration LLC: 43/95
10*26494	9-8-10	К	JOHN P JENKINS	TH EXPLORATION LLC	1/8+	1037	434	N/A	N/A	N/A	N/A
10*27140	9-8-10	K	ROGER C PATTAN AND TARA I PATTAN	TH EXPLORATION LLC	1/8+	1052	498	N/A	N/A	N/A	N/A
											Chevron USA Inc to TH
10*27466	9-8-10	K	TANICE J SCHNIER	CHEVRON USA INC	1/8+	898	273	N/A	N/A	N/A	Exploration LLC: 44/357
											Chevron USA Inc to TH
10*27467	9-8-10	K	ROBIN K JASA	CHEVRON USA INC	1/8+	899	502	N/A	N/A	N/A	Exploration LLC: 44/357
											Chevron USA Inc to TH
10*27468	9-8-10	K	PETER J & JUDY B MYSLIWIEC	CHEVRON USA INC	1/8+	882	200	N/A	N/A	N/A	Exploration LLC: 44/357
											Chevron USA Inc to TH
10*27469	9-8-10	K	KEVIN A MYSLIWIEC AND SANDY L MYSLIWIEC	CHEVRON USA INC	1/8+	882	197	N/A	N/A	N/A	Exploration LLC: 44/357
									_		Chevron USA Inc to TH
10*27470	9-8-10	K	HARLAN OLSON AND LYNNETTE OLSON	CHEVRON USA INC	1/8+	899	244	N/A	N/A	N/A	Exploration LLC: 44/357
							22.40	2			Chevron USA Inc to TH
10*27471	9-8-10	K	KENNETH IREY	CHEVRON USA INC	1/8+	904	341	N/A	N/A	N/A	Exploration LLC: 44/357
											Chevron USA Inc to TH
10*27472	9-8-10	K	KAREN K KRUSE	CHEVRON USA INC	1/8+	899	258	N/A	N/A	N/A	Exploration LLC: 44/357
											Chevron USA Inc to TH
10*27473	9-8-10	K	JOYCE A NELSEN	CHEVRON USA INC	1/8+	902	538	N/A	N/A	N/A	Exploration LLC: 44/357
											Chevron USA Inc to TH
10*27474	9-8-10	K	DANNY OLSON	CHEVRON USA INC	1/8+	902	535	N/A	N/A	N/A	Exploration LLC: 44/357
										20.40	Chevron USA Inc to TH
10*27475	9-8-10	K	ALAN S PALLAS	CHEVRON USA INC	1/8+	898	470	N/A	N/A	N/A	Exploration LLC: 44/357
											Chevron USA Inc to TH
10*27515	9-8-10	K	WILLIAM L MCKINLEY	CHEVRON USA INC	1/8+	899	517	N/A	N/A	N/A	Exploration LLC: 44/357
			THE UNKNOWN HEIRS OF WILLIAM CLIFFORD OLSON ET								
10*27755	9-8-10	K	AL*	TH EXPLORATION LLC	1/8+	1060	468	N/A	N/A	N/A	N/A
10*28301	9-8-10	K	NADINE I STEVENSON	TH EXPLORATION LLC	1/8+	1067	374	N/A	N/A	N/A	N/A
N/A	9-9-4	L	MARY LOU RUBINI FKA MARY LOU MILLER	CHEVRON USA INC	1/8+	793	287		**FORCE P		
N/A	9-9-4	L	ERIC KATZMEYER	CHEVRON USA INC	1/8+	791	226		**FORCE P		
N/A	9-9-4	L	DAVID KATZMEYER AND SHIRLEY A KATZMEYER, H/W	CHEVRON USA INC	1/8+	792	226		**FORCE P		
10*19987	9-9-16	М	LESLEY D BALLA	TH EXPLORATION LLC	1/8+	955	103	N/A	N/A	N/A	N/A
10*19993	9-9-16	М	DIANA D COSLICK	TH EXPLORATION LLC	1/8+	955	105	N/A	N/A	N/A	N/A
10*19994	9-9-16	М	ELAINE A FONTES	TH EXPLORATION LLC	1/8+	960	36	N/A	N/A	N/A	N/A
10*21117	9-9-16	M	JOELLYN JOHNSON	TH EXPLORATION LLC	1/8+	952	392	N/A	N/A	N/A	N/A
10*21322	9-9-16	М	PHILLIP H WAYT AND BILLIE A WAYT	TH EXPLORATION LLC	1/8+	953	293	N/A	N/A	N/A	N/A

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Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Bo	ook/Page	Assignment MAR 1	9 2020 Assignment	Assignment	Assignment
										N/A	Blue Roan Resources, LLC to TH Exploration, LLC:
10*22199	9-9-16	М	DONALD BROOKS WESLEY	BLUE ROAN RESOURCES LLC	1/8+	926	424	N/A WV Depa Environment	l Protection		41/405
											Blue Roan Resources, LLC
								N/A	N/A	N/A	to TH Exploration, LLC:
10*22201	9-9-16	М	FREDERICK MAXWELL YEATER	BLUE ROAN RESOURCES LLC	1/8+	926	422				41/405
										100	Blue Roan Resources, LLC
								N/A	N/A	N/A	to TH Exploration, LLC:
10*22202	9-9-16	М	MARK DAVID HUNT	BLUE ROAN RESOURCES LLC	1/8+	935	109				41/405
											Blue Roan Resources, LLC
								N/A	N/A	N/A	to TH Exploration, LLC:
10*22203	9-9-16	М	MELISSA ELAINE SCHROTH	BLUE ROAN RESOURCES LLC	1/8+	934	471				41/405
10*22526	9-9-16	М	BARBARA FURFARI	TH EXPLORATION LLC	1/8+	964	528	N/A	N/A	N/A	N/A
10*22528	9-9-16	М	RONALD DAKAN	TH EXPLORATION LLC	1/8+	964	530	N/A	N/A	N/A	N/A
10*22553	9-9-16	М	DAVID H DAKAN	TH EXPLORATION LLC	1/8+	966	130	N/A	N/A	N/A	N/A
10*22783	9-9-16	М	SUZANNE SWIFT	TH EXPLORATION LLC	1/8+	972	85	N/A	N/A	N/A	N/A
10*23315	9-9-16	М	TIM A WILLIS AND DIANE CLARE WILLIS	TH EXPLORATION LLC	1/8+	988	138	N/A	N/A	N/A	N/A
			BESSIE CARMICHAEL ET AL SHANE M MALLETT, SPECIAL								
10*24047	9-9-16	М	COMMISSIONER	TH EXPLORATION LLC	1/8+	1021	117	N/A	N/A	N/A	N/A
10*24397	9-9-16	М	MARK D CHAMBERS AND SHERYL CHAMBERS	TH EXPLORATION LLC	1/8+	1023	163	N/A	N/A	N/A	N/A
10*24398	9-9-16	М	TODD SCHERICH AND WANDA D SCHERICH	TH EXPLORATION LLC	1/8+	1023	160	N/A	N/A	N/A	N/A
10*24413	9-9-16	М	BRADLEY S SCHERICH AND LEIGH SCHERICH	TH EXPLORATION LLC	1/8+	1023	157	N/A	N/A	N/A	N/A
*0	*Co-tenancy utilization — At least 7 mineral owners in tract. At least 75% of the royalty owners have executed a lease on the tract. The interests of the remaining co-tenants were acquired pursuant to the Co-tenancy Modernization and Majority Protection Act.										

STATE OF WEST VIRGINIA

COUNTY OF MARSHALL

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ASSIGNMENT AND BILL OF SALE

RECITALS

- A. Assignor desires to sell, convey, transfer, assign and deliver to Assignee Assignor's Crawford 1 well and certain related assets, including certain leasehold interests, located in Marshall County, West Virginia.
- B. Through an Acreage Trade Agreement to be executed contemporaneously with this Assignment, Assignor desires to transfer, convey and assign to Assignee certain of Assignor's oil and gas leasehold interests located in Marshall County, West Virginia in exchange for the transfer, conveyance and assignment to Assignor by Assignee certain of Assignee's oil and gas leasehold interests located in Marshall County, West Virginia.
- C. In consideration of the mutual promises set out in this Assignment, including execution of the Acreage Trade Agreement, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree to be bound by the terms of this Assignment.

1. DEFINITIONS

- 1.1 Definitions. As used in this Assignment, these words and expressions have the following meanings:
 - "Acreage Trade Agreement" means that certain Acreage Trade Agreement by and between Chevron U.S.A. Inc. and TH Exploration, LLC with an Effective Date of February 1, 2019 to be contemporaneously executed with this Assignment.
 - "Act" has the meaning given to such term in Section 9.1(C).
 - "Affiliate" means any legal entity which controls, is controlled by, or is under common control with, another legal entity. An entity is deemed to "control" another if it owns directly or indirectly at least fifty percent of either of the following: (A) the shares entitled to vote at a general election of directors of such

WW Department of Environmental Protection

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DPS LAND SERVICES CORP 6000 TOWN CENTER BOULEVARD, SUITE 145 CANONSBURG PA 15317-5841

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STATE OF WEST VIRGINIA
COUNTY OF MARSHALL

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ASSIGNMENT AND CONVEYANCE

THIS ASSIGNMENT AND CONVEYANCE (the "Assignment") is made and entered into this day of August 2019 (the "Effective Date"), by and between CHEVRON U.S.A. INC., a Pennsylvania corporation, with an address at 700 Cherrington Parkway, Coraopolis, PA 15108 (hereinafter "Assignor") and TH EXPLORATION, LLC, a Texas limited liability company, with an address at 1320 S. University Drive, Suite 500, Fort Worth, TX 76107 (hereinafter "Assignee").

WITNESSETH:

WHEREAS, Assignor desires to assign, set over, and transfer to Assignee all of Assignor's right, title, and interest in and to those certain oil and gas leases situated in Marshall County, West Virginia, as described in Exhibit "A", attached hereto and made a part hereof (hereinafter the "Leases"), less and except certain exclusions; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and subject to the limited warranties, restrictions and conditions hereinafter mentioned, the parties hereto, intending to be legally bound, do covenant and agree as follows:

- 1. <u>Assignment</u>. Assignor does hereby grant, bargain, sell, convey, deliver, assign, set over and transfer, as of the Effective Date, to Assignee, its respective successors and assigns, forever, all of Assignor's right, title and interest in and to the Leases, and the lands covered thereby, together with all rights incident thereto and appurtenances thereon, except that Assignor excepts and reserves from this Assignment the following:
 - Any portion of the Leases set forth in the column entitled "Less and Except" on Exhibit A.

TO HAVE AND TO HOLD such right, title and interest in and to the Leases unto Assignee or its designee, and their respective successors and assigns, forever, in accordance with the provisions of this Assignment.

- 2. <u>No Warranty</u>. The Assignment is made on an "as is, where is" basis without warranty of any kind. Assignor makes no, and expressly disclaims any, representation or warranty to Assignee regarding the Leases, whether express, statutory or implied, in fact, at law, common law, in equity or otherwise.
- 3. <u>Successors and Assigns</u>. The terms of this Assignment shall be binding upon and inure to the benefit of the parties hereto and each of their respective successors and assigns, and such terms shall be covenants running with the land, and with each subsequent transfer or assignment thereof.
- 4. <u>Further Assurances</u>. Assignor and Assignee hereby agree to take all actions and execute, acknowledge, and deliver all such instruments as are necessary or advisable to effectuate the purposes of this Assignment, except Assignor has no obligation to defend title to the Leases.

Office of PECEIVA

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ASSIGNMENT OF OIL AND GAS LEASES

This ASSIGNMENT OF OIL AND GAS LEASES (the "Assignment") is made and entered into this 8th day of March, 2018 (the "Effective Date"), from Blue Roan Resources, LLC, a West Virginia limited liability company, having an address at 3437 University Avenue, Morgantown, WV, 26505 (hereinafter "Assignor"), and TH Exploration, LLC, a Texas limited liability company, having an address at 1320 S. University Drive, Suite 500, Fort Worth, TX 76107 (hereinafter "Assignee").

WITNESSETH:

WHEREAS, Assignor is the owner of the right, title, and interest in those certain Oil and Gas Leases situated in Marshall County, West Virginia, which are described in Exhibit "A" attached hereto and made a part hereof (hereinafter the "Leases"); and

WHEREAS, subject to the exceptions and reservations herein contained, Assignor desires to assign, set over, and transfer to Assignee all of Assignor's right, title, and interest in and to the Leases.

NOW, THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00), cash in hand paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and subject to the limited warranties, restrictions and conditions hereinafter mentioned, the parties hereto, intending to be legally bound, do covenant and agree as follows:

1. Assignment. Assignor does hereby grant, bargain, sell, convey, deliver, assign, set over and transfer, as of the Effective Date, to Assignee, its respective successors and assigns, forever, subject to the terms, reservations, waivers and provisions as hereinafter set forth, an undivided interest of all of Assignor's right, title and interest in and to the Leases and all oil, natural gas, natural gas liquids, condensate, casinghead gas and other liquefied or gaseous hydrocarbons or products ("Hydrocarbons") thereby held, in any and all depths and formations ("Assigned Formations"), together with any and all other rights that are reasonably necessary or convenient to explore for and produce Hydrocarbons from the Assigned Formations, including, but not limited to, the right of surface access, use and occupancy, the right of ingress and egress, the right to conduct geophysical and other exploratory activities, the right to lay pipeline, the right to drill through, but not perforate or stimulate, all other depths and formations necessary for the purpose of reaching the Assigned Formations and to conduct operations therein.

TO HAVE AND TO HOLD such right, title and interest in and to the Leases unto Assignees or their designee, and their respective successors and assigns, forever, in accordance with the provisions of this Assignment.

2. <u>Representations and Warranties</u>. Assignor represents and warrants that such Assignor has not conveyed or otherwise encumbered its interest in the Leases since the time that Assignor obtained its interests in the Leases.

Assignor represents and warrants that, as to its interests in the Leases, Assignor has paid all royalties, overriding royalties, and other payments required by the Leases which were due for the period in which Assignor held its interests in the Leases, including, but not limited to, the interests assigned hereunder, and that Assignor has fully performed all conditions necessary to maintain the Leases in full force and effect during such period.

- 3. <u>Successors and Assigns</u>. The terms of this Assignment shall be binding upon and inure to the benefit of the parties hereto and each of their respective successors and assigns, and such terms shall be covenants running with the land, and with each subsequent transfer or assignment thereof.
- 4. <u>Further Assurances</u>. Assignor and Assignee hereby agree to take all actions and execute, acknowledge, and deliver all such instruments as are necessary or advisable to effectuate the purposes of this Assignment.

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