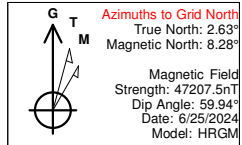




County: Andrews County, TX (TNC NAD 27)
Site: UL Wash Park Pad
Well: UL Wash Park 2B 2HD
Depth Reference: 3012+25 @ 3037.00usft (H&P 379)
Rig: H&P 379
Plan: OH
Job #: 18744



TOTAL CORRECTION: 8.28°

ANNOTATIONS

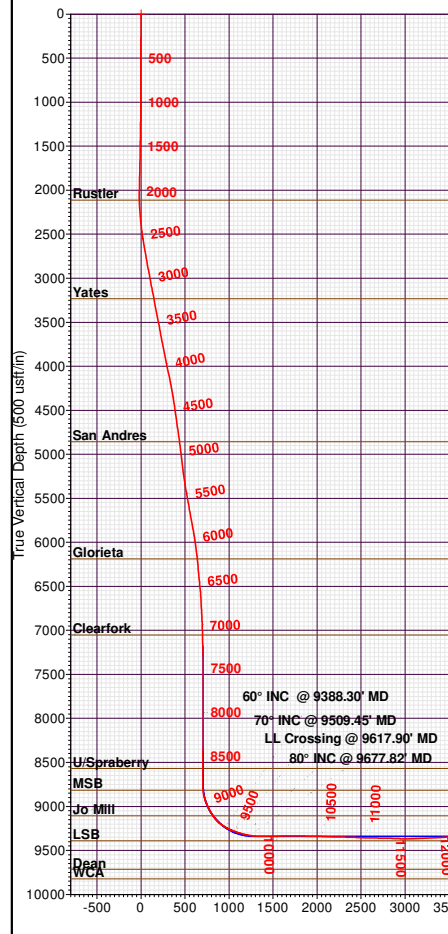
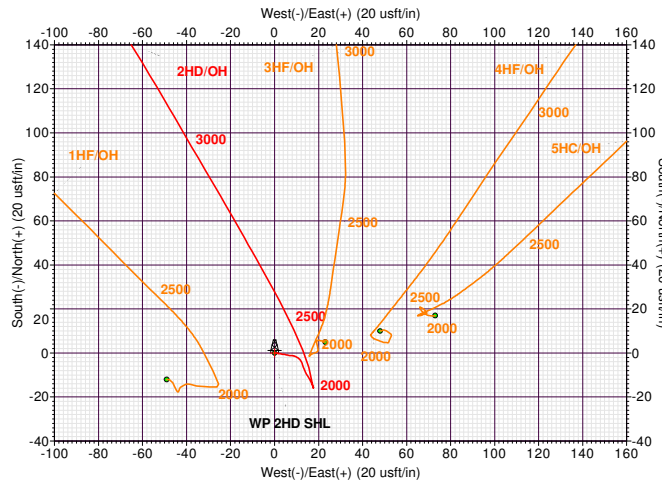
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
9388.30	59.99	343.39	9235.19	885.82	-429.63	957.89	1067.76	60° INC @ 9388.30' MD
9509.45	70.00	346.15	9285.35	991.78	-459.56	1067.82	1177.16	70° INC @ 9509.45' MD
9617.90	76.30	349.69	9316.85	1093.34	-480.48	1171.50	1280.94	LL Crossing @ 9617.90' MD
9677.82	80.00	349.47	9329.15	1151.01	-491.09	1230.10	1339.48	80° INC @ 9677.82' MD
14904.59	91.09	349.05	9359.55	6238.83	-1664.54	6451.31	6562.32	LL Crossing @ 14904.59' MD
17548.26	89.83	340.72	9348.14	8801.02	-2304.65	9091.34	9205.58	LL Crossing @ 17548.26' MD
18875.55	91.13	355.48	9350.67	10106.63	-2513.76	10411.23	10532.43	LL Crossing @ 18875.55' MD
20198.23	87.41	345.70	9370.48	11397.44	-2789.80	11731.18	11854.26	LL Crossing @ 20198.23' MD
22833.00	87.35	344.92	9400.63	13963.94	-3378.95	14364.37	14488.35	BHL @ 22833' MD

DESIGN TARGET DETAILS

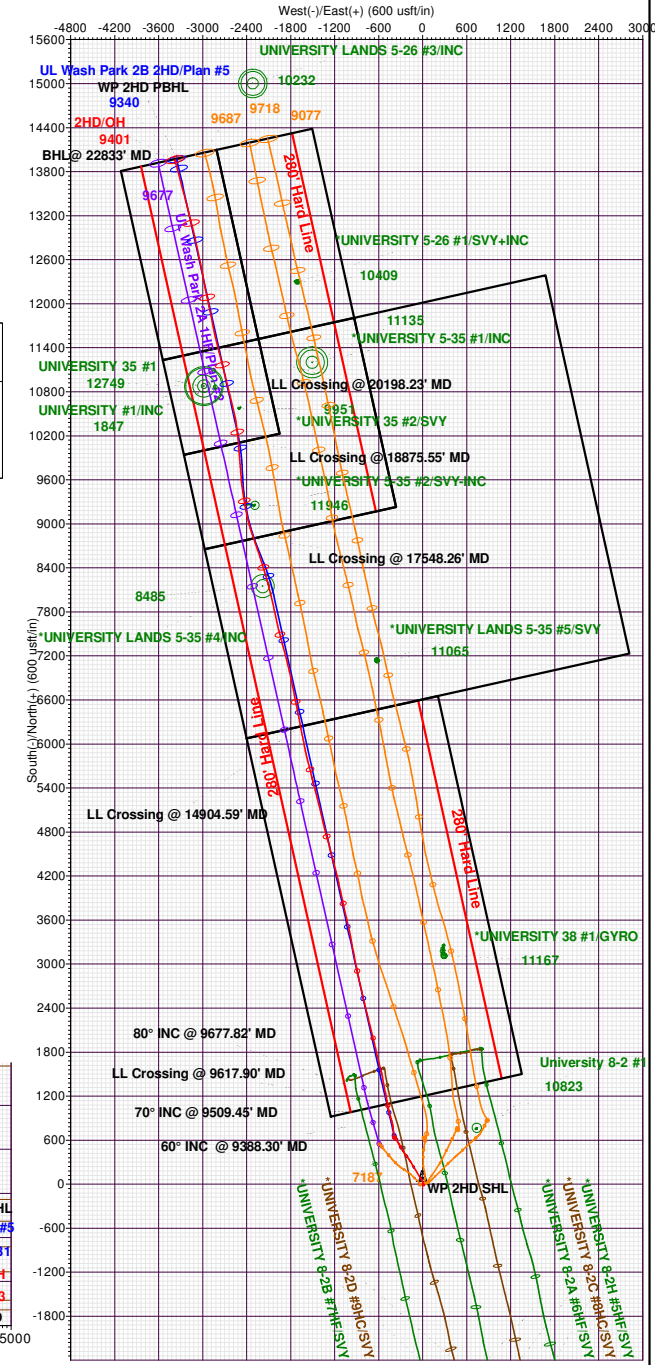
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
WP 2HD SHL	0.00	0.00	0.00	304750.00	514065.00	32.410693	-102.316570
WP 2HD PBHL	9340.00	13971.00	-3352.00	318721.00	510713.00	32.448634	-102.329500
WP 2HD BHL	9400.63	13964.09	-3379.06	318714.09	510685.94	32.448612	-102.329587

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2113.00	2113.22	Rustler
3234.00	3249.01	Yates
4857.00	4901.56	San Andres
6187.00	6249.14	Glorieta
7053.00	7118.03	Clearfork
8568.00	8633.18	U/Spraberry
8817.00	8882.24	MSB
9105.00	9194.53	Jo Mill
9392.00	22631.20	LSB



Vertical Section at 347.48° (500 usft/in)



Ovintiv USA Inc.

Andrews County, TX (TNC NAD 27)

UL Wash Park Pad

UL Wash Park 2B 2HD

OH

Design: OH

Standard Survey Report

21 August, 2024

SDT
Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Project	Andrews County, TX (TNC NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Texas North Central 4202		

Site	UL Wash Park Pad			
Site Position:		Northing:	304,738.00 usft	Latitude: 32.410654
From:	Map	Easting:	514,016.00 usft	Longitude: -102.316727
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	

Well	UL Wash Park 2B 2HD			
Well Position	+N/-S	0.00 usft	Northing:	304,750.00 usft
	+E/-W	0.00 usft	Easting:	514,065.00 usft
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft
Grid Convergence:		-2.63 °	Ground Level:	3,012.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	6/25/2024	5.66	59.94	47,207.50810065

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	347.48	

Survey Program	Date	8/21/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
160.00	1,802.00	Survey #1 (OH)	MWD	Geolink MWD	
1,992.00	22,773.00	Survey #2 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
22,833.00	22,833.00	Survey #3 (OH)	A026Ua_BLIND	OWSG BLIND	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
160.00	0.48	91.54	160.00	-0.02	0.67	-0.16	0.30	0.30	0.00	
248.00	0.44	114.13	248.00	-0.17	1.35	-0.45	0.21	-0.05	25.67	
411.00	0.22	63.59	410.99	-0.28	2.20	-0.75	0.21	-0.13	-31.01	
494.00	0.40	111.84	493.99	-0.32	2.61	-0.88	0.36	0.22	58.13	
580.00	0.75	98.83	579.99	-0.52	3.44	-1.25	0.43	0.41	-15.13	
666.00	0.62	99.01	665.98	-0.68	4.46	-1.63	0.15	-0.15	0.21	
754.00	0.57	101.38	753.98	-0.84	5.36	-1.98	0.06	-0.06	2.69	

SDT

Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
840.00	0.75	101.03	839.97	-1.03	6.33	-2.38	0.21	0.21	-0.41
929.00	0.57	98.83	928.96	-1.21	7.34	-2.77	0.20	-0.20	-2.47
1,015.00	0.53	83.89	1,014.96	-1.23	8.16	-2.97	0.17	-0.05	-17.37
1,104.00	0.92	114.30	1,103.95	-1.48	9.22	-3.45	0.60	0.44	34.17
1,192.00	0.70	117.55	1,191.94	-2.02	10.34	-4.22	0.26	-0.25	3.69
1,280.00	0.97	133.02	1,279.94	-2.78	11.36	-5.18	0.40	0.31	17.58
1,365.00	1.23	156.58	1,364.92	-4.11	12.25	-6.66	0.61	0.31	27.72
1,452.00	1.05	162.12	1,451.90	-5.72	12.87	-8.38	0.24	-0.21	6.37
1,541.00	0.92	159.04	1,540.89	-7.17	13.37	-9.89	0.16	-0.15	-3.46
1,628.00	1.19	155.17	1,627.88	-8.64	14.00	-11.47	0.32	0.31	-4.45
1,715.00	1.27	146.30	1,714.86	-10.26	14.92	-13.25	0.24	0.09	-10.20
1,802.00	1.14	149.81	1,801.84	-11.81	15.89	-14.97	0.17	-0.15	4.03
1,992.00	1.26	161.74	1,991.79	-15.43	17.49	-18.85	0.15	0.06	6.28
2,087.00	0.58	341.42	2,086.79	-15.96	17.66	-19.41	1.94	-0.72	189.14
2,113.22	1.42	346.28	2,113.00	-15.52	17.55	-18.96	3.21	3.19	18.54
Rustler									
2,181.00	3.59	348.31	2,180.72	-12.63	16.92	-16.00	3.21	3.21	2.99
2,276.00	4.00	346.52	2,275.51	-6.50	15.54	-9.71	0.45	0.43	-1.88
2,371.00	6.02	336.91	2,370.14	1.31	12.81	-1.50	2.30	2.13	-10.12
2,465.00	6.81	336.01	2,463.55	10.94	8.62	8.81	0.85	0.84	-0.96
2,560.00	9.78	331.75	2,557.55	23.19	2.51	22.10	3.19	3.13	-4.48
2,654.00	10.14	330.81	2,650.13	37.45	-5.31	37.71	0.42	0.38	-1.00
2,749.00	10.61	330.50	2,743.58	52.36	-13.69	54.09	0.50	0.49	-0.33
2,843.00	10.82	329.98	2,835.94	67.53	-22.37	70.78	0.25	0.22	-0.55
2,938.00	11.17	329.45	2,929.20	83.18	-31.51	88.03	0.38	0.37	-0.56
3,033.00	11.36	329.91	3,022.36	99.20	-40.88	105.70	0.22	0.20	0.48
3,127.00	11.68	329.67	3,114.47	115.42	-50.32	123.59	0.34	0.34	-0.26
3,222.00	11.50	328.56	3,207.53	131.80	-60.12	141.70	0.30	-0.19	-1.17
3,249.01	11.51	328.66	3,234.00	136.40	-62.92	146.80	0.08	0.02	0.38
Yates									
3,316.00	11.52	328.92	3,299.64	147.83	-69.85	159.46	0.08	0.02	0.38
3,410.00	11.46	328.52	3,391.76	163.84	-79.57	177.19	0.11	-0.06	-0.43
3,505.00	11.40	327.43	3,484.88	179.80	-89.56	194.94	0.24	-0.06	-1.15
3,600.00	11.27	328.49	3,578.02	195.62	-99.46	212.53	0.26	-0.14	1.12
3,695.00	11.47	328.18	3,671.16	211.56	-109.29	230.23	0.22	0.21	-0.33
3,789.00	11.81	329.00	3,763.23	227.75	-119.18	248.17	0.40	0.36	0.87
3,883.00	11.89	328.37	3,855.22	244.24	-129.21	266.44	0.16	0.09	-0.67
3,978.00	12.29	328.45	3,948.11	261.19	-139.63	285.25	0.42	0.42	0.08
4,072.00	12.38	329.35	4,039.95	278.39	-150.00	304.28	0.23	0.10	0.96
4,166.00	12.26	329.07	4,131.78	295.62	-160.27	323.33	0.14	-0.13	-0.30
4,260.00	11.30	326.42	4,223.80	311.85	-170.49	341.39	1.17	-1.02	-2.82
4,354.00	10.70	327.02	4,316.07	326.84	-180.34	358.16	0.65	-0.64	0.64
4,448.00	9.13	324.51	4,408.67	340.24	-189.42	373.21	1.73	-1.67	-2.67
4,542.00	8.91	324.64	4,501.50	352.24	-197.96	386.78	0.24	-0.23	0.14

SDT

Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,637.00	8.85	324.51	4,595.37	364.19	-206.46	400.29	0.07	-0.06	-0.14
4,731.00	8.65	324.25	4,688.27	375.82	-214.79	413.44	0.22	-0.21	-0.28
4,825.00	8.38	323.46	4,781.23	387.06	-223.00	426.20	0.31	-0.29	-0.84
4,901.56	8.11	324.44	4,857.00	395.93	-229.46	436.26	0.40	-0.35	1.28
San Andres									
4,919.00	8.05	324.67	4,874.27	397.93	-230.88	438.52	0.40	-0.35	1.33
5,013.00	7.54	324.24	4,967.40	408.31	-238.29	450.25	0.55	-0.54	-0.46
5,108.00	7.62	324.82	5,061.57	418.51	-245.56	461.79	0.12	0.08	0.61
5,202.00	7.58	326.06	5,154.75	428.75	-252.61	473.32	0.18	-0.04	1.32
5,296.00	8.74	325.32	5,247.79	439.77	-260.14	485.70	1.24	1.23	-0.79
5,390.00	9.85	327.72	5,340.56	452.44	-268.50	499.88	1.25	1.18	2.55
5,484.00	10.06	329.17	5,433.14	466.28	-277.00	515.24	0.35	0.22	1.54
5,578.00	10.58	328.01	5,525.62	480.65	-285.78	531.18	0.60	0.55	-1.23
5,673.00	10.95	329.14	5,618.95	495.80	-295.03	547.96	0.45	0.39	1.19
5,767.00	11.09	329.62	5,711.22	511.26	-304.18	565.04	0.18	0.15	0.51
5,861.00	10.99	328.82	5,803.48	526.72	-313.39	582.14	0.19	-0.11	-0.85
5,955.00	10.35	331.51	5,895.85	541.81	-322.06	598.74	0.86	-0.68	2.86
6,049.00	8.70	331.61	5,988.55	555.49	-329.47	613.70	1.76	-1.76	0.11
6,143.00	7.75	330.29	6,081.58	567.25	-335.99	626.59	1.03	-1.01	-1.40
6,237.00	5.77	329.70	6,174.93	576.83	-341.51	637.15	2.11	-2.11	-0.63
6,249.14	5.77	329.55	6,187.00	577.89	-342.13	638.31	0.12	-0.02	-1.22
Glorieta									
6,332.00	5.75	328.54	6,269.45	585.02	-346.41	646.20	0.12	-0.02	-1.22
6,426.00	6.00	327.89	6,362.95	593.19	-351.47	655.28	0.28	0.27	-0.69
6,521.00	6.17	328.02	6,457.42	601.73	-356.82	664.77	0.18	0.18	0.14
6,617.00	5.91	323.41	6,552.88	610.07	-362.50	674.15	0.57	-0.27	-4.80
6,712.00	3.63	311.71	6,647.55	616.00	-367.66	681.06	2.60	-2.40	-12.32
6,807.00	3.64	311.74	6,742.36	620.01	-372.15	685.94	0.01	0.01	0.03
6,903.00	3.49	309.47	6,838.17	623.90	-376.68	690.72	0.21	-0.16	-2.36
6,998.00	2.57	316.27	6,933.04	627.27	-380.39	694.82	1.04	-0.97	7.16
7,092.00	1.51	344.50	7,026.98	629.99	-382.17	697.86	1.52	-1.13	30.03
7,118.03	1.51	344.17	7,053.00	630.65	-382.36	698.54	0.03	0.00	-1.27
Clearfork									
7,187.00	1.51	343.28	7,121.95	632.40	-382.87	700.36	0.03	0.00	-1.29
7,245.00	1.57	343.32	7,179.93	633.89	-383.32	701.91	0.10	0.10	0.07
7,331.00	1.57	0.56	7,265.90	636.20	-383.64	704.23	0.55	0.00	20.05
7,425.00	0.91	18.92	7,359.87	638.19	-383.39	706.12	0.81	-0.70	19.53
7,520.00	0.86	21.08	7,454.86	639.57	-382.89	707.36	0.06	-0.05	2.27
7,614.00	0.30	34.83	7,548.86	640.43	-382.49	708.12	0.61	-0.60	14.63
7,709.00	0.32	60.14	7,643.86	640.76	-382.12	708.36	0.14	0.02	26.64
7,803.00	0.23	119.45	7,737.86	640.80	-381.73	708.32	0.30	-0.10	63.10
7,898.00	0.38	139.25	7,832.85	640.47	-381.36	707.91	0.19	0.16	20.84
7,992.00	0.39	171.16	7,926.85	639.92	-381.11	707.32	0.23	0.01	33.95

SDT

Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,087.00	0.49	142.33	8,021.85	639.28	-380.81	706.63	0.25	0.11	-30.35
8,276.00	0.49	201.32	8,210.84	637.88	-380.61	705.22	0.26	0.00	31.21
8,370.00	0.86	233.26	8,304.84	637.09	-381.32	704.60	0.55	0.39	33.98
8,464.00	0.87	242.01	8,398.83	636.33	-382.51	704.12	0.14	0.01	9.31
8,558.00	0.54	239.92	8,492.82	635.77	-383.53	703.80	0.35	-0.35	-2.22
8,633.18	0.49	245.86	8,568.00	635.46	-384.13	703.63	0.10	-0.06	7.90
U/Spraberry									
8,653.00	0.48	247.62	8,587.82	635.40	-384.28	703.59	0.10	-0.06	8.88
8,747.00	0.42	215.50	8,681.81	634.97	-384.85	703.30	0.27	-0.06	-34.17
8,841.00	0.27	61.47	8,775.81	634.79	-384.85	703.13	0.72	-0.16	-163.86
8,882.24	5.05	353.30	8,817.00	636.64	-384.98	704.96	12.02	11.59	-165.30
MSB									
8,936.00	11.51	351.66	8,870.17	644.31	-386.03	712.67	12.02	12.01	-3.04
9,030.00	23.07	345.42	8,959.78	671.51	-392.05	740.53	12.44	12.30	-6.64
9,124.00	27.33	354.45	9,044.84	710.84	-398.78	780.39	6.09	4.53	9.61
9,194.53	35.45	355.56	9,105.00	747.41	-401.94	816.77	11.54	11.51	1.57
Jo Mill									
9,217.00	38.04	355.82	9,123.00	760.81	-402.95	830.07	11.54	11.52	1.17
9,311.00	49.69	346.80	9,190.72	824.88	-413.29	894.85	14.04	12.39	-9.60
9,388.30	59.99	343.39	9,235.19	885.82	-429.63	957.89	13.80	13.32	-4.42
60° INC @ 9388.30' MD									
9,406.00	62.36	342.71	9,243.72	900.65	-434.16	973.35	13.80	13.39	-3.82
9,500.00	69.46	345.74	9,282.07	983.18	-457.41	1,058.96	8.11	7.55	3.22
9,509.45	70.00	346.15	9,285.35	991.78	-459.56	1,067.82	7.00	5.67	4.36
70° INC @ 9509.45' MD									
9,595.00	74.89	349.77	9,311.15	1,071.52	-476.53	1,149.34	7.00	5.72	4.23
9,617.90	76.30	349.69	9,316.85	1,093.34	-480.48	1,171.50	6.18	6.17	-0.37
LL Crossing @ 9617.90' MD									
9,677.82	80.00	349.47	9,329.15	1,151.01	-491.09	1,230.10	6.18	6.17	-0.36
80° INC @ 9677.82' MD									
9,689.00	80.69	349.43	9,331.02	1,161.84	-493.11	1,241.11	6.18	6.17	-0.36
9,783.00	89.09	349.54	9,339.39	1,253.82	-510.18	1,334.60	8.94	8.94	0.12
9,878.00	90.91	349.44	9,339.39	1,347.22	-527.51	1,429.54	1.92	1.92	-0.11
9,972.00	91.25	349.41	9,337.62	1,439.61	-544.76	1,523.46	0.36	0.36	-0.03
10,067.00	90.52	345.89	9,336.15	1,532.38	-565.07	1,618.44	3.78	-0.77	-3.71
10,161.00	90.29	345.90	9,335.49	1,623.54	-587.98	1,712.40	0.24	-0.24	0.01
10,255.00	88.98	346.47	9,336.08	1,714.82	-610.42	1,806.37	1.52	-1.39	0.61
10,350.00	88.61	346.73	9,338.08	1,807.21	-632.43	1,901.34	0.48	-0.39	0.27
10,444.00	88.92	346.58	9,340.11	1,898.65	-654.12	1,995.31	0.37	0.33	-0.16
10,538.00	88.33	346.40	9,342.36	1,990.03	-676.08	2,089.26	0.66	-0.63	-0.19
10,632.00	88.33	345.97	9,345.10	2,081.27	-698.51	2,183.20	0.46	0.00	-0.46
10,726.00	88.36	345.98	9,347.82	2,172.43	-721.28	2,277.13	0.03	0.03	0.01
10,820.00	88.61	346.10	9,350.30	2,263.62	-743.95	2,371.07	0.29	0.27	0.13
10,915.00	87.80	345.83	9,353.28	2,355.74	-766.98	2,465.99	0.90	-0.85	-0.28
11,009.00	87.83	345.94	9,356.86	2,446.83	-789.89	2,559.88	0.12	0.03	0.12

SDT Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
11,103.00	89.06	347.62	9,359.41	2,538.30	-811.37	2,653.83	2.21	1.31	1.79	
11,197.00	88.78	347.34	9,361.19	2,630.05	-831.75	2,747.82	0.42	-0.30	-0.30	
11,291.00	88.44	347.08	9,363.47	2,721.69	-852.55	2,841.79	0.46	-0.36	-0.28	
11,385.00	88.11	346.90	9,366.30	2,813.24	-873.70	2,935.74	0.40	-0.35	-0.19	
11,479.00	90.13	348.68	9,367.74	2,905.09	-893.58	3,029.72	2.86	2.15	1.89	
11,573.00	91.55	348.91	9,366.36	2,997.29	-911.84	3,123.68	1.53	1.51	0.24	
11,667.00	92.26	348.97	9,363.24	3,089.49	-929.87	3,217.60	0.76	0.76	0.06	
11,761.00	93.04	349.09	9,358.89	3,181.67	-947.73	3,311.46	0.84	0.83	0.13	
11,855.00	93.43	349.24	9,353.59	3,273.85	-965.38	3,405.27	0.44	0.41	0.16	
11,949.00	94.08	349.26	9,347.43	3,366.00	-982.87	3,499.03	0.69	0.69	0.02	
12,043.00	91.67	347.42	9,342.71	3,457.93	-1,001.85	3,592.89	3.22	-2.56	-1.96	
12,137.00	90.88	347.09	9,340.62	3,549.60	-1,022.58	3,686.86	0.91	-0.84	-0.35	
12,231.00	90.88	347.34	9,339.18	3,641.25	-1,043.38	3,780.85	0.27	0.00	0.27	
12,325.00	91.27	347.43	9,337.42	3,732.97	-1,063.90	3,874.83	0.43	0.41	0.10	
12,420.00	91.41	347.70	9,335.19	3,825.71	-1,084.35	3,969.81	0.32	0.15	0.28	
12,514.00	92.17	347.83	9,332.26	3,917.53	-1,104.26	4,063.76	0.82	0.81	0.14	
12,608.00	92.98	347.89	9,328.03	4,009.34	-1,124.01	4,157.66	0.86	0.86	0.06	
12,702.00	93.21	347.69	9,322.96	4,101.08	-1,143.86	4,251.52	0.32	0.24	-0.21	
12,797.00	90.29	346.10	9,320.06	4,193.55	-1,165.39	4,346.46	3.50	-3.07	-1.67	
12,891.00	88.59	345.43	9,320.98	4,284.65	-1,188.50	4,440.41	1.94	-1.81	-0.71	
12,985.00	88.30	344.98	9,323.53	4,375.50	-1,212.50	4,534.30	0.57	-0.31	-0.48	
13,079.00	86.71	345.25	9,327.62	4,466.26	-1,236.62	4,628.13	1.72	-1.69	0.29	
13,174.00	86.82	345.38	9,332.98	4,558.01	-1,260.67	4,722.91	0.18	0.12	0.14	
13,268.00	86.99	344.84	9,338.06	4,648.72	-1,284.79	4,816.69	0.60	0.18	-0.57	
13,362.00	86.15	344.18	9,343.68	4,739.14	-1,309.85	4,910.40	1.14	-0.89	-0.70	
13,457.00	89.54	346.14	9,347.25	4,830.89	-1,334.15	5,005.23	4.12	3.57	2.06	
13,551.00	91.53	347.06	9,346.37	4,922.32	-1,355.94	5,099.21	2.33	2.12	0.98	
13,645.00	91.72	346.91	9,343.71	5,013.87	-1,377.10	5,193.17	0.26	0.20	-0.16	
13,739.00	92.56	346.26	9,340.20	5,105.24	-1,398.89	5,287.09	1.13	0.89	-0.69	
13,833.00	93.26	345.67	9,335.43	5,196.32	-1,421.66	5,380.94	0.97	0.74	-0.63	
13,928.00	91.13	346.21	9,331.79	5,288.40	-1,444.72	5,475.83	2.31	-2.24	0.57	
14,022.00	88.98	345.55	9,331.70	5,379.55	-1,467.65	5,569.78	2.39	-2.29	-0.70	
14,116.00	90.41	345.12	9,332.20	5,470.48	-1,491.44	5,663.71	1.59	1.52	-0.46	
14,210.00	86.99	346.30	9,334.33	5,561.54	-1,514.64	5,757.63	3.85	-3.64	1.26	
14,304.00	86.79	345.74	9,339.43	5,652.62	-1,537.31	5,851.46	0.63	-0.21	-0.60	
14,399.00	87.07	345.05	9,344.52	5,744.42	-1,561.23	5,946.26	0.78	0.29	-0.73	
14,493.00	86.29	346.71	9,349.96	5,835.42	-1,584.12	6,040.06	1.95	-0.83	1.77	
14,587.00	87.74	348.57	9,354.86	5,927.11	-1,604.21	6,133.93	2.51	1.54	1.98	
14,681.00	88.50	349.30	9,357.94	6,019.31	-1,622.25	6,227.85	1.12	0.81	0.78	
14,775.00	89.01	349.02	9,359.98	6,111.61	-1,639.92	6,321.78	0.62	0.54	-0.30	
14,869.00	90.80	349.07	9,360.14	6,203.89	-1,657.78	6,415.74	1.90	1.90	0.05	
14,904.59	91.09	349.05	9,359.55	6,238.83	-1,664.54	6,451.32	0.82	0.82	-0.06	
LL Crossing @ 14904.59' MD										

SDT

Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,964.00	91.58	349.01	9,358.17	6,297.14	-1,675.84	6,510.69	0.82	0.82	-0.06	
15,058.00	92.17	348.05	9,355.09	6,389.21	-1,694.52	6,604.62	1.20	0.63	-1.02	
15,152.00	90.29	348.71	9,353.07	6,481.26	-1,713.45	6,698.58	2.12	-2.00	0.70	
15,247.00	91.36	349.01	9,351.71	6,574.46	-1,731.80	6,793.54	1.17	1.13	0.32	
15,341.00	89.29	349.01	9,351.17	6,666.73	-1,749.72	6,887.50	2.20	-2.20	0.00	
15,435.00	90.13	348.60	9,351.65	6,758.94	-1,767.97	6,981.47	0.99	0.89	-0.44	
15,529.00	88.75	348.06	9,352.57	6,850.99	-1,786.98	7,075.46	1.58	-1.47	-0.57	
15,623.00	88.75	347.33	9,354.62	6,942.81	-1,807.01	7,169.43	0.78	0.00	-0.78	
15,717.00	88.02	346.62	9,357.27	7,034.35	-1,828.19	7,263.39	1.08	-0.78	-0.76	
15,811.00	88.47	345.92	9,360.15	7,125.62	-1,850.49	7,357.33	0.88	0.48	-0.74	
15,905.00	89.20	345.12	9,362.06	7,216.61	-1,873.99	7,451.25	1.15	0.78	-0.85	
16,000.00	89.26	345.01	9,363.33	7,308.40	-1,898.47	7,546.16	0.13	0.06	-0.12	
16,094.00	90.38	345.13	9,363.63	7,399.22	-1,922.69	7,640.07	1.20	1.19	0.13	
16,189.00	91.25	344.90	9,362.28	7,490.98	-1,947.25	7,734.97	0.95	0.92	-0.24	
16,283.00	89.82	346.99	9,361.40	7,582.16	-1,970.07	7,828.93	2.69	-1.52	2.22	
16,378.00	89.45	347.89	9,362.01	7,674.88	-1,990.73	7,923.92	1.02	-0.39	0.95	
16,472.00	89.99	347.53	9,362.46	7,766.72	-2,010.74	8,017.92	0.69	0.57	-0.38	
16,567.00	89.68	347.07	9,362.74	7,859.40	-2,031.62	8,112.92	0.58	-0.33	-0.48	
16,661.00	90.43	346.97	9,362.65	7,951.00	-2,052.74	8,206.92	0.80	0.80	-0.11	
16,756.00	91.69	346.87	9,360.89	8,043.51	-2,074.23	8,301.89	1.33	1.33	-0.11	
16,851.00	91.11	346.28	9,358.57	8,135.89	-2,096.28	8,396.85	0.87	-0.61	-0.62	
16,945.00	91.53	343.68	9,356.40	8,226.65	-2,120.63	8,490.73	2.80	0.45	-2.77	
17,039.00	90.57	343.14	9,354.68	8,316.72	-2,147.47	8,584.48	1.17	-1.02	-0.57	
17,133.00	91.25	342.68	9,353.19	8,406.55	-2,175.09	8,678.17	0.87	0.72	-0.49	
17,228.00	90.57	342.36	9,351.68	8,497.15	-2,203.62	8,772.80	0.79	-0.72	-0.34	
17,322.00	90.88	342.00	9,350.49	8,586.64	-2,232.38	8,866.39	0.51	0.33	-0.38	
17,417.00	91.02	341.60	9,348.92	8,676.87	-2,262.05	8,960.91	0.45	0.15	-0.42	
17,511.00	89.99	340.77	9,348.09	8,765.84	-2,292.37	9,054.34	1.41	-1.10	-0.88	
17,548.26	89.83	340.72	9,348.14	8,801.02	-2,304.65	9,091.34	0.44	-0.42	-0.13	
LL Crossing @ 17548.26' MD										
17,606.00	89.59	340.65	9,348.43	8,855.51	-2,323.75	9,148.67	0.44	-0.42	-0.13	
17,700.00	88.47	343.62	9,350.03	8,944.95	-2,352.58	9,242.24	3.38	-1.19	3.16	
17,795.00	88.00	346.16	9,352.95	9,036.62	-2,377.33	9,337.09	2.72	-0.49	2.67	
17,889.00	87.83	347.48	9,356.37	9,128.08	-2,398.75	9,431.02	1.41	-0.18	1.40	
17,984.00	87.86	349.90	9,359.95	9,221.16	-2,417.36	9,525.92	2.55	0.03	2.55	
18,078.00	89.65	350.53	9,361.99	9,313.77	-2,433.33	9,619.79	2.02	1.90	0.67	
18,172.00	90.32	351.50	9,362.01	9,406.61	-2,448.01	9,713.61	1.25	0.71	1.03	
18,266.00	91.50	351.56	9,360.52	9,499.57	-2,461.86	9,807.36	1.26	1.26	0.06	
18,360.00	89.26	355.28	9,359.90	9,592.93	-2,472.63	9,900.83	4.62	-2.38	3.96	
18,454.00	89.76	355.74	9,360.70	9,686.64	-2,479.99	9,993.90	0.72	0.53	0.49	
18,548.00	92.06	355.62	9,359.21	9,780.35	-2,487.06	10,086.93	2.45	2.45	-0.13	
18,642.00	93.49	355.09	9,354.66	9,873.93	-2,494.67	10,179.93	1.62	1.52	-0.56	
18,736.00	89.76	354.94	9,351.99	9,967.52	-2,502.83	10,273.06	3.97	-3.97	-0.16	
18,830.00	90.88	355.90	9,351.47	10,061.22	-2,510.34	10,366.16	1.57	1.19	1.02	

SDT Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
18,875.55	91.13	355.48	9,350.67	10,106.63	-2,513.76	10,411.23	1.08	0.56	-0.93	
LL Crossing @ 18875.55' MD										
18,925.00	91.41	355.02	9,349.57	10,155.90	-2,517.85	10,460.22	1.08	0.56	-0.93	
19,021.00	92.65	352.69	9,346.17	10,251.28	-2,528.12	10,555.55	2.75	1.29	-2.43	
19,115.00	92.96	352.63	9,341.57	10,344.40	-2,540.12	10,649.06	0.34	0.33	-0.06	
19,209.00	89.93	348.86	9,339.20	10,437.12	-2,555.23	10,742.85	5.14	-3.22	-4.01	
19,303.00	89.34	346.58	9,339.79	10,528.96	-2,575.22	10,836.84	2.51	-0.63	-2.43	
19,397.00	89.17	346.58	9,341.02	10,620.38	-2,597.03	10,930.82	0.18	-0.18	0.00	
19,491.00	88.92	346.55	9,342.58	10,711.80	-2,618.87	11,024.79	0.27	-0.27	-0.03	
19,585.00	88.64	346.33	9,344.59	10,803.16	-2,640.91	11,118.76	0.38	-0.30	-0.23	
19,680.00	88.25	345.96	9,347.16	10,895.36	-2,663.65	11,213.70	0.57	-0.41	-0.39	
19,774.00	87.63	346.08	9,350.54	10,986.51	-2,686.34	11,307.60	0.67	-0.66	0.13	
19,867.00	87.07	345.91	9,354.84	11,076.65	-2,708.82	11,400.47	0.63	-0.60	-0.18	
19,961.00	86.48	345.42	9,360.13	11,167.58	-2,732.06	11,494.28	0.82	-0.63	-0.52	
20,056.00	87.83	346.15	9,364.85	11,259.56	-2,755.36	11,589.12	1.62	1.42	0.77	
20,150.00	87.77	345.95	9,368.45	11,350.72	-2,778.00	11,683.02	0.22	-0.06	-0.21	
20,198.23	87.41	345.70	9,370.48	11,397.44	-2,789.80	11,731.18	0.91	-0.74	-0.52	
LL Crossing @ 20198.23' MD										
20,244.00	87.07	345.46	9,372.69	11,441.71	-2,801.19	11,776.88	0.91	-0.74	-0.52	
20,338.00	87.74	346.87	9,376.94	11,532.89	-2,823.64	11,870.75	1.66	0.71	1.50	
20,432.00	89.01	348.07	9,379.61	11,624.61	-2,844.03	11,964.71	1.86	1.35	1.28	
20,527.00	90.38	348.63	9,380.11	11,717.65	-2,863.21	12,059.69	1.56	1.44	0.59	
20,621.00	90.69	348.50	9,379.23	11,809.78	-2,881.84	12,153.67	0.36	0.33	-0.14	
20,715.00	89.90	348.39	9,378.75	11,901.87	-2,900.67	12,247.66	0.85	-0.84	-0.12	
20,809.00	89.57	347.89	9,379.19	11,993.86	-2,919.99	12,341.65	0.64	-0.35	-0.53	
20,904.00	90.99	349.10	9,378.72	12,086.95	-2,938.94	12,436.63	1.96	1.49	1.27	
20,998.00	91.36	348.86	9,376.79	12,179.20	-2,956.90	12,530.58	0.47	0.39	-0.26	
21,092.00	91.08	348.85	9,374.79	12,271.40	-2,975.07	12,624.53	0.30	-0.30	-0.01	
21,186.00	90.85	348.56	9,373.21	12,363.57	-2,993.48	12,718.49	0.39	-0.24	-0.31	
21,280.00	90.71	348.82	9,371.93	12,455.73	-3,011.91	12,812.47	0.31	-0.15	0.28	
21,374.00	90.10	348.21	9,371.27	12,547.85	-3,030.63	12,906.45	0.92	-0.65	-0.65	
21,469.00	89.62	348.24	9,371.50	12,640.85	-3,050.01	13,001.44	0.51	-0.51	0.03	
21,657.00	89.59	347.68	9,372.79	12,824.71	-3,089.23	13,189.43	0.30	-0.02	-0.30	
21,751.00	89.65	347.31	9,373.42	12,916.48	-3,109.58	13,283.42	0.40	0.06	-0.39	
21,846.00	89.45	346.32	9,374.16	13,008.97	-3,131.25	13,378.41	1.06	-0.21	-1.04	
21,940.00	88.95	345.42	9,375.48	13,100.11	-3,154.19	13,472.37	1.10	-0.53	-0.96	
22,034.00	89.01	345.24	9,377.15	13,191.04	-3,177.99	13,566.28	0.20	0.06	-0.19	
22,128.00	89.12	346.62	9,378.68	13,282.20	-3,200.84	13,660.24	1.47	0.12	1.47	
22,222.00	88.67	345.20	9,380.50	13,373.35	-3,223.72	13,754.18	1.58	-0.48	-1.51	
22,316.00	88.64	345.20	9,382.70	13,464.21	-3,247.73	13,848.08	0.03	-0.03	0.00	
22,410.00	88.44	345.50	9,385.10	13,555.12	-3,271.49	13,941.98	0.38	-0.21	0.32	
22,504.00	88.22	345.44	9,387.84	13,646.08	-3,295.07	14,035.89	0.24	-0.23	-0.06	
22,594.00	88.11	345.30	9,390.72	13,733.12	-3,317.79	14,125.78	0.20	-0.12	-0.16	
22,631.20	87.94	345.32	9,392.00	13,769.08	-3,327.21	14,162.93	0.46	-0.45	0.05	

SDT Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LSB									
22,693.00	87.66	345.35	9,394.37	13,828.82	-3,342.85	14,224.64	0.46	-0.45	0.05
22,773.00	87.35	344.92	9,397.85	13,906.07	-3,363.35	14,304.50	0.66	-0.39	-0.54
22,833.00	87.35	344.92	9,400.63	13,963.94	-3,378.95	14,364.37	0.00	0.00	0.00
BHL@ 22833' MD									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
WP 2HD SHL - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	304,750.00	514,065.00	32.410694	-102.316570
WP 2HD PBHL - actual wellpath misses target center by 66.65usft at 22830.00usft MD (9400.49 TVD, 13961.05 N, -3378.17 E) - Point	0.00	0.00	9,340.00	13,971.00	-3,352.00	318,721.00	510,713.00	32.448634	-102.329501
WP 2HD BHL - actual wellpath misses target center by 0.19usft at 22833.00usft MD (9400.63 TVD, 13963.94 N, -3378.95 E) - Point	0.00	360.00	9,400.63	13,964.09	-3,379.06	318,714.09	510,685.94	32.448612	-102.329587

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,113.22	2,113.00	Rustler				
3,249.01	3,234.00	Yates				
4,901.56	4,857.00	San Andres				
6,249.14	6,187.00	Glorieta				
7,118.03	7,053.00	Clearfork				
8,633.18	8,568.00	U/Spraberry				
8,882.24	8,817.00	MSB				
9,194.53	9,105.00	Jo Mill				
22,631.20	9,392.00	LSB				

SDT

Survey Report

Company:	Ovintiv USA Inc.	Local Co-ordinate Reference:	Well UL Wash Park 2B 2HD
Project:	Andrews County, TX (TNC NAD 27)	TVD Reference:	3012+25 @ 3037.00usft (H&P 379)
Site:	UL Wash Park Pad	MD Reference:	3012+25 @ 3037.00usft (H&P 379)
Well:	UL Wash Park 2B 2HD	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000 Multi User Db

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,388.30	9,235.19	885.82	-429.63	60° INC @ 9388.30' MD
9,509.45	9,285.35	991.78	-459.56	70° INC @ 9509.45' MD
9,617.90	9,316.85	1,093.34	-480.48	LL Crossing @ 9617.90' MD
9,677.82	9,329.15	1,151.01	-491.09	80° INC @ 9677.82' MD
14,904.59	9,359.55	6,238.83	-1,664.54	LL Crossing @ 14904.59' MD
17,548.26	9,348.14	8,801.02	-2,304.65	LL Crossing @ 17548.26' MD
18,875.55	9,350.67	10,106.63	-2,513.76	LL Crossing @ 18875.55' MD
20,198.23	9,370.48	11,397.44	-2,789.80	LL Crossing @ 20198.23' MD
22,833.00	9,400.63	13,963.94	-3,378.95	BHL@ 22833' MD

Checked By: _____ Approved By: _____ Date: _____

Railroad Commission of Texas

PERMIT TO DRILL, RE-COMPLETE, OR RE-ENTER ON REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

CONDITIONS AND INSTRUCTIONS

Permit Invalidation. It is the operator's responsibility to make sure that the permitted location complies with Commission density and spacing rules in effect on the spud date. The permit becomes invalid automatically if, because of a field rule change or the drilling of another well, the stated location is not in compliance with Commission field rules on the spud date. If this occurs, application for an exception to Statewide Rules 37 and 38 must be made and a special permit granted prior to spudding. Failure to do so may result in an allowable not being assigned and/or enforcement procedures being initiated.

Notice Requirements. Per H.B 630, signed May 8, 2007, the operator is required to provide notice to the surface owner no later than the 15th business day after the Commission issues a permit to drill. Please refer to subchapter Q Sec. 91.751-91.755 of the Texas Natural Resources Code for applicability.

Permit expiration. This permit expires two (2) years from the date of issuance shown on the original permit. The permit period will not be extended.

Drilling Permit Number. The drilling permit number shown on the permit **MUST** be given as a reference with any notification to the district (see below), correspondence, or application concerning this permit.

Rule 37 Exception Permits. This Statewide Rule 37 exception permit is granted under either provision Rule 37 (h)(2)(A) or 37(h)(2)(B). Be advised that a permit granted under Rule 37(h)(2)(A), notice of application, is subject to the General Rules of Practice and Procedures and if a protest is received under Section 1.3, "Filing of Documents," and/or Section 1.4, "Computation of Time," the permit may be deemed invalid.

Before Drilling

Fresh Water Sand Protection. The operator must set and cement sufficient surface casing to protect all usable-quality water, as defined by the Railroad Commission of Texas (RRC) Groundwater Advisory Unit (GWAU). Before drilling a well, the operator must obtain a letter from the Railroad Commission of Texas stating the depth to which water needs protection, Write: Railroad Commission of Texas, Groundwater Advisory Unit (GWAU), P.O. Box 12967, Austin, TX 78711-3087. File a copy of the letter with the appropriate district office.

Accessing the Well Site. If an OPERATOR, well equipment TRANSPORTER or WELL service provider must access the well site from a roadway on the state highway system (Interstate, U.S. Highway, State Highway, Farm-to-Market Road, Ranch-to-Market Road, etc.), an access permit is required from TxDOT. Permit applications are submitted to the respective TxDOT Area Office serving the county where the well is located.

Water Transport to Well Site. If an operator intends to transport water to the well site through a temporary pipeline laid above ground on the state's right-of-way, an additional TxDOT permit is required. Permit applications are submitted to the respective TxDOT Area Office serving the county where the well is located.

*NOTIFICATION

The operator is **REQUIRED** to notify the district office when setting surface casing, intermediate casing, and production casing, or when plugging a dry hole. The district office **MUST** also be notified if the operator intends to re-enter a plugged well or re-complete a well into a different regulatory field. Time requirements are given below. The drilling permit number **MUST** be given with such notifications.

During Drilling

Permit at Drilling Site. A copy of the Form W-1 Drilling Permit Application, the location plat, a copy of Statewide Rule 13 alternate surface casing setting depth approval from the district office, if applicable, and this drilling permit must be kept at the permitted well site throughout drilling operations.

***Notification of Setting Casing.** The operator **MUST** call in notification to the appropriate district office (phone number shown on permit) a minimum of eight (8) hours prior to the setting of surface casing, intermediate casing, AND production casing. The individual giving notification **MUST** be able to advise the district office of the drilling permit number.

***Notification of Re-completion/Re-entry.** The operator MUST call in notification to the appropriate district office (phone number shown on permit) a minimum of eight (8) hours prior to the initiation of drilling or re-completion operations. The individual giving notification MUST be able to advise the district office of the drilling permit number.

Completion and Plugging Reports

Hydraulic Fracture Stimulation using Diesel Fuel: Most operators in Texas do not use diesel fuel in hydraulic fracturing fluids. Section 322 of the Energy Policy Act of 2005 amended the Underground Injection Control (UIC) portion of the federal Safe Drinking Water Act (42 USC 300h(d)) to define "underground injection" to *EXCLUDE* "...the underground injection of fluids or propping agents (*other than diesel fuels*) pursuant to hydraulic fracturing operations related to oil, gas, or geothermal production activities." (italic and underlining added.) Therefore, hydraulic fracturing may be subject to regulation under the federal UIC regulations if diesel fuel is injected or used as a propping agent. EPA defined "diesel fuel" using the following five (5) Chemical Abstract Service numbers: 68334-30-5 Primary Name: Fuels, diesel; 68476-34-6 Primary Name: Fuels, diesel, No. 2; 68476-30-2 Primary Name: Fuel oil No. 2; 68476-31-3 Primary Name: Fuel oil, No. 4; and 8008-20-6 Primary Name: Kerosene. As a result, an injection well permit would be required before performing hydraulic fracture stimulation using diesel fuel as defined by EPA on any well in Texas. Hydraulic fracture stimulation using diesel fuel as defined by EPA on a well in Texas without an injection well permit could result in enforcement action.

Producing Well. Statewide Rule 16 states that the operator of a well shall file with the Commission the appropriate completion report within ninety (90) days after completion of the well or within one hundred and fifty (150) days after the date on which the drilling operation is completed, whichever is earlier. Completion of the well in a field authorized by this permit voids the permit for all other fields included in the permit unless the operator indicates on the initial completion report that the well is to be a dual or multiple completion and promptly submits an application for multiple completion. All zones are required to be completed before the expiration date on the existing permit. Statewide Rule 40(d) requires that upon successful completion of a well in the same reservoir as any other well previously assigned the same acreage, proration plats and P-15s or P-16s (if required) or a lease plat and P-16 must be submitted with no double assignment of acreage unless authorized by rule.

Dry or Noncommercial Hole. Statewide Rule 14(b)(2) prohibits suspension of operations on each dry or non-commercial well without plugging unless the hole is cased and the casing is cemented in compliance with Commission rules. If properly cased, Statewide Rule 14(b)(2) requires that plugging operations must begin within a period of one (1) year after drilling or operations have ceased. Plugging operations must proceed with due diligence until completed. An extension to the one-year plugging requirement may be granted under the provisions stated in Statewide Rule 14(b)(2).

Intention to Plug. The operator must file a Form W-3A (Notice of Intention to Plug and Abandon) with the district office at least five (5) days prior to beginning plugging operations. If, however, a drilling rig is already at work on location and ready to begin plugging operations, the district director or the director's delegate may waive this requirement upon request, and verbally approve the proposed plugging procedures.

***Notification of Plugging a Dry Hole.** The operator MUST call in notification to the appropriate district office (phone number shown on permit) a minimum of four (4) hours prior to beginning plugging operations. The individual giving the notification MUST be able to advise the district office of the drilling permit number and all water protection depths for that location as stated in the Groundwater Advisory Unit letter.

DIRECT INQUIRIES TO: DRILLING PERMIT SECTION, OIL AND GAS DIVISION

PHONE
(512) 463-6751

MAIL:
PO Box 12967
Austin, Texas, 78711-2967

RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER 875732	DATE PERMIT ISSUED OR AMENDED (AMENDED) May 24, 2024	DISTRICT * 08																																														
API NUMBER 42-003-48499	FORM W-1 RECEIVED May 09, 2024	COUNTY ANDREWS																																														
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 1051.87																																														
OPERATOR OVINTIV USA INC. 370 17TH STREET STE 1700 DENVER, CO 80202		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (432) 684-5581																																														
LEASE NAME UL WASH PARK 2B		WELL NUMBER 2HD																																														
LOCATION 15.3 miles E direction from ANDREWS		TOTAL DEPTH 9600																																														
Section, Block and/or Survey SECTION ◀ 2 BLOCK ◀ 8 ABSTRACT ◀ U220 SURVEY ◀ UL																																																
DISTANCE TO SURVEY LINES 1171 ft. NORTH 1026 ft. WEST		DISTANCE TO NEAREST LEASE LINE ft.																																														
DISTANCE TO LEASE LINES 1171 ft. NORTH 1026 ft. WEST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below																																														
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p> <p align="center">** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) **</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">FIELD NAME LEASE NAME</th> <th style="text-align: right;">ACRES NEAREST LEASE</th> <th style="text-align: right;">DEPTH NEAREST LEASE</th> <th style="text-align: right;">WELL # NEAREST WE</th> <th style="text-align: right;">DIST</th> </tr> </thead> <tbody> <tr> <td colspan="5"><hr/></td> </tr> <tr> <td>** SPRABERRY (TREND AREA)</td> <td style="text-align: right;">1051.87</td> <td style="text-align: right;">9,600</td> <td style="text-align: right;">2HD</td> <td style="text-align: right;">08</td> </tr> <tr> <td>UL WASH PARK 2B</td> <td></td> <td></td> <td style="text-align: right;">259</td> <td></td> </tr> <tr> <td colspan="5"><hr/></td> </tr> <tr> <td colspan="5">WELLBORE PROFILE(s) FOR FIELD: Horizontal</td> </tr> <tr> <td colspan="5"><hr/></td> </tr> <tr> <td colspan="5"> RESTRICTIONS: No perforations or take points may be placed in the wellbore where a "NO PERF ZONE" was designated on the plat that was approved for this permit. If at such time the NPZ's are no longer applicable, then an amended permit will be required to remove the NPZ restriction before completing the well. Lateral: TH1 Penetration Point Location Lease Lines: 466.0 F NORTH L 786.0 F WEST L Terminus Location BH County: ANDREWS Section: 26 Block: 5 Abstract: Survey: UL / A-U130 Lease Lines: 5.0 F NORTH L 556.0 F EAST L Survey Lines: 2635.0 F SOUTH L 779.0 F WEST L </td> </tr> <tr> <td colspan="5" style="vertical-align: top;"> <p>'**' PRECEDING FIELD NAME INDICATES RULE (R37)</p> <p align="center">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</p> </td> </tr> </tbody></table>				FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST LEASE	WELL # NEAREST WE	DIST	<hr/>					** SPRABERRY (TREND AREA)	1051.87	9,600	2HD	08	UL WASH PARK 2B			259		<hr/>					WELLBORE PROFILE(s) FOR FIELD: Horizontal					<hr/>					RESTRICTIONS: No perforations or take points may be placed in the wellbore where a "NO PERF ZONE" was designated on the plat that was approved for this permit. If at such time the NPZ's are no longer applicable, then an amended permit will be required to remove the NPZ restriction before completing the well. Lateral: TH1 Penetration Point Location Lease Lines: 466.0 F NORTH L 786.0 F WEST L Terminus Location BH County: ANDREWS Section: 26 Block: 5 Abstract: Survey: UL / A-U130 Lease Lines: 5.0 F NORTH L 556.0 F EAST L Survey Lines: 2635.0 F SOUTH L 779.0 F WEST L					<p>'**' PRECEDING FIELD NAME INDICATES RULE (R37)</p> <p align="center">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</p>				
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST LEASE	WELL # NEAREST WE	DIST																																												
<hr/>																																																
** SPRABERRY (TREND AREA)	1051.87	9,600	2HD	08																																												
UL WASH PARK 2B			259																																													
<hr/>																																																
WELLBORE PROFILE(s) FOR FIELD: Horizontal																																																
<hr/>																																																
RESTRICTIONS: No perforations or take points may be placed in the wellbore where a "NO PERF ZONE" was designated on the plat that was approved for this permit. If at such time the NPZ's are no longer applicable, then an amended permit will be required to remove the NPZ restriction before completing the well. Lateral: TH1 Penetration Point Location Lease Lines: 466.0 F NORTH L 786.0 F WEST L Terminus Location BH County: ANDREWS Section: 26 Block: 5 Abstract: Survey: UL / A-U130 Lease Lines: 5.0 F NORTH L 556.0 F EAST L Survey Lines: 2635.0 F SOUTH L 779.0 F WEST L																																																
<p>'**' PRECEDING FIELD NAME INDICATES RULE (R37)</p> <p align="center">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</p>																																																

RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER <div style="text-align: right;">875732</div>	DATE PERMIT ISSUED OR AMENDED (AMENDED) May 24, 2024	DISTRICT <div style="text-align: center;">* 08</div>										
API NUMBER <div style="text-align: right;">42-003-48499</div>	FORM W-1 RECEIVED <div style="text-align: center;">May 09, 2024</div>	COUNTY <div style="text-align: center;">ANDREWS</div>										
TYPE OF OPERATION <div style="text-align: center;">NEW DRILL</div>	WELLBORE PROFILE(S) <div style="text-align: center;">Horizontal</div>	ACRES <div style="text-align: center;">1051.87</div>										
OPERATOR <div style="text-align: right;">628658</div> <div style="text-align: center;">OVINTIV USA INC.</div> <div style="text-align: center;">370 17TH STREET STE 1700</div> <div style="text-align: center;">DENVER, CO 80202</div>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <div style="text-align: center;">District Office Telephone No:</div> <div style="text-align: center;">(432) 684-5581</div>										
LEASE NAME <div style="text-align: center;">UL WASH PARK 2B</div>		WELL NUMBER <div style="text-align: center;">2HD</div>										
LOCATION <div style="text-align: center;">15.3 miles E direction from ANDREWS</div>		TOTAL DEPTH <div style="text-align: center;">9600</div>										
Section, Block and/or Survey <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> SECTION 2 SURVEY UL </div> <div style="width: 30%;"> BLOCK 8 </div> <div style="width: 30%;"> ABSTRACT U220 </div> </div>												
DISTANCE TO SURVEY LINES <div style="text-align: center;">1171 ft. NORTH 1026 ft. WEST</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">ft.</div>										
DISTANCE TO LEASE LINES <div style="text-align: center;">1171 ft. NORTH 1026 ft. WEST</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: center;">See FIELD(s) Below</div>										
FIELD(s) and LIMITATIONS: <div style="text-align: center; margin-top: 10px;"> * SEE FIELD DISTRICT FOR REPORTING PURPOSES * ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) ** </div> <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="width: 60%;">FIELD NAME</th> <th style="width: 10%;">ACRES</th> <th style="width: 10%;">DEPTH</th> <th style="width: 10%;">WELL #</th> <th style="width: 10%;">DIST</th> </tr> </thead> <tbody> <tr> <td>LEASE NAME</td> <td>NEAREST LEASE</td> <td></td> <td>NEAREST WE</td> <td></td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 20px;">This well shall be completed and produced in compliance with applicable special field or statewide spacing and density rules. If this well is to be used for brine mining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97.</p> <p style="font-size: small;">Currently there are no identified formations listed for this county. It is still the operators responsibility to isolate and report any potential flow zones that are encountered in the completion of this well.</p>			FIELD NAME	ACRES	DEPTH	WELL #	DIST	LEASE NAME	NEAREST LEASE		NEAREST WE	
FIELD NAME	ACRES	DEPTH	WELL #	DIST								
LEASE NAME	NEAREST LEASE		NEAREST WE									