



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, June 28, 2022
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

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

Re: Permit Modification Approval for HUDSON S-2HM
47-051-02249-00-00

Lateral Extension

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-2HM
Farm Name: CNX LAND LLC
U.S. WELL NUMBER: 47-051-02249-00-00
Horizontal 6A New Drill
Date Modification Issued: 6/28/2022

Promoting a healthy environment.

07/01/2022



June 3, 2022

WADE STANSBERRY
WV DEP OFFICE OF OIL & GAS
601 57TH STREET SE
CHARLESTON, WV 25304-2345

VIA USPS

**RE: Hudson S-2HM API#: 47-051-02249
Meade District, Marshall County, WV**

Dear Wade:

Tug Hill Operating, LLC is submitting a permit modification for its permitted well, Hudson S-2HM. Therefore, enclosed please find the following:

- Modified WW-6B with changes highlighted in yellow.
- Updated well plat.
- Updated WW-6A1 information.

If you have any questions or need any additional information, please do not hesitate to call me on (304) 376-0111. Thank you for attention to this matter, it is greatly appreciated.

Sincerely,

AMY MORRIS
PERMIT SPECIALIST-APPALACHIA REGION
TUG HILL OPERATING, LLC

RECEIVED
Office of Oil and Gas

JUN 06 2022

WV Department of
Environmental Protection

Enclosures

Clk #
055808
\$2500⁰⁰
3/24/22

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

1) Well Operator: Tug Hill Operating, LLC 494510851 Marshall Meade Glen Easton 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Hudson S-2HM Well Pad Name: Hudson

3) Farm Name/Surface Owner: CNX Land, LLC Public Road Access: Roberts Ridge Road (CR 21)

4) Elevation, current ground: 1,346' Elevation, proposed post-construction: 1,346'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No Yes

[Signature] 5-17-22 *MSK*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):

Marcellus is the target formation at a depth of 6,713' - 6,765', thickness of 52' and anticipated pressure of approx. 3800 psi.

8) Proposed Total Vertical Depth: 6,865'

9) Formation at Total Vertical Depth: Onondaga

10) Proposed Total Measured Depth: 21,609'

11) Proposed Horizontal Leg Length: 13,275.98'

12) Approximate Fresh Water Strata Depths: 70; 980'

13) Method to Determine Fresh Water Depths: Offset well reports or noticeable flow at the flowline or when need to start soaping

14) Approximate Saltwater Depths: 1,444'

15) Approximate Coal Seam Depths: Sewickley Coal - 888' and Pittsburgh Coal - 974'

16) Approximate Depth to Possible Void (coal mine, karst, other): None anticipated

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

(a) If Yes, provide Mine Info: Name: Marshall County Coal Co./Marshall County Mine

Depth: Pittsburgh coal TVD - 974' and subsea level - 372'

Seam: Pittsburgh

Owner: Murray Energy / Consolidated Coal Company

RECEIVED
Office of Oil and Gas

JUN 06 2022

WV Department of
Environmental Protection

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'	259^3(CTS)
Fresh Water	13 3/8"	NEW	J55	54.5#	1,080'	1,080'	1,100^3(CTS)
Coal	13 3/8"	NEW	J55	54.5#	1,080'	1,080'	1,100^3(CTS)
Intermediate	9 5/8"	NEW	J55	36#	2,963'	2,963'	981^3(CTS)
Production	5 1/2"	NEW	P110	20#	21,609'	21,609'	5,507^3(CTS)
Tubing	2 3/8"	NEW	N80	4.7#	7,387'		
Liners							

John A. 5/27/22 MJK

TYPE	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	13 3/8"	17 1/2"	.38	2,740	2,192	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"	.352	3,520	2,816	SEE #24	1.19
Production	5 1/2"	8 7/8" _ 8 3/4"	.361	12,640	10,112	SEE #24	1.17/1.19
Tubing	2 3/8"		.19	11,200	8,960		
Liners							

PACKERS

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

RECEIVED
Office of Oil and Gas

JUN 06 2022

WV Department of
Environmental Protection

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

Drill through the Marcellus and TD Pilot Hole 100' into the Onondaga. Log vertical section and run a solid cement plug back to proposed KOP. 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 33,185,000 lb proppant and 600,000 bbl of water. Max rate = 80 bpm; max psi = 9,000#.

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 other joint. Production casing will have one centralizer every other joint in lateral, one centralizer every joint through curve, one centralizer every other joint to surface.

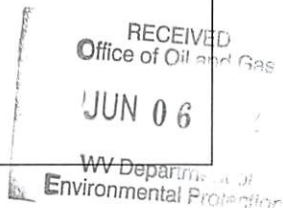
24) Describe all cement additives associated with each cement type:

Sfc - Premium NE-1 + 2% CaCl; Int1 - Premium NE-1 + 1.5% CaCL + Flake; Int2 - Lead: Premium NE-1 + 5% BA-90 + .85% R-3 + 3% KCl + .75 gals/100sk FP-13L + 1% MPA-170 Tail: Premium NE-1 + .1% R-3 + 5% KCl + 1% CD-32 + .4% FL-52 + 2% ASA-301 + .6% Sodium Metasilicate; Kick Plug - Class H Cement + 1% CD-32 + .7% Sodium Metasilicate + .1% R-3 + .75 gal/100sk FP-13L; Prod - Lead: 50:50 (Poz:Class H) + .3% R-3 + .3% MPA-250 + .75 gal/100sk FP-13L Tail: 25:75 (Poz:Class H) + .3% R-3 + .3% MPA-250 + .375 gal/100sk FP-13L

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.



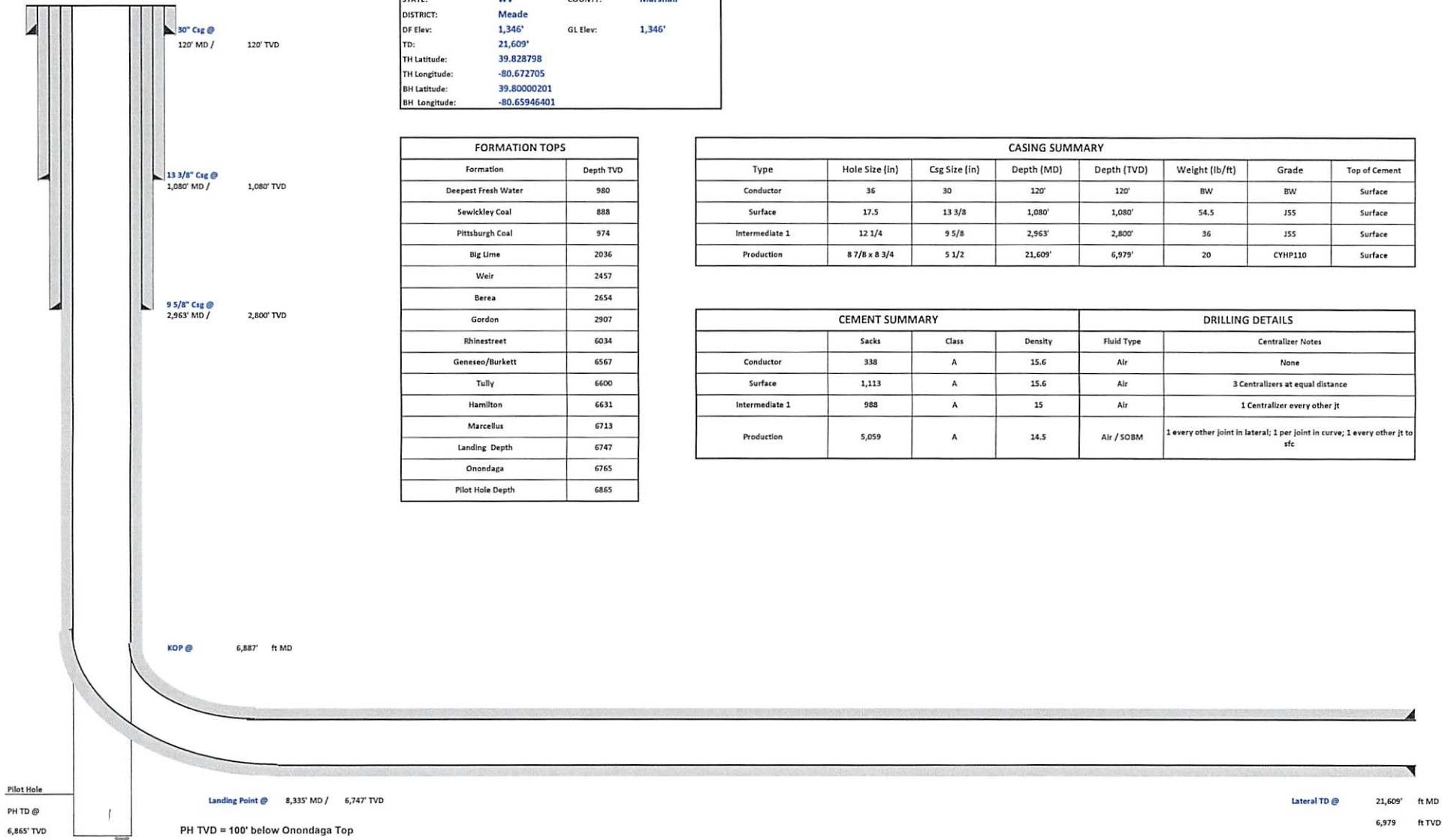


WELL NAME: Hudson S-2HM
 STATE: WV COUNTY: Marshall
 DISTRICT: Meade
 OF Elev: 1,346' GL Elev: 1,346'
 TD: 21,609'
 TH Latitude: 39.828798
 TH Longitude: -80.672705
 BH Latitude: 39.8000201
 BH Longitude: -80.65946401

FORMATION TOPS	
Formation	Depth TVD
Deepest Fresh Water	980
Sewickley Coal	888
Pittsburgh Coal	974
Big Lime	2036
Weir	2457
Berea	2654
Gordon	2907
Rhinestreet	6034
Genesee/Burkett	6567
Tully	6600
Hamilton	6631
Marcellus	6713
Landing Depth	6747
Onondaga	6765
Pilot Hole Depth	6865

CASING SUMMARY							
Type	Hole Size (in)	Csg Size (in)	Depth (MD)	Depth (TVD)	Weight (lb/ft)	Grade	Top of Cement
Conductor	36	30	120'	120'	8W	8W	Surface
Surface	17.5	13 3/8	1,080'	1,080'	54.5	J55	Surface
Intermediate 1	12 1/4	9 5/8	2,963'	2,800'	36	J55	Surface
Production	8 7/8 x 8 3/4	5 1/2	21,609'	6,979'	20	CYHP110	Surface

CEMENT SUMMARY				DRILLING DETAILS	
	Sacks	Class	Density	Fluid Type	Centralizer Notes
Conductor	338	A	15.6	Air	None
Surface	1,113	A	15.6	Air	3 Centralizers at equal distance
Intermediate 1	988	A	15	Air	1 Centralizer every other jt
Production	5,059	A	14.5	Air / SOBM	1 every other joint in lateral; 1 per joint in curve; 1 every other jt to sfc



Pilot Hole PH TD @ 6,865' TVD
 Landing Point @ 8,335' MD / 6,747' TVD
 PH TVD = 100' below Onondaga Top
 Lateral TD @ 21,609' ft MD
 6,979' ft TVD

RECEIVED
 Office of Oil and Gas
 JUN 06 2022
 WV Department of Environmental Protection



Tug Hill Operating, LLC Casing and Cement Program

Hudson S-2HM

Casing

	String	Grade	Bit Size	Depth (Measured)	Cement Fill Up
Conductor	30"	BW	36"	120'	CTS
Surface	13 3/8"	J55	17 1/2"	1,080'	CTS
Intermediate	9 5/8"	J55	12 1/4"	2,963'	CTS
Production	5 1/2"	CYHP110	8 7/8 x 8 3/4	21,609'	CTS

Cement

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

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

Intermediate: Premium NE-1 + 1% bwoc CaC12 + 46.5% Fresh Water – Intermediate Cement mixed at 15.6 ppg, Y=1.19

Kick Off Plug: Class H Cement + 1% CD-32 + .7% Sodium Metasilicate + .1% R-3 + .75 gal/100sk FP-13L - KOP Plug

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 = 1.19

RECEIVED
Office of Oil and Gas

JUN 06 2022

WV Department of
Environmental Protection

07/01/2022



Well: Hudson S-02 HM (slot E)
Site: Hudson Ait North
Project: Marshall County, West Virginia
Design: revs
Rig:

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dip	TFace	V Sect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	1401.75	0.00	1401.75	0.00	0.00	0.00	0.00	0.00		
3	2784.64	41.49	301.10	2666.93	247.50	-410.30	3.00	301.100	-371.53	Begin 41.49° tangent
4	6886.84	41.49	301.10	5739.92	1651.17	-2737.19	0.00	0.000	-2478.58	Begin 8°/100' build
5	7904.49	50.00	170.21	6597.55	1396.87	-3006.44	8.00	-144	149-2330.15	Begin 10°/100' build
6	8335.35	89.00	150.07	6746.89	1030.12	-2864.14	10.00	-30	261-1936.90	Begin 89.00° lateral
7	21608.92	89.00	150.07	6978.75	-10471.63	3757.32	0.00	0.000	1125.31	PBHL/TD 21608.92 MD 6978.75 TVD

Name Hudson 02HM LP r1
 +N/S 1031.44
 TVD 6747.00
 - plan misses target center by 16.30ft at 8324.68ft MD (6746.62 TVD, 1039.39 N, -2869.43 E)
 Hudson 02HM PBHL r3
 +N/S 6978.75
 TVD 6747.00
 - plan hits target center

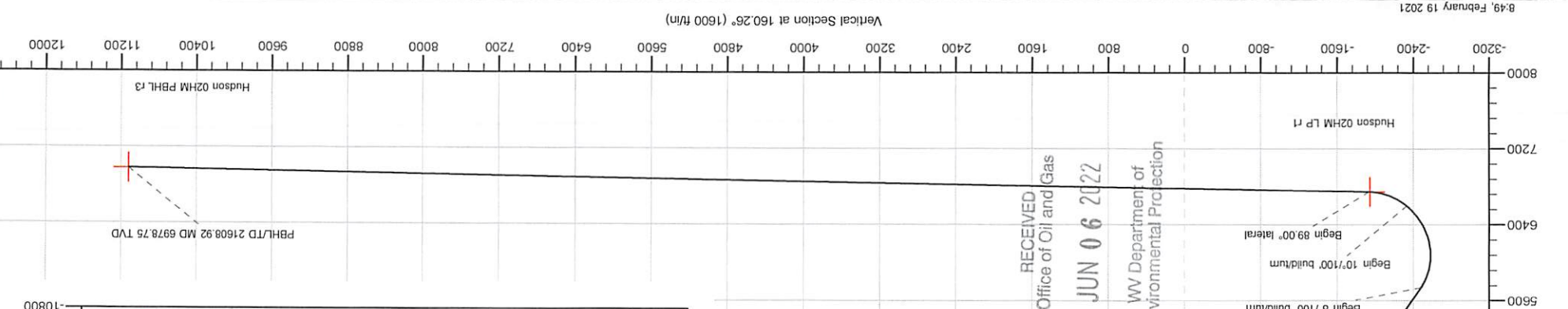
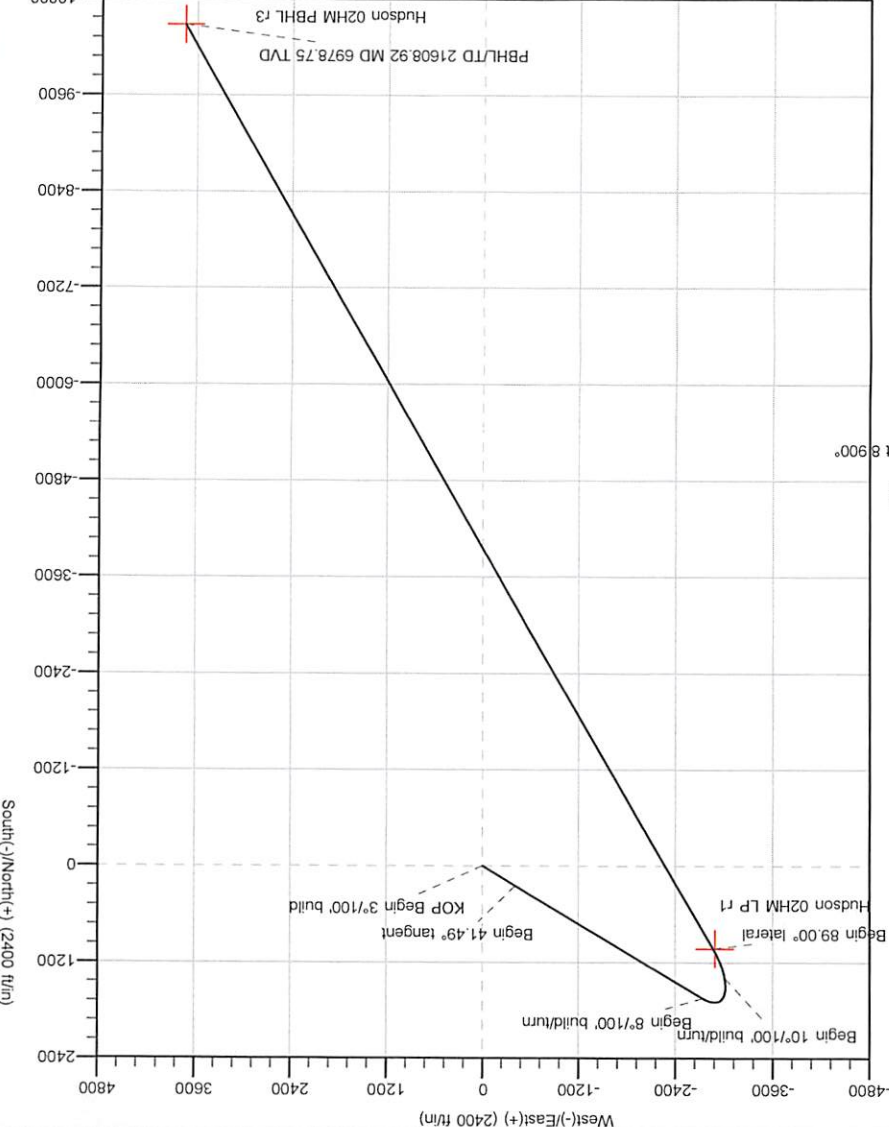
Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD83 West Virginia - HARN
 Ellipsoid: GRS 1980
 Zone: Zone 17N (84 W to 78 W)
 System Datum: Mean Sea Level
 Depth Reference: GL @ 1345.00ft
 Northing 14464560.93
 Easting 1732304.53
 Latitude 39.82879800
 Longitude -80.67270500
 Total Corr (M->G): To convert a Magnetic Direction to a Grid Direction, Subtract 8.90°



Azimuths to Grid North
 True North: -0.21°
 Magnetic North: -8.90°
 Magnetic Field
 Strength: 51800.7nT
 Dip Angle: 66.60°
 Date: 2/9/2021
 Model: IGRF2020



RECEIVED
 Office of Oil and Gas
 JUN 06 2022
 WV Department of
 Environmental Protection



Planning Report - Geographic

Database: Win10Lt_Dec2820_v16	Local Co-ordinate Reference: Well Hudson S-02 HM (slot E)
Company: Tug Hill Operating LLC	TVD Reference: GL @ 1346.00ft
Project: Marshall County, West Virginia	MD Reference: GL @ 1346.00ft
Site: Hudson Alt North	North Reference: Grid
Well: Hudson S-02 HM (slot E)	Survey Calculation Method: Minimum Curvature
Wellbore: Original Hole	
Design: rev5	

Project Marshall County, West Virginia	
Map System: Universal Transverse Mercator (US Survey Feet)	System Datum: Mean Sea Level
Geo Datum: NAD83 West Virginia - HARN	
Map Zone: Zone 17N (84 W to 78 W)	

Site Hudson Alt North	
Site Position:	Northing: 14,464,552.10 usft Latitude: 39.82877400
From: Lat/Long	Easting: 1,732,278.45 usft Longitude: -80.67279800
Position Uncertainty: 0.00 ft	Slot Radius: 13-3/16 "

Well Hudson S-02 HM (slot E)	
Well Position +N/-S 0.00 ft	Northing: 14,464,560.93 usft Latitude: 39.82879800
+E/-W 0.00 ft	Easting: 1,732,304.53 usft Longitude: -80.67270500
Position Uncertainty 0.00 ft	Wellhead Elevation: ft Ground Level: 1,346.00 ft
Grid Convergence: 0.210 °	

Wellbore Original Hole					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2020	2/9/2021	(°) -6.690	(°) 66.600	(nT) 51,800.70535168

Design rev5					
Audit Notes:					
Version:	Phase: PLAN	Tie On Depth: 0.00			
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	160.26	

Plan Survey Tool Program		Date 2/19/2021
Depth From	Depth To	Survey (Wellbore)
(ft)	(ft)	
1	0.00	21,608.93 rev5 (Original Hole)
		Tool Name
		MWD
		MWD - Standard
		Remarks

Plan 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,401.75	0.00	0.00	1,401.75	0.00	0.00	0.00	0.00	0.00	0.000	
2,784.64	41.49	301.10	2,666.93	247.50	-410.30	3.00	3.00	0.00	301.100	
6,886.84	41.49	301.10	5,739.92	1,651.17	-2,737.19	0.00	0.00	0.00	0.000	
7,904.49	50.00	170.21	6,597.55	1,396.87	-3,006.44	8.00	0.84	-12.86	-144.149	
8,335.35	89.00	150.07	6,746.89	1,030.12	-2,864.14	10.00	9.05	-4.67	-30.261	
21,608.93	89.00	150.07	6,978.75	-10,471.63	3,757.32	0.00	0.00	0.00	0.000	Hudson 02HM PBHL

Planning Report - Geographic

Database: Win10Lt_Dec2820_v16
 Company: Tug Hill Operating LLC
 Project: Marshall County, West Virginia
 Site: Hudson Alt North
 Well: Hudson S-02 HM (slot E)
 Wellbore: Original Hole
 Design: rev5

Local Co-ordinate Reference: Well Hudson S-02 HM (slot E)
 TVD Reference: GL @ 1346.00ft
 MD Reference: GL @ 1346.00ft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
100.00	0.00	0.00	100.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
200.00	0.00	0.00	200.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
300.00	0.00	0.00	300.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
400.00	0.00	0.00	400.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
500.00	0.00	0.00	500.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
600.00	0.00	0.00	600.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
700.00	0.00	0.00	700.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
800.00	0.00	0.00	800.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
900.00	0.00	0.00	900.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
1,401.75	0.00	0.00	1,401.75	0.00	0.00	14,464,560.93	1,732,304.53	39.82879800	-80.67270500	
KOP Begin 3°/100' build										
1,500.00	2.95	301.10	1,499.96	1.31	-2.16	14,464,562.24	1,732,302.36	39.82880161	-80.67271269	
1,600.00	5.95	301.10	1,599.64	5.31	-8.80	14,464,566.24	1,732,295.73	39.82881267	-80.67273628	
1,700.00	8.95	301.10	1,698.79	12.00	-19.90	14,464,572.94	1,732,284.63	39.82883117	-80.67277573	
1,800.00	11.95	301.10	1,797.12	21.37	-35.43	14,464,582.30	1,732,269.10	39.82885704	-80.67283090	
1,900.00	14.95	301.10	1,894.37	33.38	-55.34	14,464,594.31	1,732,249.19	39.82889023	-80.67290166	
2,000.00	17.95	301.10	1,990.26	48.00	-79.58	14,464,608.94	1,732,224.95	39.82893063	-80.67298782	
2,100.00	20.95	301.10	2,084.55	65.20	-108.08	14,464,626.13	1,732,196.45	39.82897814	-80.67308913	
2,200.00	23.95	301.10	2,176.96	84.92	-140.77	14,464,645.85	1,732,163.75	39.82903263	-80.67320531	
2,300.00	26.95	301.10	2,267.25	107.11	-177.56	14,464,668.05	1,732,126.97	39.82909394	-80.67333606	
2,400.00	29.95	301.10	2,355.16	131.71	-218.35	14,464,692.65	1,732,086.18	39.82916191	-80.67348100	
2,500.00	32.95	301.10	2,440.47	158.66	-263.02	14,464,719.59	1,732,041.51	39.82923636	-80.67363975	
2,600.00	35.95	301.10	2,522.92	187.87	-311.44	14,464,748.81	1,731,993.08	39.82931707	-80.67381187	
2,700.00	38.95	301.10	2,602.30	219.28	-363.50	14,464,780.21	1,731,941.03	39.82940383	-80.67399689	
2,784.64	41.49	301.10	2,666.93	247.50	-410.30	14,464,808.44	1,731,894.23	39.82948182	-80.67416319	
Begin 41.49° tangent										
2,800.00	41.49	301.10	2,678.44	252.76	-419.01	14,464,813.69	1,731,885.52	39.82949634	-80.67419416	
2,900.00	41.49	301.10	2,753.35	286.98	-475.73	14,464,847.91	1,731,828.80	39.82959087	-80.67439575	
3,000.00	41.49	301.10	2,828.26	321.19	-532.45	14,464,882.13	1,731,772.08	39.82968541	-80.67459735	
3,100.00	41.49	301.10	2,903.17	355.41	-589.18	14,464,916.34	1,731,715.35	39.82977994	-80.67479895	
3,200.00	41.49	301.10	2,978.08	389.63	-645.90	14,464,950.56	1,731,658.63	39.82987448	-80.67500055	
3,300.00	41.49	301.10	3,052.99	423.85	-702.62	14,464,984.78	1,731,601.91	39.82996901	-80.67520215	
3,400.00	41.49	301.10	3,127.90	458.06	-759.35	14,465,019.00	1,731,545.18	39.83006355	-80.67540375	
3,500.00	41.49	301.10	3,202.81	492.28	-816.07	14,465,053.21	1,731,488.46	39.83015808	-80.67560535	
3,600.00	41.49	301.10	3,277.72	526.50	-872.79	14,465,087.43	1,731,431.74	39.83025261	-80.67580695	
3,700.00	41.49	301.10	3,352.63	560.72	-929.52	14,465,121.65	1,731,375.01	39.83034715	-80.67600855	
3,800.00	41.49	301.10	3,427.54	594.93	-986.24	14,465,155.87	1,731,318.29	39.83044168	-80.67621015	
3,900.00	41.49	301.10	3,502.46	629.15	-1,042.96	14,465,190.08	1,731,261.57	39.83053621	-80.67641176	
4,000.00	41.49	301.10	3,577.37	663.37	-1,099.69	14,465,224.30	1,731,204.84	39.83063074	-80.67661336	
4,100.00	41.49	301.10	3,652.28	697.58	-1,156.41	14,465,258.52	1,731,148.12	39.83072527	-80.67681496	
4,200.00	41.49	301.10	3,727.19	731.80	-1,213.13	14,465,292.73	1,731,091.40	39.83081980	-80.67701657	
4,300.00	41.49	301.10	3,802.10	766.02	-1,269.86	14,465,326.95	1,731,034.67	39.83091434	-80.67721817	
4,400.00	41.49	301.10	3,877.01	800.24	-1,326.58	14,465,361.17	1,730,977.95	39.83100887	-80.67741978	
4,500.00	41.49	301.10	3,951.92	834.45	-1,383.30	14,465,395.39	1,730,921.23	39.83110340	-80.67762138	
4,600.00	41.49	301.10	4,026.83	868.67	-1,440.03	14,465,429.60	1,730,864.51	39.83119793	-80.67782299	
4,700.00	41.49	301.10	4,101.74	902.89	-1,496.75	14,465,463.82	1,730,807.78	39.83129246	-80.67802460	
4,800.00	41.49	301.10	4,176.65	937.11	-1,553.47	14,465,498.04	1,730,751.06	39.83138698	-80.67822621	
4,900.00	41.49	301.10	4,251.56	971.32	-1,610.20	14,465,532.26	1,730,694.34	39.83148151	-80.67842781	

Planning Report - Geographic

Database: WIn10Lt_Dec2820_v16
 Company: Tug Hill Operating LLC
 Project: Marshall County, West Virginia
 Site: Hudson Alt North
 Well: Hudson S-02 HM (slot E)
 Wellbore: Original Hole
 Design: rev5

Local Co-ordinate Reference: Well Hudson S-02 HM (slot E)
 TVD Reference: GL @ 1346.00ft
 MD Reference: GL @ 1346.00ft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,000.00	41.49	301.10	4,326.48	1,005.54	-1,666.92	14,465,566.47	1,730,637.61	39.83157604	-80.67862942
5,100.00	41.49	301.10	4,401.39	1,039.76	-1,723.64	14,465,600.69	1,730,580.89	39.83167057	-80.67883103
5,200.00	41.49	301.10	4,476.30	1,073.98	-1,780.37	14,465,634.91	1,730,524.17	39.83176510	-80.67903264
5,300.00	41.49	301.10	4,551.21	1,108.19	-1,837.09	14,465,669.12	1,730,467.44	39.83185962	-80.67923425
5,400.00	41.49	301.10	4,626.12	1,142.41	-1,893.81	14,465,703.34	1,730,410.72	39.83195415	-80.67943586
5,500.00	41.49	301.10	4,701.03	1,176.63	-1,950.53	14,465,737.56	1,730,354.00	39.83204868	-80.67963748
5,600.00	41.49	301.10	4,775.94	1,210.85	-2,007.26	14,465,771.78	1,730,297.27	39.83214320	-80.67983909
5,700.00	41.49	301.10	4,850.85	1,245.06	-2,063.98	14,465,805.99	1,730,240.55	39.83223773	-80.68004070
5,800.00	41.49	301.10	4,925.76	1,279.28	-2,120.70	14,465,840.21	1,730,183.83	39.83233226	-80.68024231
5,900.00	41.49	301.10	5,000.67	1,313.50	-2,177.43	14,465,874.43	1,730,127.10	39.83242678	-80.68044393
6,000.00	41.49	301.10	5,075.59	1,347.71	-2,234.15	14,465,908.65	1,730,070.38	39.83252131	-80.68064554
6,100.00	41.49	301.10	5,150.50	1,381.93	-2,290.87	14,465,942.86	1,730,013.66	39.83261583	-80.68084716
6,200.00	41.49	301.10	5,225.41	1,416.15	-2,347.60	14,465,977.08	1,729,956.94	39.83271035	-80.68104877
6,300.00	41.49	301.10	5,300.32	1,450.37	-2,404.32	14,466,011.30	1,729,900.21	39.83280488	-80.68125039
6,400.00	41.49	301.10	5,375.23	1,484.58	-2,461.04	14,466,045.51	1,729,843.49	39.83289940	-80.68145200
6,500.00	41.49	301.10	5,450.14	1,518.80	-2,517.77	14,466,079.73	1,729,786.77	39.83299393	-80.68165362
6,600.00	41.49	301.10	5,525.05	1,553.02	-2,574.49	14,466,113.95	1,729,730.04	39.83308845	-80.68185524
6,700.00	41.49	301.10	5,599.96	1,587.24	-2,631.21	14,466,148.17	1,729,673.32	39.83318297	-80.68205686
6,800.00	41.49	301.10	5,674.87	1,621.45	-2,687.94	14,466,182.38	1,729,616.60	39.83327749	-80.68225848
6,886.84	41.49	301.10	5,739.92	1,651.17	-2,737.19	14,466,212.10	1,729,567.34	39.83335957	-80.68243356
Begin 8°/100' build/turn									
6,900.00	40.64	300.15	5,749.85	1,655.57	-2,744.63	14,466,216.50	1,729,559.90	39.83337174	-80.68246000
7,000.00	34.49	291.73	5,829.13	1,682.46	-2,799.18	14,466,243.39	1,729,505.36	39.83344610	-80.68265395
7,100.00	29.12	280.43	5,914.17	1,697.37	-2,849.48	14,466,258.30	1,729,455.05	39.83348754	-80.68283296
7,200.00	25.04	265.23	6,003.29	1,700.02	-2,894.57	14,466,260.95	1,729,409.96	39.83349526	-80.68299354
7,300.00	22.97	246.15	6,094.78	1,690.35	-2,933.57	14,466,251.28	1,729,370.96	39.83346910	-80.68313257
7,400.00	23.43	225.78	6,186.84	1,668.56	-2,965.72	14,466,229.49	1,729,338.82	39.83340957	-80.68324735
7,500.00	26.30	207.93	6,277.69	1,635.07	-2,990.38	14,466,196.00	1,729,314.15	39.83331784	-80.68333563
7,600.00	30.91	194.21	6,365.56	1,590.53	-3,007.09	14,466,151.46	1,729,297.45	39.83319568	-80.68339571
7,700.00	36.60	184.05	6,448.73	1,535.81	-3,015.51	14,466,096.74	1,729,289.02	39.83304548	-80.68342640
7,800.00	42.95	176.41	6,525.60	1,471.97	-3,015.49	14,466,032.90	1,729,289.05	39.83287016	-80.68342712
7,900.00	49.69	170.45	6,594.66	1,400.25	-3,007.02	14,465,961.18	1,729,297.52	39.83267313	-80.68339785
7,904.49	50.00	170.21	6,597.55	1,396.87	-3,006.44	14,465,957.80	1,729,298.09	39.83266384	-80.68339584
Begin 10°/100' build/turn									
8,000.00	58.39	164.58	6,653.41	1,321.44	-2,989.36	14,465,882.37	1,729,315.17	39.83245652	-80.68333596
8,100.00	67.40	159.68	6,698.94	1,236.88	-2,961.94	14,465,797.82	1,729,342.59	39.83222405	-80.68323935
8,200.00	76.54	155.40	6,729.88	1,149.16	-2,925.58	14,465,710.09	1,729,378.95	39.83198278	-80.68311094
8,300.00	85.74	151.44	6,745.27	1,060.93	-2,881.39	14,465,621.86	1,729,423.14	39.83174005	-80.68295465
8,335.35	89.00	150.07	6,746.89	1,030.12	-2,864.14	14,465,591.05	1,729,440.39	39.83165528	-80.68289360
Begin 89.00° lateral									
8,400.00	89.00	150.07	6,748.02	974.10	-2,831.89	14,465,535.03	1,729,472.64	39.83150112	-80.68277943
8,500.00	89.00	150.07	6,749.77	887.45	-2,782.01	14,465,448.38	1,729,522.53	39.83126267	-80.68260284
8,600.00	89.00	150.07	6,751.52	800.80	-2,732.12	14,465,361.73	1,729,572.41	39.83102422	-80.68242625
8,700.00	89.00	150.07	6,753.26	714.15	-2,682.24	14,465,275.08	1,729,622.30	39.83078577	-80.68224966
8,800.00	89.00	150.07	6,755.01	627.49	-2,632.35	14,465,188.43	1,729,672.18	39.83054732	-80.68207307
8,900.00	89.00	150.07	6,756.76	540.84	-2,582.47	14,465,101.78	1,729,722.06	39.83030886	-80.68189648
9,000.00	89.00	150.07	6,758.50	454.19	-2,532.58	14,465,015.12	1,729,771.95	39.83007041	-80.68171989
9,100.00	89.00	150.07	6,760.25	367.54	-2,482.70	14,464,928.47	1,729,821.83	39.82983196	-80.68154331
9,200.00	89.00	150.07	6,762.00	280.89	-2,432.81	14,464,841.82	1,729,871.72	39.82959351	-80.68136672
9,300.00	89.00	150.07	6,763.74	194.24	-2,382.93	14,464,755.17	1,729,921.60	39.82935505	-80.68119014
9,400.00	89.00	150.07	6,765.49	107.59	-2,333.05	14,464,668.52	1,729,971.49	39.82911660	-80.68101356
9,500.00	89.00	150.07	6,767.24	20.93	-2,283.16	14,464,581.87	1,730,021.37	39.82887815	-80.68083698
9,600.00	89.00	150.07	6,768.98	-65.72	-2,233.28	14,464,495.22	1,730,071.26	39.82863969	-80.68066040
9,700.00	89.00	150.07	6,770.73	-152.37	-2,183.39	14,464,408.57	1,730,121.14	39.82840124	-80.68048382

Planning Report - Geographic

Database: Win10Lt_Dec2820_v16
Company: Tug Hill Operating LLC
Project: Marshall County, West Virginia
Site: Hudson Alt North
Well: Hudson S-02 HM (slot E)
Wellbore: Original Hole
Design: rev5

Local Co-ordinate Reference: Well Hudson S-02 HM (slot E)
TVD Reference: GL @ 1346.00ft
MD Reference: GL @ 1346.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,800.00	89.00	150.07	6,772.48	-239.02	-2,133.51	14,464,321.91	1,730,171.02	39.82816279	-80.68030725
9,900.00	89.00	150.07	6,774.22	-325.67	-2,083.62	14,464,235.26	1,730,220.91	39.82792433	-80.68013067
10,000.00	89.00	150.07	6,775.97	-412.32	-2,033.74	14,464,148.61	1,730,270.79	39.82768588	-80.67995410
10,100.00	89.00	150.07	6,777.72	-498.97	-1,983.85	14,464,061.96	1,730,320.68	39.82744742	-80.67977752
10,200.00	89.00	150.07	6,779.46	-585.63	-1,933.97	14,463,975.31	1,730,370.56	39.82720897	-80.67960095
10,300.00	89.00	150.07	6,781.21	-672.28	-1,884.08	14,463,888.66	1,730,420.45	39.82697051	-80.67942438
10,400.00	89.00	150.07	6,782.96	-758.93	-1,834.20	14,463,802.01	1,730,470.33	39.82673206	-80.67924781
10,500.00	89.00	150.07	6,784.71	-845.58	-1,784.32	14,463,715.35	1,730,520.22	39.82649360	-80.67907124
10,600.00	89.00	150.07	6,786.45	-932.23	-1,734.43	14,463,628.70	1,730,570.10	39.82625514	-80.67889468
10,700.00	89.00	150.07	6,788.20	-1,018.88	-1,684.55	14,463,542.05	1,730,619.98	39.82601669	-80.67871811
10,800.00	89.00	150.07	6,789.95	-1,105.54	-1,634.66	14,463,455.40	1,730,669.87	39.82577823	-80.67854155
10,900.00	89.00	150.07	6,791.69	-1,192.19	-1,584.78	14,463,368.75	1,730,719.75	39.82553977	-80.67836498
11,000.00	89.00	150.07	6,793.44	-1,278.84	-1,534.89	14,463,282.10	1,730,769.64	39.82530132	-80.67818842
11,100.00	89.00	150.07	6,795.19	-1,365.49	-1,485.01	14,463,195.45	1,730,819.52	39.82506286	-80.67801186
11,200.00	89.00	150.07	6,796.93	-1,452.14	-1,435.12	14,463,108.80	1,730,869.41	39.82482440	-80.67783530
11,300.00	89.00	150.07	6,798.68	-1,538.79	-1,385.24	14,463,022.14	1,730,919.29	39.82458594	-80.67765874
11,400.00	89.00	150.07	6,800.43	-1,625.44	-1,335.35	14,462,935.49	1,730,969.18	39.82434748	-80.67748219
11,500.00	89.00	150.07	6,802.17	-1,712.10	-1,285.47	14,462,848.84	1,731,019.06	39.82410903	-80.67730563
11,600.00	89.00	150.07	6,803.92	-1,798.75	-1,235.59	14,462,762.19	1,731,068.95	39.82387057	-80.67712908
11,700.00	89.00	150.07	6,805.67	-1,885.40	-1,185.70	14,462,675.54	1,731,118.83	39.82363211	-80.67695252
11,800.00	89.00	150.07	6,807.41	-1,972.05	-1,135.82	14,462,588.89	1,731,168.71	39.82339365	-80.67677597
11,900.00	89.00	150.07	6,809.16	-2,058.70	-1,085.93	14,462,502.24	1,731,218.60	39.82315519	-80.67659942
12,000.00	89.00	150.07	6,810.91	-2,145.35	-1,036.05	14,462,415.58	1,731,268.48	39.82291673	-80.67642287
12,100.00	89.00	150.07	6,812.65	-2,232.00	-986.16	14,462,328.93	1,731,318.37	39.82267827	-80.67624632
12,200.00	89.00	150.07	6,814.40	-2,318.66	-936.28	14,462,242.28	1,731,368.25	39.82243981	-80.67606977
12,300.00	89.00	150.07	6,816.15	-2,405.31	-886.39	14,462,155.63	1,731,418.14	39.82220135	-80.67589323
12,400.00	89.00	150.07	6,817.89	-2,491.96	-836.51	14,462,068.98	1,731,468.02	39.82196288	-80.67571668
12,500.00	89.00	150.07	6,819.64	-2,578.61	-786.62	14,461,982.33	1,731,517.91	39.82172442	-80.67554014
12,600.00	89.00	150.07	6,821.39	-2,665.26	-736.74	14,461,895.68	1,731,567.79	39.82148596	-80.67536360
12,700.00	89.00	150.07	6,823.13	-2,751.91	-686.86	14,461,809.03	1,731,617.67	39.82124750	-80.67518705
12,800.00	89.00	150.07	6,824.88	-2,838.56	-636.97	14,461,722.37	1,731,667.56	39.82100904	-80.67501051
12,900.00	89.00	150.07	6,826.63	-2,925.22	-587.09	14,461,635.72	1,731,717.44	39.82077057	-80.67483398
13,000.00	89.00	150.07	6,828.37	-3,011.87	-537.20	14,461,549.07	1,731,767.33	39.82053211	-80.67465744
13,100.00	89.00	150.07	6,830.12	-3,098.52	-487.32	14,461,462.42	1,731,817.21	39.82029365	-80.67448090
13,200.00	89.00	150.07	6,831.87	-3,185.17	-437.43	14,461,375.77	1,731,867.10	39.82005519	-80.67430437
13,300.00	89.00	150.07	6,833.61	-3,271.82	-387.55	14,461,289.12	1,731,916.98	39.81981672	-80.67412783
13,400.00	89.00	150.07	6,835.36	-3,358.47	-337.66	14,461,202.47	1,731,966.87	39.81957826	-80.67395130
13,500.00	89.00	150.07	6,837.11	-3,445.13	-287.78	14,461,115.82	1,732,016.75	39.81933979	-80.67377477
13,600.00	89.00	150.07	6,838.85	-3,531.78	-237.89	14,461,029.16	1,732,066.63	39.81910133	-80.67359824
13,700.00	89.00	150.07	6,840.60	-3,618.43	-188.01	14,460,942.51	1,732,116.52	39.81886286	-80.67342171
13,800.00	89.00	150.07	6,842.35	-3,705.08	-138.13	14,460,855.86	1,732,166.40	39.81862440	-80.67324518
13,900.00	89.00	150.07	6,844.09	-3,791.73	-88.24	14,460,769.21	1,732,216.29	39.81838593	-80.67306865
14,000.00	89.00	150.07	6,845.84	-3,878.38	-38.36	14,460,682.56	1,732,266.17	39.81814747	-80.67289213
14,100.00	89.00	150.07	6,847.59	-3,965.03	11.53	14,460,595.91	1,732,316.06	39.81790900	-80.67271560
14,200.00	89.00	150.07	6,849.33	-4,051.69	61.41	14,460,509.26	1,732,365.94	39.81767054	-80.67253908
14,300.00	89.00	150.07	6,851.08	-4,138.34	111.30	14,460,422.60	1,732,415.83	39.81743207	-80.67236256
14,400.00	89.00	150.07	6,852.83	-4,224.99	161.18	14,460,335.95	1,732,465.71	39.81719360	-80.67218604
14,500.00	89.00	150.07	6,854.58	-4,311.64	211.07	14,460,249.30	1,732,515.59	39.81695514	-80.67200952
14,600.00	89.00	150.07	6,856.32	-4,398.29	260.95	14,460,162.65	1,732,565.48	39.81671667	-80.67183300
14,700.00	89.00	150.07	6,858.07	-4,484.94	310.84	14,460,076.00	1,732,615.36	39.81647820	-80.67165648
14,800.00	89.00	150.07	6,859.82	-4,571.59	360.72	14,459,989.35	1,732,665.25	39.81623973	-80.67147997
14,900.00	89.00	150.07	6,861.56	-4,658.25	410.60	14,459,902.70	1,732,715.13	39.81600127	-80.67130345
15,000.00	89.00	150.07	6,863.31	-4,744.90	460.49	14,459,816.05	1,732,765.02	39.81576280	-80.67112694
15,100.00	89.00	150.07	6,865.06	-4,831.55	510.37	14,459,729.39	1,732,814.90	39.81552433	-80.67095043
15,200.00	89.00	150.07	6,866.80	-4,918.20	560.26	14,459,642.74	1,732,864.79	39.81528586	-80.67077392

Planning Report - Geographic

Database: Win10Lt_Dec2820_v16
 Company: Tug Hill Operating LLC
 Project: Marshall County, West Virginia
 Site: Hudson Alt North
 Well: Hudson S-02 HM (slot E)
 Wellbore: Original Hole
 Design: rev5

Local Co-ordinate Reference: Well Hudson S-02 HM (slot E)
 TVD Reference: GL @ 1346.00ft
 MD Reference: GL @ 1346.00ft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,300.00	89.00	150.07	6,868.55	-5,004.85	610.14	14,459,556.09	1,732,914.67	39.81504739	-80.67059741
15,400.00	89.00	150.07	6,870.30	-5,091.50	660.03	14,459,469.44	1,732,964.55	39.81480892	-80.67042090
15,500.00	89.00	150.07	6,872.04	-5,178.16	709.91	14,459,382.79	1,733,014.44	39.81457045	-80.67024439
15,600.00	89.00	150.07	6,873.79	-5,264.81	759.80	14,459,296.14	1,733,064.32	39.81433198	-80.67006788
15,700.00	89.00	150.07	6,875.54	-5,351.46	809.68	14,459,209.49	1,733,114.21	39.81409351	-80.66989138
15,800.00	89.00	150.07	6,877.28	-5,438.11	859.57	14,459,122.83	1,733,164.09	39.81385504	-80.66971488
15,900.00	89.00	150.07	6,879.03	-5,524.76	909.45	14,459,036.18	1,733,213.98	39.81361657	-80.66953837
16,000.00	89.00	150.07	6,880.78	-5,611.41	959.33	14,458,949.53	1,733,263.86	39.81337810	-80.66936187
16,100.00	89.00	150.07	6,882.52	-5,698.06	1,009.22	14,458,862.88	1,733,313.75	39.81313963	-80.66918537
16,200.00	89.00	150.07	6,884.27	-5,784.72	1,059.10	14,458,776.23	1,733,363.63	39.81290116	-80.66900887
16,300.00	89.00	150.07	6,886.02	-5,871.37	1,108.99	14,458,689.58	1,733,413.51	39.81266269	-80.66883238
16,400.00	89.00	150.07	6,887.76	-5,958.02	1,158.87	14,458,602.93	1,733,463.40	39.81242421	-80.66865588
16,500.00	89.00	150.07	6,889.51	-6,044.67	1,208.76	14,458,516.28	1,733,513.28	39.81218574	-80.66847938
16,600.00	89.00	150.07	6,891.26	-6,131.32	1,258.64	14,458,429.62	1,733,563.17	39.81194727	-80.66830289
16,700.00	89.00	150.07	6,893.00	-6,217.97	1,308.53	14,458,342.97	1,733,613.05	39.81170879	-80.66812640
16,800.00	89.00	150.07	6,894.75	-6,304.62	1,358.41	14,458,256.32	1,733,662.94	39.81147032	-80.66794991
16,900.00	89.00	150.07	6,896.50	-6,391.28	1,408.30	14,458,169.67	1,733,712.82	39.81123185	-80.66777342
17,000.00	89.00	150.07	6,898.24	-6,477.93	1,458.18	14,458,083.02	1,733,762.71	39.81099337	-80.66759693
17,100.00	89.00	150.07	6,899.99	-6,564.58	1,508.06	14,457,996.37	1,733,812.59	39.81075490	-80.66742044
17,200.00	89.00	150.07	6,901.74	-6,651.23	1,557.95	14,457,909.72	1,733,862.47	39.81051643	-80.66724395
17,300.00	89.00	150.07	6,903.48	-6,737.88	1,607.83	14,457,823.07	1,733,912.36	39.81027795	-80.66706747
17,400.00	89.00	150.07	6,905.23	-6,824.53	1,657.72	14,457,736.41	1,733,962.24	39.81003948	-80.66689098
17,500.00	89.00	150.07	6,906.98	-6,911.18	1,707.60	14,457,649.76	1,734,012.13	39.80980100	-80.66671450
17,600.00	89.00	150.07	6,908.72	-6,997.84	1,757.49	14,457,563.11	1,734,062.01	39.80956253	-80.66653802
17,700.00	89.00	150.07	6,910.47	-7,084.49	1,807.37	14,457,476.46	1,734,111.90	39.80932405	-80.66636154
17,800.00	89.00	150.07	6,912.22	-7,171.14	1,857.26	14,457,389.81	1,734,161.78	39.80908557	-80.66618506
17,900.00	89.00	150.07	6,913.96	-7,257.79	1,907.14	14,457,303.16	1,734,211.67	39.80884710	-80.66600858
18,000.00	89.00	150.07	6,915.71	-7,344.44	1,957.03	14,457,216.51	1,734,261.55	39.80860862	-80.66583210
18,100.00	89.00	150.07	6,917.46	-7,431.09	2,006.91	14,457,129.85	1,734,311.43	39.80837015	-80.66565563
18,200.00	89.00	150.07	6,919.20	-7,517.75	2,056.80	14,457,043.20	1,734,361.32	39.80813167	-80.66547915
18,300.00	89.00	150.07	6,920.95	-7,604.40	2,106.68	14,456,956.55	1,734,411.20	39.80789319	-80.66530268
18,400.00	89.00	150.07	6,922.70	-7,691.05	2,156.56	14,456,869.90	1,734,461.09	39.80765471	-80.66512621
18,500.00	89.00	150.07	6,924.45	-7,777.70	2,206.45	14,456,783.25	1,734,510.97	39.80741624	-80.66494974
18,600.00	89.00	150.07	6,926.19	-7,864.35	2,256.33	14,456,696.60	1,734,560.86	39.80717776	-80.66477327
18,700.00	89.00	150.07	6,927.94	-7,951.00	2,306.22	14,456,609.95	1,734,610.74	39.80693928	-80.66459680
18,800.00	89.00	150.07	6,929.69	-8,037.65	2,356.10	14,456,523.30	1,734,660.63	39.80670080	-80.66442033
18,900.00	89.00	150.07	6,931.43	-8,124.31	2,405.99	14,456,436.64	1,734,710.51	39.80646232	-80.66424387
19,000.00	89.00	150.07	6,933.18	-8,210.96	2,455.87	14,456,349.99	1,734,760.39	39.80622384	-80.66406740
19,100.00	89.00	150.07	6,934.93	-8,297.61	2,505.76	14,456,263.34	1,734,810.28	39.80598536	-80.66389094
19,200.00	89.00	150.07	6,936.67	-8,384.26	2,555.64	14,456,176.69	1,734,860.16	39.80574688	-80.66371448
19,300.00	89.00	150.07	6,938.42	-8,470.91	2,605.53	14,456,090.04	1,734,910.05	39.80550840	-80.66353802
19,400.00	89.00	150.07	6,940.17	-8,557.56	2,655.41	14,456,003.39	1,734,959.93	39.80526992	-80.66336156
19,500.00	89.00	150.07	6,941.91	-8,644.21	2,705.29	14,455,916.74	1,735,009.82	39.80503144	-80.66318510
19,600.00	89.00	150.07	6,943.66	-8,730.87	2,755.18	14,455,830.08	1,735,059.70	39.80479296	-80.66300864
19,700.00	89.00	150.07	6,945.41	-8,817.52	2,805.06	14,455,743.43	1,735,109.59	39.80455448	-80.66283218
19,800.00	89.00	150.07	6,947.15	-8,904.17	2,854.95	14,455,656.78	1,735,159.47	39.80431600	-80.66265573
19,900.00	89.00	150.07	6,948.90	-8,990.82	2,904.83	14,455,570.13	1,735,209.35	39.80407752	-80.66247927
20,000.00	89.00	150.07	6,950.65	-9,077.47	2,954.72	14,455,483.48	1,735,259.24	39.80383903	-80.66230282
20,100.00	89.00	150.07	6,952.39	-9,164.12	3,004.60	14,455,396.83	1,735,309.12	39.80360055	-80.66212637
20,200.00	89.00	150.07	6,954.14	-9,250.77	3,054.49	14,455,310.18	1,735,359.01	39.80336207	-80.66194992
20,300.00	89.00	150.07	6,955.89	-9,337.43	3,104.37	14,455,223.53	1,735,408.89	39.80312359	-80.66177347
20,400.00	89.00	150.07	6,957.63	-9,424.08	3,154.26	14,455,136.87	1,735,458.78	39.80288510	-80.66159702
20,500.00	89.00	150.07	6,959.38	-9,510.73	3,204.14	14,455,050.22	1,735,508.66	39.80264662	-80.66142058
20,600.00	89.00	150.07	6,961.13	-9,597.38	3,254.02	14,454,963.57	1,735,558.55	39.80240814	-80.66124413
20,700.00	89.00	150.07	6,962.87	-9,684.03	3,303.91	14,454,876.92	1,735,608.43	39.80216965	-80.66106769

Planning Report - Geographic

Database: Win10Lt_Dec2820_v16
Company: Tug Hill Operating LLC
Project: Marshall County, West Virginia
Site: Hudson Alt North
Well: Hudson S-02 HM (slot E)
Wellbore: Original Hole
Design: rev5

Local Co-ordinate Reference: Well Hudson S-02 HM (slot E)
TVD Reference: GL @ 1346.00ft
MD Reference: GL @ 1346.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
20,800.00	89.00	150.07	6,964.62	-9,770.68	3,353.79	14,454,790.27	1,735,658.31	39.80193117	-80.66089125
20,900.00	89.00	150.07	6,966.37	-9,857.34	3,403.68	14,454,703.62	1,735,708.20	39.80169268	-80.66071480
21,000.00	89.00	150.07	6,968.11	-9,943.99	3,453.56	14,454,616.97	1,735,758.08	39.80145420	-80.66053836
21,100.00	89.00	150.07	6,969.86	-10,030.64	3,503.45	14,454,530.32	1,735,807.97	39.80121571	-80.66036192
21,200.00	89.00	150.07	6,971.61	-10,117.29	3,553.33	14,454,443.66	1,735,857.85	39.80097723	-80.66018549
21,300.00	89.00	150.07	6,973.35	-10,203.94	3,603.22	14,454,357.01	1,735,907.74	39.80073874	-80.66000905
21,400.00	89.00	150.07	6,975.10	-10,290.59	3,653.10	14,454,270.36	1,735,957.62	39.80050026	-80.65983261
21,500.00	89.00	150.07	6,976.85	-10,377.24	3,702.99	14,454,183.71	1,736,007.51	39.80028177	-80.65965618
21,600.00	89.00	150.07	6,978.59	-10,463.90	3,752.87	14,454,097.06	1,736,057.39	39.80002329	-80.65947975
21,608.92	89.00	150.07	6,978.75	-10,471.63	3,757.32	14,454,089.33	1,736,061.84	39.80000201	-80.65946401

PBHL/TD 21608.92 MD 6978.75 TVD

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 02HM LP r1 - plan misses target center by 16.30ft at 8324.68ft MD (6746.62 TVD, 1039.39 N, -2869.43 E) - Point	0.00	0.00	6,747.00	1,031.44	-2,883.66	14,465,592.37	1,729,420.88	39.83165909	-80.68296310
Hudson 02HM PBHL r3 - plan hits target center - Point	0.00	0.00	6,978.75	-10,471.63	3,757.32	14,454,089.33	1,736,061.84	39.80000200	-80.65946400

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
1,401.75	1,401.75	0.00	0.00	KOP Begin 3°/100' build
2,784.64	2,666.93	247.50	-410.30	Begin 41.49° tangent
6,886.84	5,739.92	1,651.17	-2,737.19	Begin 8°/100' build/turn
7,904.49	6,597.55	1,396.87	-3,006.44	Begin 10°/100' build/turn
8,335.35	6,746.89	1,030.12	-2,864.14	Begin 89.00° lateral
21,608.92	6,978.75	-10,471.63	3,757.32	PBHL/TD 21608.92 MD 6978.75 TVD



TUG HILL
OPERATING

Well Site Safety Plan
Part A – Site Specific Data and Figures

Well Name: Hudson S-2HM
Pad Name: Hudson

County: Marshall

UTM (meters), NAD83, Zone 17
Northing: 4,408,806.99
Easting: 528,007.48


5-17-22

**KEY CONTACT FOR WELL SITE SAFETY PLAN
DEVELOPMENT AND MAINTENANCE**

Jerry V. DeRosa, Director EH&S Affairs
(724) 338-2029 (office)
(412) 736-5767 (cellular)

24-HOUR EMERGENCY PHONE NUMBER
(800) 921-9745

RECEIVED
Office of Oil and Gas

JUN 06 2022

WV Department of
Environmental Protection

07/01/2022

**HUDSON S
WELL 2HM
TUG HILL OPERATING**

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

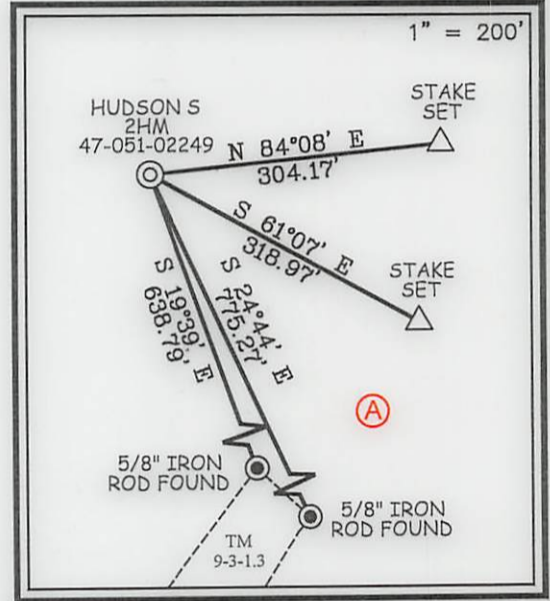
T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°37'30"

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
9-5-6	NANCY L. SNYDER (LIFE ESTATE)	82.858
9-5-6.1	JON B. CRAWFORD	4.679
9-5-6.9	CNX LAND CO. LLC	22.39
9-5-7	ME CHURCH	81.5 POLES (6 AC. ASSD)
9-5-8.1	ISACC McKINNEY, ET UX	2.875
9-5-11.1	MARK H. FOX	2.619
9-5-11.2	LARRY WHETZEL, JR.	2.355
9-5-11.3	MARK H. FOX	1.94
9-5-12	LARRY WHETZEL, JR.	1.00
9-5-13	SHELLY ANN JORDAN	5.51
9-5-14.1	SAVANNA N & MATTHEW WEST	2.819
9-7-9	CNX LAND CO. LLC	2.00
9-7-10	DONALD M. & THERESA L. HARRIS	3.00
9-7-11.1	WV DEPT. OF HIGHWAYS	3.63
9-7-27	LOGAN M TOLER & ASHLEY N. BERARDI	1.005
9-7-28	VICTOR & CLAIRE CAMERON	1.983
9-7-28.1	NATHAN WILLIAMS	2.768
9-7-29.1	LOGAN M TOLER & ASHLEY N. BERARDI	5.004
9-8-1	CNX LAND CO. LLC	2.908
9-8-2	CNX LAND CO. LLC	6000 SQ. FT.

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

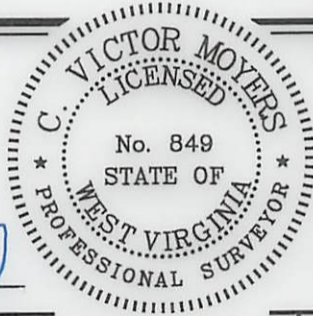
NAD'83 S.P.C.(FT)	N. 486,140.15	E. 1,639,159.21
NAD'83 GEO.	LAT-(N) 39.828798	LONG-(W) 80.672705
NAD'83 UTM (M)	N. 4,408,806.99	E. 528,007.48
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 487,218.4	E. 1,636,311.7
NAD'83 GEO.	LAT-(N) 39.831655	LONG-(W) 80.682894
NAD'83 UTM (M)	N. 4,409,121.0	E. 527,134.5
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 475,603.7	E. 1,642,742.2
NAD'83 GEO.	LAT-(N) 39.800002	LONG-(W) 80.659464
NAD'83 UTM (M)	N. 4,405,615.2	E. 529,152.7

REFERENCES



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
 slswv.com

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 *C. Victor Moyers*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JUNE 14, 20 19
 REVISED FEBRUARY 22, 20 21
 OPERATORS WELL NO. HUDSON S-2HM MOD
 API WELL NO. 47 - 051 - 02249
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8911P2HMR.dwg
HUDSON S-2HM REV5
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,346.26' WATERSHED GRAVE CREEK (HUC 10)
 DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'
 SURFACE OWNER CNX LAND LLC ACREAGE 106.935±
 ROYALTY OWNER CHARLENE L. BAKER, ET AL ACREAGE 106.935±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH TVD: 6,865' / TMD: 21,609'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS CT CORPORATION SYSTEM
FORT WORTH, TX 76107 ADDRESS 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

COUNTY NAME
 PERMIT

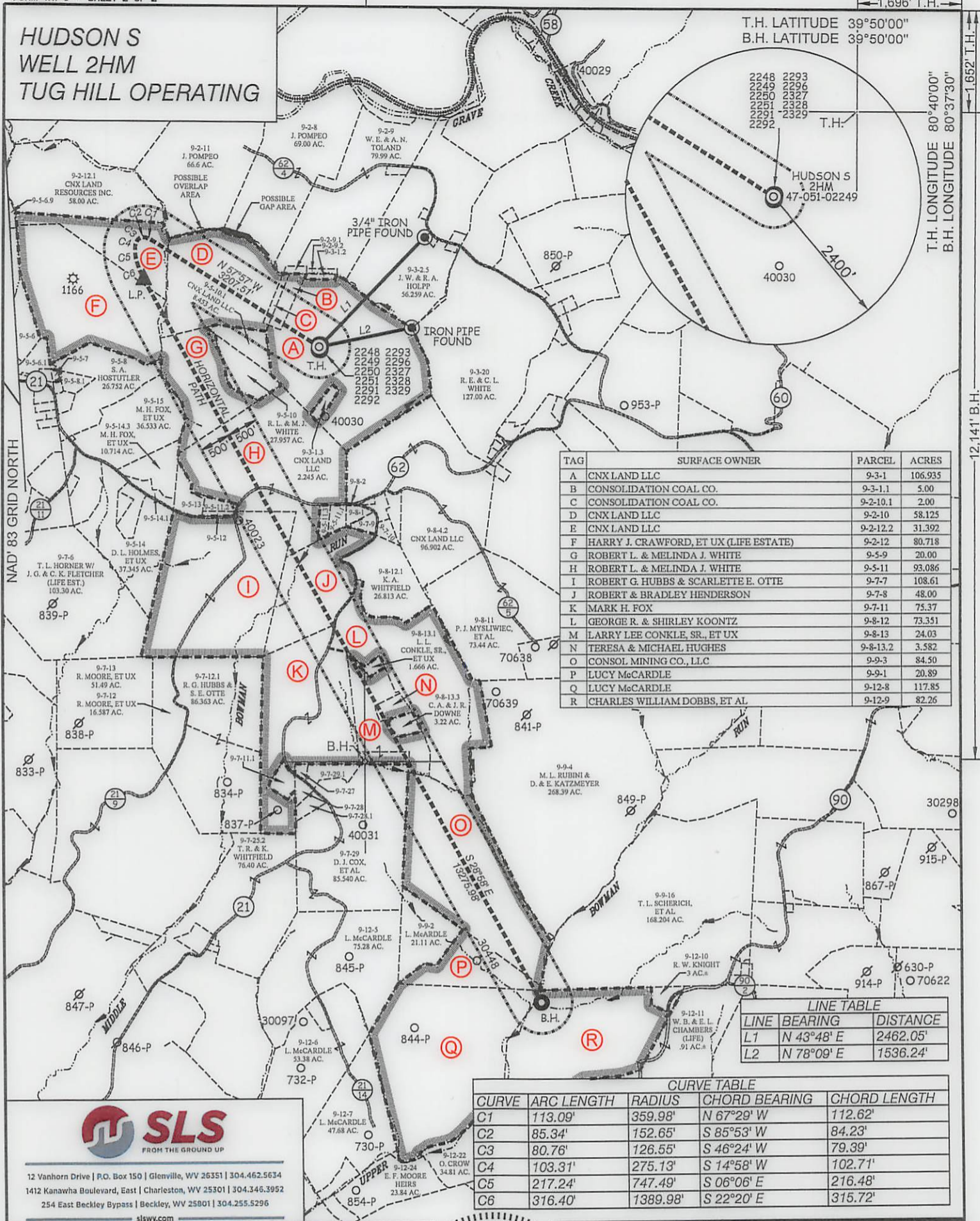
**HUDSON S
WELL 2HM
TUG HILL OPERATING**

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

T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°37'30"

NAD'83 GRID NORTH

12,141' B.H.



TAG	SURFACE OWNER	PARCEL	ACRES
A	CNX LAND LLC	9-3-1	106.935
B	CONSOLIDATION COAL CO.	9-3-1.1	5.00
C	CONSOLIDATION COAL CO.	9-2-10.1	2.00
D	CNX LAND LLC	9-2-10	58.125
E	CNX LAND LLC	9-2-12.2	31.392
F	HARRY J. CRAWFORD, ET UX (LIFE ESTATE)	9-2-12	80.718
G	ROBERT L. & MELINDA J. WHITE	9-5-9	20.00
H	ROBERT L. & MELINDA J. WHITE	9-5-11	93.086
I	ROBERT G. HUBBS & SCARLETTE E. OTTE	9-7-7	108.61
J	ROBERT & BRADLEY HENDERSON	9-7-8	48.00
K	MARK H. FOX	9-7-11	75.37
L	GEORGE R. & SHIRLEY KOONTZ	9-8-12	73.351
M	LARRY LEE CONKLE, SR., ET UX	9-8-13	24.03
N	TERESA & MICHAEL HUGHES	9-8-13.2	3.582
O	CONSOL MINING CO., LLC	9-9-3	84.50
P	LUCY McCARDLE	9-9-1	20.89
Q	LUCY McCARDLE	9-12-8	117.85
R	CHARLES WILLIAM DOBBS, ET AL	9-12-9	82.26

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 43°48' E	2462.05'
L2	N 78°09' E	1536.24'

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	113.09'	359.98'	N 67°29' W	112.62'
C2	85.34'	152.65'	S 85°53' W	84.23'
C3	80.76'	126.55'	S 46°24' W	79.39'
C4	103.31'	275.13'	S 14°58' W	102.71'
C5	217.24'	747.49'	S 06°06' E	216.48'
C6	316.40'	1389.98'	S 22°20' E	315.72'

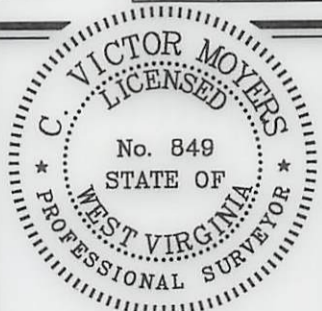


12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
NAD'83 S.P.C.(FT) N. 486,140.15 E. 1,639,159.21
NAD'83 GEO. LAT-(N) 39.828798 LONG-(W) 80.672705
NAD'83 UTM (M) N. 4,408,806.99 E. 528,007.48

LANDING POINT
NAD'83 S.P.C.(FT) N. 487,218.4 E. 1,636,311.7
NAD'83 GEO. LAT-(N) 39.831655 LONG-(W) 80.682894
NAD'83 UTM (M) N. 4,409,121.0 E. 527,134.5

BOTTOM HOLE
NAD'83 S.P.C.(FT) N. 475,603.7 E. 1,642,742.2
NAD'83 GEO. LAT-(N) 39.800002 LONG-(W) 80.659464
NAD'83 UTM (M) N. 4,405,615.2 E. 529,152.7



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

P.S. 849 *C. Victor Moyers*

LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP-PARCEL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-6A1)

SCALE 1" = 2000' FILE NO. 8911P2HMR.dwg
HUDSON S-2HM REV5

DATE JUNE 14, 20 19
REVISED FEBRUARY 22, 20 21

OPERATORS WELL NO. HUDSON S-2HM
API WELL NO. 47 - 051 - 02249
NO. STATE COUNTY PERMIT

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

M3D

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

WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107

COUNTY NAME PERMIT

07/01/2022

**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

**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. Morris *Amy Morris*
 Its: Permitting Specialist - Appalachia Region

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment			
10*26041	9-3-1	A	FREDDIE C WHITE AND VIOLET L WHITE	CHESAPEAKE APPALACHIA LLC	1/8+	728 527	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chesapeake Appalachia LLC to Statoil USA Onshore Properties: 27/386	Statoil Onshore Properties Inc to Chevron USA Inc: 30/427	Chesapeake Appalachia LLC to Chevron USA Inc: 30/461	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95	
10*26044	9-3-1	A	JOYCE A WALLACE	CHEVRON USA INC	1/8+	863 296	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95	
10*26047	9-3-1	A	ROBERT D BLAKE AND ATHENA LIBERTY BLAKE	CHEVRON USA INC	1/8+	863 138	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26048	9-3-1	A	LOIS J ELIAS AND LOUIS J ELIAS	CHEVRON USA INC	1/8+	861 599	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26049	9-3-1	A	MARY H HUBBS	CHEVRON USA INC	1/8+	863 560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26050	9-3-1	A	BERNARD O CROW AND KAREN S CROW	CHEVRON USA INC	1/8+	863 627	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26051	9-3-1	A	ROBERT W KIDNER	CHEVRON USA INC	1/8+	863 644	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26052	9-3-1	A	BETTY J BLAKE	CHEVRON USA INC	1/8+	863 545	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26057	9-3-1	A	JOHN PURDY AND BRENDA S PURDY	CHEVRON USA INC	1/8+	854 420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26058	9-3-1	A	CAROLE J WOOD	CHEVRON USA INC	1/8+	854 415	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

RECEIVED
Office of Oil and Gas
JUN 06 2022
WV Department of
Environmental Protection

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26059	9-3-1	A	TERRY L BLAKE	CHEVRON USA INC	1/8+	854	215	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26060	9-3-1	A	ROBERT C BLAKE AND LYN BLAKE	CHEVRON USA INC	1/8+	854	333	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26061	9-3-1	A	RODNEY W AND LINDA L HUBBS	CHEVRON USA INC	1/8+	854	435	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26062	9-3-1	A	SHANNON ROGER AND LORRAINE HUBBS	CHEVRON USA INC	1/8+	854	233	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26063	9-3-1	A	PATTY L RINE AND FLOYD D RINE	CHEVRON USA INC	1/8+	854	238	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26064	9-3-1	A	CATHARINE LEE BLAKE	CHEVRON USA INC	1/8+	863	550	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26066	9-3-1	A	DANNY E AND MARVA L BEYSER	CHEVRON USA INC	1/8+	858	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26067	9-3-1	A	DONALD DEAN BEYSER	CHEVRON USA INC	1/8+	858	41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26068	9-3-1	A	GARY F BLAKE AND DORIS E BLAKE	CHEVRON USA INC	1/8+	858	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26069	9-3-1	A	MARILYN SUE REILLEY	CHEVRON USA INC	1/8+	857	597	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26081	9-3-1	A	CYNTHIA JEAN AND EDDIE W WILSON	CHEVRON USA INC	1/8+	861 545	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26082	9-3-1	A	BRIAN C AND SARA M LUTZ	CHEVRON USA INC	1/8+	861 550	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26083	9-3-1	A	WILLIAM S BLAKE JR	CHEVRON USA INC	1/8+	861 535	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26084	9-3-1	A	CYNTHIA A AND JAMES O DAVIDSON	CHEVRON USA INC	1/8+	889 46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26085	9-3-1	A	CLYDE R AND JANA HIGGINS	CHEVRON USA INC	1/8+	861 508	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26086	9-3-1	A	DELMAS W AND ROSE HIGGINS	CHEVRON USA INC	1/8+	861 503	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26087	9-3-1	A	JERRY L AND DENISE HIGGINS	CHEVRON USA INC	1/8+	861 526	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26088	9-3-1	A	SHIRL W AND DORIS HIGGINS	CHEVRON USA INC	1/8+	861 540	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26089	9-3-1	A	ALVA L AND SHIRLEY HIGGINS	CHEVRON USA INC	1/8+	861 521	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26090	9-3-1	A	H DEAN AND KAREN HIGGINS	CHEVRON USA INC	1/8+	861 516	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26070	9-3-1	A	MARY W HOLMES	CHEVRON USA INC	1/8+	857	602	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26071	9-3-1	A	CHARLENE LORRAINE BAKER	CHEVRON USA INC	1/8+	857	607	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26072	9-3-1	A	JAMES L BLAKE	CHEVRON USA INC	1/8+	857	616	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26073	9-3-1	A	DARLENE L BEYSER	CHEVRON USA INC	1/8+	860	176	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26075	9-3-1	A	BETTY JOANN CECIL	CHEVRON USA INC	1/8+	860	119	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26076	9-3-1	A	DORIS IMOGENE GARRISON	CHEVRON USA INC	1/8+	860	114	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26077	9-3-1	A	DOROTHY J AND ROBERT M BLAKE	CHEVRON USA INC	1/8+	860	104	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26078	9-3-1	A	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	860	228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26079	9-3-1	A	MARY O'DESSA HARRIS LOUDEN	CHEVRON USA INC	1/8+	860	109	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26080	9-3-1	A	SHARON DIANE HOLMES JAHN AND WILLIAM HENRY JAHN III	CHEVRON USA INC	1/8+	860	217	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26091	9-3-1	A	JOELENE M MANN	CHEVRON USA INC	1/8+	864	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26092	9-3-1	A	SHAWN J AND SARAH E CREWS	CHEVRON USA INC	1/8+	864	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26093	9-3-1	A	JOYCE HOLMES CONE AND WILLIAM CONE	CHEVRON USA INC	1/8+	861	493	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26094	9-3-1	A	MARK L CURRY	CHEVRON USA INC	1/8+	865	102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26095	9-3-1	A	CHRISTINA C MUNSON	CHEVRON USA INC	1/8+	865	107	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26097	9-3-1	A	DAVID L BEYSER	CHEVRON USA INC	1/8+	865	173	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26098	9-3-1	A	KIMBERLY J HOLDER	CHEVRON USA INC	1/8+	867	87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26099	9-3-1	A	CAROL TROWBRIDGE ET VIR	CHEVRON USA INC	1/8+	866	138	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26100	9-3-1	A	JOSEPH L AND ROSE MARIE MAUPIN	CHEVRON USA INC	1/8+	866	67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26120	9-3-1	A	JAMES D AND LINDA D YOCUM	CHEVRON USA INC	1/8+	884	635	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26121	9-3-1	A	BETTY BRYNER	CHEVRON USA INC	1/8+	871 64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26236	9-3-1	A	GERALD W QUIGLEY AND VICKI L QUIGLEY	CHEVRON USA INC	1/8+	884 50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26237	9-3-1	A	FREDA L CAMPBELL	CHEVRON USA INC	1/8+	889 40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26238	9-3-1	A	MARSHA L MERCER	CHEVRON USA INC	1/8+	883 639	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26287	9-3-1	A	IVAN R AND MARY A BLAKE	CHEVRON USA INC	1/8+	888 542	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26288	9-3-1	A	REBECCA J BLAKE	CHEVRON USA INC	1/8+	888 571	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26289	9-3-1	A	DUANETTA B BLAKE FROMHART	CHEVRON USA INC	1/8+	888 574	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26291	9-3-1	A	BARBARA A BLAKE MASON	CHEVRON USA INC	1/8+	901 125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26292	9-3-1	A	JUDITH L BLAKE	CHEVRON USA INC	1/8+	882 329	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26293	9-3-1	A	JAY C CURRY	CHEVRON USA INC	1/8+	882 433	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26294	9-3-1	A	JOAN A GIEGER	CHEVRON USA INC	1/8+	880 509	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26295	9-3-1	A	ARTHUR LEE WARYCK	CHEVRON USA INC	1/8+	880 512	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26296	9-3-1	A	CARL G CALDWELL	CHEVRON USA INC	1/8+	883 530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26297	9-3-1	A	DIANA L MCKINNEY	CHEVRON USA INC	1/8+	885 560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26298	9-3-1	A	JANE HENDRICKSON	CHEVRON USA INC	1/8+	886 429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26299	9-3-1	A	BETTY WILKINSON DANIEL A MCVANE AIF	CHEVRON USA INC	1/8+	886 432	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26300	9-3-1	A	JILL LORI HENNER BARNETT	CHEVRON USA INC	1/8+	886 439	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*27180	9-3-1	A	TAMALA SCOLLIK	TH EXPLORATION LLC	1/8+	1053 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*27181	9-3-1	A	CRYSTAL THOMAS	TH EXPLORATION LLC	1/8+	1052 648	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*27703	9-3-1	A	DOROTHY MAXINE MOORE TRUST	TH EXPLORATION LLC	1/8+	1061 255	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*26044	9-3-1.1	B	JOYCE A WALLACE	CHEVRON USA INC	1/8+	863 296	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26047	9-3-1.1	B	ROBERT D BLAKE AND ATHENA LIBERTY BLAKE	CHEVRON USA INC	1/8+	863 138	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26048	9-3-1.1	B	LOIS J ELIAS AND LOUIS J ELIAS	CHEVRON USA INC	1/8+	861 599	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26049	9-3-1.1	B	MARY H HUBBS	CHEVRON USA INC	1/8+	863 560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26050	9-3-1.1	B	BERNARD O CROW AND KAREN S CROW	CHEVRON USA INC	1/8+	863 627	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26051	9-3-1.1	B	ROBERT W KIDNER	CHEVRON USA INC	1/8+	863 644	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26052	9-3-1.1	B	BETTY J BLAKE	CHEVRON USA INC	1/8+	863 545	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26057	9-3-1.1	B	JOHN PURDY AND BRENDA S PURDY	CHEVRON USA INC	1/8+	854 420	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26058	9-3-1.1	B	CAROLE J WOOD	CHEVRON USA INC	1/8+	854 415	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26059	9-3-1.1	B	TERRY L BLAKE	CHEVRON USA INC	1/8+	854 215	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26060	9-3-1.1	B	ROBERT C BLAKE AND LYN BLAKE	CHEVRON USA INC	1/8+	854 333	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26061	9-3-1.1	B	RODNEY W AND LINDA L HUBBS	CHEVRON USA INC	1/8+	854 435	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26062	9-3-1.1	B	SHANNON ROGER AND LORRAINE HUBBS	CHEVRON USA INC	1/8+	854 233	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26063	9-3-1.1	B	PATTY L RINE AND FLOYD D RINE	CHEVRON USA INC	1/8+	854 238	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26064	9-3-1.1	B	CATHARINE LEE BLAKE	CHEVRON USA INC	1/8+	863 550	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26065	9-3-1.1	B	DANNY E AND MARVA L BEYSER	CHEVRON USA INC	1/8+	858 36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26067	9-3-1.1	B	DONALD DEAN BEYSER	CHEVRON USA INC	1/8+	858 41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26068	9-3-1.1	B	GARY F BLAKE AND DORIS E BLAKE	CHEVRON USA INC	1/8+	858 31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26069	9-3-1.1	B	MARILYN SUE REILLEY	CHEVRON USA INC	1/8+	857 597	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26070	9-3-1.1	B	MARY W HOLMES	CHEVRON USA INC	1/8+	857 602	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26071	9-3-1.1	B	CHARLENE LORRAINE BAKER	CHEVRON USA INC	1/8+	857 607	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26072	9-3-1.1	B	JAMES L BLAKE	CHEVRON USA INC	1/8+	857 616	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

RECEIVED
Office of Oil and Gas
JUN 06 2012
WV Department of
Environmental Protection

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26073	9-3-1.1	B	DARLENE L BEYSER	CHEVRON USA INC	1/8+	860 176	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26075	9-3-1.1	B	BETTY JOANN CECIL	CHEVRON USA INC	1/8+	860 119	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26076	9-3-1.1	B	DORIS IMOGENE GARRISON	CHEVRON USA INC	1/8+	860 114	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26077	9-3-1.1	B	DOROTHY J AND ROBERT M BLAKE	CHEVRON USA INC	1/8+	860 104	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26078	9-3-1.1	B	VELMA RUTH HARRIS	CHEVRON USA INC	1/8+	860 228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26079	9-3-1.1	B	MARY O'DESSA HARRIS LOUDEN	CHEVRON USA INC	1/8+	860 109	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26080	9-3-1.1	B	SHARON DIANE HOLMES JAHN AND WILLIAM HENRY JAHN III	CHEVRON USA INC	1/8+	860 217	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26081	9-3-1.1	B	CYNTHIA JEAN AND EDDIE W WILSON	CHEVRON USA INC	1/8+	861 545	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26082	9-3-1.1	B	BRIAN C AND SARA M LUTZ	CHEVRON USA INC	1/8+	861 550	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26083	9-3-1.1	B	WILLIAM S BLAKE JR	CHEVRON USA INC	1/8+	861 535	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26084	9-3-1.1	B	CYNTHIA A AND JAMES O DAVIDSON	CHEVRON USA INC	1/8+	889	46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26085	9-3-1.1	B	CLYDE R AND JANA HIGGINS	CHEVRON USA INC	1/8+	861	508	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26086	9-3-1.1	B	DELMAS W AND ROSE HIGGINS	CHEVRON USA INC	1/8+	861	503	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26087	9-3-1.1	B	JERRY L AND DENISE HIGGINS	CHEVRON USA INC	1/8+	861	526	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26088	9-3-1.1	B	SHIRL W AND DORIS HIGGINS	CHEVRON USA INC	1/8+	861	540	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26089	9-3-1.1	B	ALVA L AND SHIRLEY HIGGINS	CHEVRON USA INC	1/8+	861	521	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26090	9-3-1.1	B	H DEAN AND KAREN HIGGINS	CHEVRON USA INC	1/8+	861	516	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26091	9-3-1.1	B	JOELENE M MANN	CHEVRON USA INC	1/8+	864	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26092	9-3-1.1	B	SHAWN J AND SARAH E CREWS	CHEVRON USA INC	1/8+	864	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26093	9-3-1.1	B	JOYCE HOLMES CONE AND WILLIAM CONE	CHEVRON USA INC	1/8+	861	493	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

RECEIVED
Office of Oil and Gas
JUN 06 2022
WV Department of
Environmental Protection

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26094	9-3-1.1	B	MARK L CURRY	CHEVRON USA INC	1/8+	865	102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26095	9-3-1.1	B	CHRISTINA C MUNSON	CHEVRON USA INC	1/8+	865	107	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26097	9-3-1.1	B	DAVID L BEYSER	CHEVRON USA INC	1/8+	865	173	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26098	9-3-1.1	B	KIMBERLY J HOLDER	CHEVRON USA INC	1/8+	867	87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26099	9-3-1.1	B	CAROL TROWBRIDGE ET VIR	CHEVRON USA INC	1/8+	866	138	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26100	9-3-1.1	B	JOSEPH L AND ROSE MARIE MAUPIN	CHEVRON USA INC	1/8+	866	67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26120	9-3-1.1	B	JAMES D AND LINDA D YOCUM	CHEVRON USA INC	1/8+	884	635	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26121	9-3-1.1	B	BETTY BRYNER	CHEVRON USA INC	1/8+	871	64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26236	9-3-1.1	B	GERALD W QUIGLEY AND VICKI L QUIGLEY	CHEVRON USA INC	1/8+	884	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26237	9-3-1.1	B	FREDA L CAMPBELL	CHEVRON USA INC	1/8+	889	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26238	9-3-1.1	B	MARSHA L MERCER	CHEVRON USA INC	1/8+	883	639	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26287	9-3-1.1	B	IVAN R AND MARY A BLAKE	CHEVRON USA INC	1/8+	888	542	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26288	9-3-1.1	B	REBECCA J BLAKE	CHEVRON USA INC	1/8+	888	571	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26289	9-3-1.1	B	DUANETTA B BLAKE FROMHART	CHEVRON USA INC	1/8+	888	574	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26291	9-3-1.1	B	BARBARA A BLAKE MASON	CHEVRON USA INC	1/8+	901	125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26292	9-3-1.1	B	JUDITH L BLAKE	CHEVRON USA INC	1/8+	882	329	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26293	9-3-1.1	B	JAY C CURRY	CHEVRON USA INC	1/8+	882	433	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26294	9-3-1.1	B	JOAN A GIEGER	CHEVRON USA INC	1/8+	880	509	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26295	9-3-1.1	B	ARTHUR LEE WARYCK	CHEVRON USA INC	1/8+	880	512	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26296	9-3-1.1	B	CARL G CALDWELL	CHEVRON USA INC	1/8+	883	530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26297	9-3-1.1	B	DIANA L MCKINNEY	CHEVRON USA INC	1/8+	885	560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26298	9-3-1.1	B	JANE HENDRICKSON	CHEVRON USA INC	1/8+	886	429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26299	9-3-1.1	B	BETTY WILKINSON DANIEL A MCVANE AIF	CHEVRON USA INC	1/8+	886	432	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26300	9-3-1.1	B	JILL LORI HENNER BARNETT	CHEVRON USA INC	1/8+	886	439	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26304	9-3-1.1	B	CNX GAS COMPANY LLC AND NOBLE ENERGY INC	CHEVRON USA INC	1/8+	888	521	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*27180	9-3-1.1	B	TAMALA SCOLLUCK	TH EXPLORATION LLC	1/8+	1053	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*27181	9-3-1.1	B	CRYSTAL THOMAS	TH EXPLORATION LLC	1/8+	1052	648	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*27703	9-3-1.1	B	DOROTHY MAXINE MOORE TRUST	TH EXPLORATION LLC	1/8+	1061	255	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*29767	9-3-1.1	B	HG ENERGY II APPALACHIA LLC	TH EXPLORATION LLC	1/8+	1100	79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*26304	9-2-10.1	C	CNX GAS COMPANY LLC AND NOBLE ENERGY INC	CHEVRON USA INC	1/8+	888	521	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*29767	9-2-10.1	C	HG ENERGY II APPALACHIA LLC	TH EXPLORATION LLC	1/8+	1100	79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*26001	9-2-10	D	FREDDIE C WHITE AND VIOLET L WHITE	TRIEnergy INC	1/8+	655	555	NA	NA	NA	TriEnergy Inc to AB Resources LLC: 19/623	AB Resources LLC to Chief Exploration & Development LLC: 666/40	TriEnergy Inc to TriEnergy Holdings LLC: 21/148	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 685/643	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 21/520	AB Resources LLC to Chief Exploration & Development LLC and Radler 2000 Limited Partnership: 24/319	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	TriEnergy Holdings LLC and TriEnergy Inc to Chevron USA Inc: 38/356	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26000	9-2-12.2	E	HARRY J CRAWFORD AND DONNA JEAN CRAWFORD, LIFE ESTATE, ET AL	TRIENERGY INC	1/8+	661	156	NA	NA	TriEnergy Inc to AB Resources LLC: 20/252	TriEnergy Inc to TriEnergy Holdings LLC: 21/148	AB Resources LLC to Chief Exploration & Development LLC and Radler 2000 Limited Partnership: 21/319	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 685/643	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 21/520	AB Resources LLC to Chief Exploration & Development LLC and Radler 2000 Limited Partnership: 24/319	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	AB Resources LLC to Chevron USA Inc: 756/397	TriEnergy Holdings LLC and TriEnergy Inc to Chevron USA Inc: 28/356	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26000	9-2-12	F	HARRY J CRAWFORD AND DONNA JEAN CRAWFORD, LIFE ESTATE, ET AL	TRIENERGY INC	1/8+	661	156	NA	NA	TriEnergy Inc to AB Resources LLC: 20/252	TriEnergy Inc to TriEnergy Holdings LLC: 21/148	AB Resources LLC to Chief Exploration & Development LLC and Radler 2000 Limited Partnership: 21/319	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 685/643	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 21/520	AB Resources LLC to Chief Exploration & Development LLC and Radler 2000 Limited Partnership: 24/319	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	AB Resources LLC to Chevron USA Inc: 756/397	TriEnergy Holdings LLC and TriEnergy Inc to Chevron USA Inc: 28/356	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26001	9-5-9	G	FREDDIE C WHITE AND VIOLET L WHITE	TRIENERGY INC	1/8+	655	555	NA	NA	TriEnergy Inc to AB Resources LLC: 19/623	AB Resources LLC to Chief Exploration & Development LLC: 666/40	TriEnergy Inc to TriEnergy Holdings LLC: 21/148	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 685/643	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 21/520	AB Resources LLC to Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship: 24/319	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	TriEnergy Holdings LLC and TriEnergy Inc to Chevron USA Inc: 38/356	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95	
10*24424	9-5-11	H	THE FAYE A SKOEN REVOCABLE TRUST	TH EXPLORATION LLC	1/8+	1024	291	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*24578	9-5-11	H	FRANK E WHITMAN JR AND GAYLE WHITMAN	TH EXPLORATION LLC	1/8+	1026	241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*24973	9-5-11	H	IVA K BONAR	TH EXPLORATION LLC	1/8+	1028	577	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*26001	9-5-11	H	FREDDIE C WHITE AND VIOLET L WHITE	TRIENERGY INC	1/8+	655	555	NA	NA	NA	TriEnergy Inc to AB Resources LLC: 19/623	AB Resources LLC to Chief Exploration & Development LLC: 666/40	TriEnergy Inc to TriEnergy Holdings LLC: 21/148	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 685/643	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 21/520	AB Resources LLC to Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship: 24/319	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	TriEnergy Holdings LLC and TriEnergy Inc to Chevron USA Inc: 38/356	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26096	9-5-11	H	GRACE LAURA BONAR	CHEVRON USA INC	1/8+	865	198	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26101	9-5-11	H	BARBARA LOIS HADLEY	CHEVRON USA INC	1/8+	868	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26102	9-5-11	H	AMBER ORTOLL	CHEVRON USA INC	1/8+	871 391	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26103	9-5-11	H	ROBERT GLENN BONAR	CHEVRON USA INC	1/8+	868 92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26104	9-5-11	H	JAMES MCPHERSON SCHILLING	CHEVRON USA INC	1/8+	868 202	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26105	9-5-11	H	LESTER D FAUST	CHEVRON USA INC	1/8+	870 560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26106	9-5-11	H	RICHARD CHRIS BOGATKO	CHEVRON USA INC	1/8+	870 557	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26128	9-5-11	H	WILLIAM A BRUNNER JR AND JOYCE A BRUNNER	CHEVRON USA INC	1/8+	888 30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26129	9-5-11	H	MARJORIE JARETTA FAUST	CHEVRON USA INC	1/8+	888 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26167	9-5-11	H	FRANK B DAY	CHEVRON USA INC	1/8+	871 583	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26201	9-5-11	H	IDEN SCOTT MCWHORTER	CHEVRON USA INC	1/8+	888 21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26202	9-5-11	H	LOTA JO MITCHELL AND DAVID S MITCHELL	CHEVRON USA INC	1/8+	888 27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95

RECEIVED
Office of Oil and Gas
JUN 06 2022
WV Department of
Environmental Protection

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*26306	9-5-11	H	DAVID L BONAR	CHEVRON USA INC	1/8+	890 475	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26308	9-5-11	H	HARRY A SALO AND BETTY A SALO	CHEVRON USA INC	1/8+	894 395	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26309	9-5-11	H	STEVEN ALAN ARMIGER	CHEVRON USA INC	1/8+	891 69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26310	9-5-11	H	KATHERINE ANN LUONGO FAIRBROTHER	CHEVRON USA INC	1/8+	901 38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26313	9-5-11	H	JOSEPH M DURINSKY	CHEVRON USA INC	1/8+	893 244	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26314	9-5-11	H	ROBIN KACHELE	CHEVRON USA INC	1/8+	893 180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26337	9-5-11	H	KATHLEEN ELAINE ALEXANDRA SHIREY	CHEVRON USA INC	1/8+	901 134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26345	9-5-11	H	SHARON LOUISE EVANS	CHEVRON USA INC	1/8+	915 597	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*26806	9-5-11	H	JASON R FREID	TH EXPLORATION LLC	1/8+	1045 457	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*27483	9-5-11	H	SARI FAUST	CHEVRON USA INC	1/8+	876 490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 44/357
10*27496	9-5-11	H	RICHARD SCOTT WILLIAMSON	CHEVRON USA INC	1/8+	888 24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 44/357

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	
10*27501	9-5-11	H	ELEANOR MARGO MORRIS	CHEVRON USA INC	1/8+	882 472	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 44/357
10*27502	9-5-11	H	BARBARA L BYRNE TRUSTEE OF THE JOINT REVOCABLE TRUST AGREEMENT DTD 5/23/2006	CHEVRON USA INC	1/8+	921 610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 44/357
10*27504	9-5-11	H	INTERNATIONAL WOMENS AIR AND SPACE MUSEUM INC	CHEVRON USA INC	1/8+	907 41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 44/357
10*27506	9-5-11	H	FREDERICK ALLEN FAUST	CHEVRON USA INC	1/8+	888 15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 44/357
10*27509	9-5-11	H	SANDRA MARIA PAPPA CYNTHIA CLAIR HOLSTEIN GUARDIAN	CHEVRON USA INC	1/8+	913 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 44/357
10*27906	9-5-11	H	JOSIE ZUKOWSKI-FAUST	TH EXPLORATION LLC	1/8+	1067 377	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*27914	9-5-11	H	WVSTO UNCLAIMED PROPERTY	TH EXPLORATION LLC	1/8+	1067 383	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*27953	9-5-11	H	TROY D BONAR AND KATHLEEN BONAR	TH EXPLORATION LLC	1/8+	1064 600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*15503	9-7-7	I	ROBERT HUBBS	CHIEF EXPLORATION & DEVELOPMENT	1/8+	677 521	NA	NA	NA	NA	Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship to Enerplus Res (USA) Corp: 685/636	Enerplus Resources (USA) Corp to Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship: 22/102	Chief Expl & Dvlpmt LLC, Radler 2000 Ltd P'ship, Enerplus Resources and AB Resources LLC: 24/495	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	AB Resources LLC to Chevron USA Inc: 756/397	Chevron USA Inc to TH Exploration LLC: 36/148	Chevron USA Inc to TH Exploration LLC: 40/127	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95		
10*26003	9-7-8	J	ROBERT HENDERSON AND DEBRA HENDERSON AND BRADLEY HENDERSON	AB RESOURCES LLC	1/8+	697 215	NA	NA	NA	NA	NA	NA	AB Resources LLC & NPAR LLC to Chief Expl & Dvlpmt LLC and Radler 2000 Ltd P'ship: 24/382 & 24/490	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship & Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	AB Resources LLC to NPAR LLC: 25/484	NPAR LLC to Chevron USA Inc: 756/332	AB Resources LLC to Chevron USA Inc: 756/397	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95		
10*47051.094.0	9-7-11	K	MARK H FOX	TH EXPLORATION LLC	1/8+	864 163	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

RECEIVED
Office of Oil and Gas
JUN 06 2022
WV Department of
Environmental Protection

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
10*26005	9-8-12	L	GEORGE AND SHIRLEY KOONTZ	NPARR LLC	1/8+	698	346	NA	NA	NA	NA	NA	NA	NPARR LLC to TriEnergy Holdings LLC: 23/84	AB Resources LLC and NPARR LLC to Chief Exploration & Development LLC & Radler 2000 Ltd Partnership: 24/490	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	NPARR LLC to Chevron USA Inc: 756/332	TriEnergy Holdings and TriEnergy Inc to Chevron USA Inc: 28/356	Chevron USA Inc to TH Exploration II LLC and TH Exploration LLC: 43/95
10*39997	9-8-13	M	LARRY L CONKLE AND DONNA D CONKLE	TH EXPLORATION LLC	1/8+	1133	126	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*47051.150.1	9-8-13.2	N	MICHAEL J HUGHES & TERESA A HUGHES	TH EXPLORATION LLC	1/8+	866	309	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*47051.304.0	9-9-3	O	UNITED BANK INC	TH EXPLORATION LLC	1/8+	905	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*23386	9-9-1	P	UNK HEIRS OF EDITH CARMICHAEL BY HERMAN LANTZ, ESQ AS SPEC COMMISSIONER	TH EXPLORATION LLC	1/8+	1008	68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*27947	9-9-1	P	STONE HILL MINERALS HOLDINGS LLC	TH EXPLORATION LLC	1/8+	1063	568	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*47051.289.1	9-12-8	Q	JANICE M HIXSON AND HARRY C HIXSON	TH EXPLORATION LLC	1/8+	898	461	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*47051.289.2	9-12-8	Q	KENNETH D MCMECHEN	TH EXPLORATION LLC	1/8+	898	463	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*15999	9-12-9	R	CHARLES W DOBBS AND JUDITH M DOBBS	TRIENERGY HOLDINGS LLC	1/8+	702	171	TriEnergy Holdings LLC to NPARR LLC: 24/180	AB Resources LLC and NPARR LLC to Chief Exploration & Development LLC & Radler 2000 Ltd Partnership: 24/466	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	NPARR LLC to Chevron USA Inc: 756/322	TriEnergy Holdings LLC & TriEnergy Inc to Chevron USA Inc: 28/356	Chevron USA Inc to Statoil USA Onshore Properties Inc: 30/494	Chevron USA Inc to Chesapeake Appalachia LLC: 30/532	Chesapeake Appalachia LLC to SWN Production Company LLC: 33/110	Statoil USA Onshore Properties Inc to SWN Exchange Titleholder LLC: 33/424	SWN Exchange Titleholder LLC merged with and into SWN Production Company LLC: 19/624	SWN Production Company LLC to TH Exploration LLC: 36/431	Statoil USA Onshore Properties Inc to TH Exploration LLC: 36/455
10*16000	9-12-9	R	DAVID J KLUKAS ET UX	TRIENERGY HOLDINGS LLC	1/8+	702	175	TriEnergy Holdings LLC to NPARR LLC: 24/180	AB Resources LLC and NPARR LLC to Chief Exploration & Development LLC & Radler 2000 Ltd Partnership: 24/466	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	NPARR LLC to Chevron USA Inc: 756/322	TriEnergy Holdings LLC & TriEnergy Inc to Chevron USA Inc: 28/356	Chevron USA Inc to Statoil USA Onshore Properties Inc: 30/494	Chevron USA Inc to Chesapeake Appalachia LLC: 30/532	Chesapeake Appalachia LLC to SWN Production Company LLC: 33/110	Statoil USA Onshore Properties Inc to SWN Exchange Titleholder LLC: 33/424	SWN Exchange Titleholder LLC merged with and into SWN Production Company LLC: 19/624	SWN Production Company LLC to TH Exploration LLC: 36/431	Statoil USA Onshore Properties Inc to TH Exploration LLC: 36/455
10*16001	9-12-9	R	MARLENE D GARIN	TRIENERGY HOLDINGS LLC	1/8+	702	173	TriEnergy Holdings LLC to NPARR LLC: 24/180	AB Resources LLC and NPARR LLC to Chief Exploration & Development LLC & Radler 2000 Ltd Partnership: 24/466	Chief Expl & Dvlpmt LLC, Chief Oil & Gas LLC, Radler 2000 Ltd P'ship and Enerplus Res (USA) Corp to Chevron USA Inc: 25/1	NPARR LLC to Chevron USA Inc: 756/322	TriEnergy Holdings LLC & TriEnergy Inc to Chevron USA Inc: 28/356	Chevron USA Inc to Statoil USA Onshore Properties Inc: 30/494	Chevron USA Inc to Chesapeake Appalachia LLC: 30/532	Chesapeake Appalachia LLC to SWN Production Company LLC: 33/110	Statoil USA Onshore Properties Inc to SWN Exchange Titleholder LLC: 33/424	SWN Exchange Titleholder LLC merged with and into SWN Production Company LLC: 19/624	SWN Production Company LLC to TH Exploration LLC: 36/431	Statoil USA Onshore Properties Inc to TH Exploration LLC: 36/455
10*28509	9-12-9	R	PEGGY ANNETTE GARDNER & ROBERT W GARDNER	TH EXPLORATION LLC	1/8+	1073	348	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

RECEIVED
Office of Oil and Gas

JUN 06 2022

WV Department of
Environmental Protection

Lease ID	TMP	Tag	Grantor, Lessor, Etc.	Grantee, Lessee, Etc.	Royalty	Deed Book/Page		Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment	Assignment
10*28510	9-12-9	R	LINDA SUE BENNETT AND THOMAS BENNETT	TH EXPLORATION LLC	1/8+	1073	350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10*28757	9-12-9	R	REBECCA LYNN RITZ AND THOMAS A RITZ	TH EXPLORATION LLC	1/8+	1076	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

RECEIVED
Office of Oil and Gas
JUN 06 2022
WV Department of
Environmental Protection

STATE OF WEST VIRGINIA §
 §
COUNTY OF MARSHALL §

ASSIGNMENT AND BILL OF SALE

This ASSIGNMENT AND BILL OF SALE (this "Assignment") dated as of February 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

RECEIVED
Office of Oil and Gas

JUN 06 2012

WV Department of
Environmental Protection

07/01/2022

ASSIGNMENT AND CONVEYANCE

This Assignment and Conveyance (this "*Assignment*") is from STATOIL USA ONSHORE PROPERTIES INC., a Delaware corporation ("*Assignor*"), to TH Exploration, LLC, a Texas limited liability company ("*Assignee*"), and is executed on August 22, 2016 (the "*Effective Date*"). Assignor and Assignee may be referred to herein collectively as the "*Parties*," or individually as a "*Party*." Capitalized terms used herein but not otherwise defined herein (including in Section 3.7) shall have the meanings given such terms in that certain Acreage Trade Agreement between the Assignor and the Assignee dated June 19, 2016 (the "*Acreage Trade Agreement*").

**ARTICLE 1
ASSIGNMENT OF ASSETS**

Section 1.1 Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby GRANTS, BARGAINS, ASSIGNS, CONVEYS AND TRANSFERS unto Assignee all of Assignor's right, title and interest in and to (i) the oil and gas leases described in more detail on Exhibit A attached hereto (the "*Leases*") INsofar AND ONLY INsofar as they cover the Target Formations and INsofar AND ONLY INsofar as they cover those lands described on Exhibit A (the "*Leasehold Rights*") and (ii) any surface use agreements that relate to such Leasehold Rights (collectively with the Leasehold Rights, the "*Conveyed Assets*"). Assignor does hereby reserve unto itself the right and subsurface easement to drill through the Leasehold Rights to access the those depths and formations in the Leases other than the Target Formations and (y) to shoot seismic, sonic, or other energy or waves through the Leasehold Rights and to receive, record and evaluate such energy or waves, including those reflected from or in any way pertaining to the reserved depths, and to utilize any and all other exploration technologies that image the subsurface of the leasehold including the reserved depths and to receive, record and evaluate all images resulting therefrom.

TO HAVE AND TO HOLD the Conveyed Assets, together with all and singular the rights, privileges, contracts and appurtenances, in any way appertaining or belonging thereto, unto Assignee, its successors and assigns, forever, subject, to the terms and conditions of this Assignment.

Section 1.4 Assignment Subject to Acreage Trade Agreement. This Assignment is made in accordance with and is subject to the terms, covenants and conditions contained in that certain Acreage Trade Agreement. In the event of a conflict between the provisions of the Acreage Trade Agreement and this Assignment, the provisions of the Acreage Trade Agreement shall control. The execution and delivery of this Assignment by Assignor, and the execution and acceptance of this Assignment by Assignee, shall not operate to release or impair any surviving rights or obligations of either Party with respect to the other under the Acreage Trade Agreement.

**ARTICLE 2
SPECIAL WARRANTY OF TITLE AND DISCLAIMERS**

Section 2.1 Special Warranty of Title. Assignor hereby agrees to warrant and defend Defensible Title to the Leases unto Assignee, its successors and assigns, against every Person whomsoever lawfully claiming or to claim the same or any part thereof by, through or under Assignor or any of its Affiliates, but not otherwise.

Section 2.2 Disclaimers of Warranties and Representations.

(a) EXCEPT AS EXPRESSLY REPRESENTED OTHERWISE IN SECTION VI OF THE ACREAGE TRADE AGREEMENT OR THIS ASSIGNMENT, ASSIGNOR MAKES NO, AND HEREBY EXPRESSLY DISCLAIMS, ANY REPRESENTATION OR WARRANTY, EXPRESS, IMPLIED OR STATUTORY, INCLUDING AS TO (I) TITLE TO THE LEASEHOLD RIGHTS, (II) THE CONTENTS, CHARACTER OR NATURE OF ANY



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Modification Horizontal H6A Well Work Permits API: (47-051-02249 & 47-051-02437)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Jun 28, 2022 at 12:16 PM

To: Amy Morris <amorris@tug-hillop.com>, Eric Buzzard <ebuzzard@marshallcountywv.org>, "Gayne J. Knitowski" <gayne.j.knitowski@wv.gov>, Strader C Gower <strader.c.gower@wv.gov>

I have attached a copy of the newly issued well [permit](#) numbers:

47-051-02249 - HUDSON S-2HM
47-051-02437 - WILLETT N-1HM

These will serve as your copy.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE


Charleston, WV 25304


(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

 **47-051-02249 - mod.pdf**
6161K

 **47-051-02437 - mod.pdf**
7442K

07/01/2022