

Percussion Petroleum II, LLC

Winkler Co., TX (NAD-27)

UL Yellowtail Pad

UL Yellowtail West G 21-29-17 WA 7H

OH

Design: OH

TRRC Certified Surveys

27 October, 2022

TRRC Certified Surveys

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Yellowtail West G 21-29-17 WA 7H
Project:	Winkler Co., TX (NAD-27)	TVD Reference:	RKB @ 2784.00usft
Site:	UL Yellowtail Pad	MD Reference:	RKB @ 2784.00usft
Well:	UL Yellowtail West G 21-29-17 WA 7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	FHartmann

Project	Winkler Co., TX (NAD-27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Texas Central 4203		

Site		UL Yellowtail Pad				
Site Position:		Northing:	755,364.37 usft	Latitude:	31.711020	
From:	Map	Easting:	1,094,929.80 usft	Longitude:	-103.244063	
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.50 °

Well	UL Yellowtail West G 21-29-17 WA 7H					
Well Position	+N/-S	0.00 usft	Northing:	755,378.67 usft	Latitude:	31.711063
	+E/-W	0.00 usft	Easting:	1,094,977.69 usft	Longitude:	-103.243910
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,763.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022_FILE	3/10/2022	6.68	59.48	47,132.60000000

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	343.72	

Survey Program	Date	10/27/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
190.00	22,506.00	MWD Surveys (OH)	MWD+HRGM	OWSG MWD + HRGM	

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	0.16	36.77	190.00	0.21	0.16	0.27	36.77	
First Survey @ 190								
235.00	0.20	32.69	235.00	0.33	0.24	0.41	35.98	
326.00	0.27	71.67	326.00	0.53	0.53	0.75	44.90	
418.00	0.42	80.21	418.00	0.66	1.07	1.25	58.42	
512.00	0.32	112.95	512.00	0.61	1.65	1.76	69.63	
601.00	0.48	115.01	600.99	0.36	2.21	2.24	80.83	
692.00	0.41	102.36	691.99	0.13	2.88	2.88	87.48	
782.00	1.54	62.60	781.98	0.61	4.27	4.31	81.81	
876.00	3.85	62.63	875.87	2.65	8.19	8.61	72.09	
969.00	5.76	59.57	968.54	6.45	14.99	16.32	66.73	

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	FHartmann

Survey								
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1,062.00	7.32	52.17	1,060.93	12.44	23.69	26.76	62.29	
1,155.00	7.55	51.97	1,153.15	19.84	33.18	38.66	59.12	
1,249.00	8.25	51.32	1,246.25	27.86	43.31	51.50	57.25	
1,342.00	8.53	51.47	1,338.26	36.33	53.92	65.01	56.03	
1,435.00	8.63	53.12	1,430.22	44.81	64.89	78.86	55.37	
1,529.00	9.02	52.95	1,523.11	53.48	76.42	93.27	55.01	
1,623.00	9.14	54.69	1,615.93	62.24	88.39	108.10	54.85	
1,718.00	9.33	55.22	1,709.70	70.99	100.87	123.35	54.86	
1,810.00	9.61	55.57	1,800.44	79.59	113.33	138.49	54.92	
1,905.00	10.16	56.08	1,894.03	88.75	126.82	154.79	55.02	
1,998.00	10.62	55.81	1,985.51	98.14	140.72	171.56	55.11	
2,090.00	11.16	55.97	2,075.85	107.89	155.11	188.94	55.18	
2,183.00	12.13	55.83	2,166.93	118.41	170.65	207.71	55.24	
2,275.00	11.64	60.10	2,256.96	128.47	186.70	226.63	55.47	
2,368.00	11.06	60.69	2,348.14	137.51	202.61	244.87	55.84	
2,461.00	10.39	60.38	2,439.52	146.02	217.68	262.12	56.15	
2,554.00	9.71	60.38	2,531.09	154.04	231.79	278.31	56.39	
2,647.00	9.05	61.40	2,622.85	161.42	245.03	293.42	56.62	
2,740.00	9.05	59.12	2,714.69	168.68	257.73	308.02	56.80	
2,832.00	9.16	59.17	2,805.53	176.14	270.22	322.56	56.90	
2,924.00	9.36	59.54	2,896.33	183.69	282.96	337.36	57.01	
3,017.00	9.43	58.15	2,988.08	191.54	295.95	352.53	57.09	
3,110.00	10.05	58.82	3,079.74	199.76	309.37	368.26	57.15	
3,202.00	8.52	59.88	3,170.54	207.34	322.13	383.09	57.23	
3,296.00	8.66	58.73	3,263.48	214.51	334.20	397.12	57.31	
3,388.00	8.83	57.17	3,354.41	221.93	346.05	411.11	57.33	
3,481.00	9.06	59.44	3,446.28	229.52	358.36	425.56	57.36	
3,573.00	9.08	57.96	3,537.13	237.06	370.75	440.06	57.40	
3,666.00	7.89	59.69	3,629.11	244.17	382.48	453.78	57.45	
3,759.00	6.63	57.79	3,721.36	250.26	392.53	465.52	57.48	
3,851.00	7.06	58.00	3,812.71	256.08	401.82	476.49	57.49	
3,944.00	8.58	55.03	3,904.84	263.09	412.35	489.13	57.46	
4,036.00	8.97	54.54	3,995.76	271.18	423.82	503.15	57.39	
4,129.00	9.62	53.77	4,087.54	279.98	435.99	518.15	57.29	
4,221.00	9.71	53.29	4,178.24	289.16	448.41	533.56	57.18	
4,314.00	10.14	53.82	4,269.84	298.68	461.31	549.56	57.08	
4,407.00	9.82	61.66	4,361.44	307.28	474.90	565.64	57.10	
4,499.00	9.50	65.69	4,452.14	314.13	488.72	580.97	57.27	
4,592.00	9.51	62.21	4,543.86	320.87	502.51	596.22	57.44	
4,684.00	9.88	62.14	4,634.55	328.11	516.22	611.66	57.56	
4,777.00	8.13	62.47	4,726.40	334.87	529.10	626.17	57.67	
4,869.00	6.77	59.89	4,817.62	340.60	539.56	638.07	57.74	
4,962.00	6.68	59.94	4,909.98	346.06	548.99	648.96	57.77	
5,055.00	6.32	60.33	5,002.38	351.30	558.11	659.47	57.81	

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Well:	UL Yellowtail West G 21-29-17 WA 7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	FHartmann

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
5,174.00	5.95	59.67	5,120.70	357.66	569.13	672.18	57.85	
5,269.00	7.04	41.18	5,215.10	364.53	577.21	682.68	57.73	
5,363.00	8.14	35.53	5,308.28	374.28	584.87	694.38	57.38	
5,456.00	6.99	34.38	5,400.46	384.31	591.90	705.72	57.00	
5,550.00	5.92	33.83	5,493.87	393.06	597.82	715.46	56.68	
5,644.00	5.94	29.27	5,587.36	401.33	602.90	724.26	56.35	
5,738.00	6.29	7.00	5,680.84	410.68	605.91	731.97	55.87	
5,832.00	5.42	348.15	5,774.36	420.14	605.62	737.09	55.25	
5,926.00	5.09	345.66	5,867.96	428.52	603.68	740.31	54.63	
6,020.00	4.64	343.60	5,961.63	436.21	601.57	743.08	54.05	
6,115.00	4.46	340.18	6,056.33	443.37	599.24	745.43	53.50	
6,210.00	4.55	339.25	6,151.03	450.37	596.65	747.55	52.95	
6,303.00	4.35	338.27	6,243.75	457.10	594.04	749.54	52.42	
6,397.00	4.62	336.16	6,337.47	463.87	591.19	751.45	51.88	
6,491.00	4.40	337.57	6,431.17	470.67	588.28	753.39	51.34	
6,585.00	3.77	23.18	6,524.96	476.84	588.12	757.14	50.97	
6,678.00	3.67	29.61	6,617.76	482.24	590.79	762.62	50.78	
6,772.00	1.65	15.72	6,711.66	486.16	592.65	766.54	50.64	
6,866.00	0.26	333.69	6,805.64	487.65	592.92	767.70	50.56	
6,960.00	0.67	327.06	6,899.64	488.31	592.53	767.81	50.51	
7,054.00	0.62	316.56	6,993.63	489.14	591.88	767.84	50.43	
7,149.00	0.32	285.18	7,088.63	489.58	591.27	767.65	50.37	
7,244.00	0.50	263.88	7,183.63	489.61	590.60	767.15	50.34	
7,337.00	0.45	296.34	7,276.62	489.72	589.87	766.67	50.30	
7,431.00	0.33	291.39	7,370.62	489.99	589.29	766.38	50.26	
7,616.00	0.07	263.28	7,555.62	490.17	588.68	766.03	50.22	
7,709.00	0.45	165.32	7,648.62	489.81	588.71	765.83	50.24	
7,804.00	0.83	180.56	7,743.61	488.76	588.80	765.23	50.30	
7,898.00	1.05	183.42	7,837.60	487.22	588.74	764.20	50.39	
7,993.00	0.92	193.01	7,932.59	485.61	588.52	763.00	50.47	
8,087.00	0.66	210.43	8,026.58	484.40	588.08	761.89	50.52	
8,182.00	0.99	207.95	8,121.57	483.21	587.41	760.62	50.56	
8,276.00	1.22	218.31	8,215.55	481.70	586.41	758.89	50.60	
8,370.00	1.25	226.05	8,309.53	480.21	585.06	756.89	50.62	
8,464.00	1.07	229.73	8,403.51	478.93	583.65	755.00	50.63	
8,559.00	1.06	230.67	8,498.49	477.80	582.29	753.23	50.63	
8,652.00	0.77	204.73	8,591.48	476.69	581.36	751.81	50.65	
8,747.00	1.36	170.61	8,686.47	474.99	581.28	750.67	50.75	
8,841.00	1.42	162.69	8,780.44	472.78	581.81	749.68	50.90	
8,936.00	1.24	162.90	8,875.41	470.68	582.46	748.86	51.06	
9,030.00	1.31	179.37	8,969.39	468.63	582.77	747.82	51.20	
9,124.00	1.23	198.26	9,063.37	466.60	582.47	746.31	51.30	
9,217.00	1.09	198.32	9,156.35	464.81	581.88	744.73	51.38	
9,310.00	0.82	225.12	9,249.34	463.50	581.13	743.33	51.42	
9,403.00	0.80	216.37	9,342.33	462.51	580.27	742.04	51.44	

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Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
9,498.00	0.98	228.33	9,437.32	461.43	579.27	740.59	51.46
9,592.00	1.60	216.60	9,531.29	459.84	577.89	738.52	51.49
9,686.00	2.09	201.92	9,625.24	457.20	576.47	735.76	51.58
9,781.00	3.72	166.63	9,720.12	452.59	576.53	732.96	51.87
9,874.00	5.10	150.84	9,812.85	446.05	579.24	731.08	52.40
9,967.00	4.73	147.63	9,905.51	439.20	583.31	730.17	53.02
10,060.00	3.00	143.33	9,998.29	434.01	586.82	729.88	53.51
10,153.00	2.51	153.74	10,091.19	430.23	589.17	729.54	53.86
10,247.00	2.06	191.68	10,185.12	426.73	589.74	727.94	54.11
10,342.00	2.33	207.97	10,280.05	423.35	588.49	724.95	54.27
10,434.00	1.46	303.12	10,372.01	422.34	586.63	722.85	54.25
10,529.00	1.71	283.79	10,466.98	423.34	584.24	721.49	54.07
10,622.00	3.47	286.61	10,559.88	424.48	580.20	718.89	53.81
10,717.00	5.54	308.05	10,654.59	428.13	573.83	715.94	53.27
10,811.00	6.17	303.55	10,748.10	433.71	566.04	713.10	52.54
10,905.00	5.01	318.13	10,841.65	439.56	559.09	711.20	51.83
10,999.00	4.22	316.10	10,935.35	445.11	553.96	710.63	51.22
11,093.00	4.19	309.96	11,029.09	449.81	548.93	709.68	50.67
11,186.00	4.14	304.09	11,121.85	453.87	543.54	708.12	50.14
11,216.00	3.89	304.21	11,151.78	455.05	541.80	707.55	49.97
11,298.00	3.10	287.16	11,233.62	457.27	537.39	705.61	49.60
11,393.00	6.48	304.72	11,328.28	461.08	530.52	702.89	49.01
11,489.00	22.60	317.05	11,420.92	477.78	513.39	701.31	47.06
11,584.00	27.61	336.24	11,507.06	511.37	492.03	709.64	43.90
11,679.00	34.35	350.03	11,588.56	558.03	478.49	735.08	40.61
11,774.00	49.85	353.85	11,658.85	620.92	469.90	778.68	37.12
11,869.00	60.13	354.89	11,713.28	698.25	462.32	837.43	33.51
11,964.00	68.94	353.02	11,754.09	783.45	453.25	905.11	30.05
12,059.00	76.30	345.41	11,782.48	872.35	436.19	975.32	26.57
12,155.00	87.21	344.03	11,796.23	963.85	411.18	1,047.89	23.10
12,250.00	90.10	345.47	11,798.46	1,055.47	386.20	1,123.91	20.10
12,345.00	89.31	344.07	11,798.95	1,147.13	361.25	1,202.67	17.48
12,438.00	86.96	344.47	11,801.98	1,236.59	336.05	1,281.44	15.20
12,533.00	89.12	343.41	11,805.23	1,327.82	309.78	1,363.48	13.13
12,628.00	90.74	341.68	11,805.34	1,418.44	281.29	1,446.07	11.22
12,724.00	94.12	341.78	11,801.27	1,509.51	251.23	1,530.27	9.45
12,818.00	91.53	343.08	11,796.64	1,599.01	222.89	1,614.47	7.94
12,913.00	90.01	344.51	11,795.36	1,690.22	196.38	1,701.59	6.63
13,008.00	88.11	344.16	11,796.92	1,781.67	170.73	1,789.83	5.47
13,103.00	87.21	343.72	11,800.80	1,872.89	144.47	1,878.45	4.41
13,199.00	86.67	343.26	11,805.92	1,964.80	117.23	1,968.29	3.41
13,294.00	88.08	342.45	11,810.27	2,055.48	89.26	2,057.42	2.49
13,390.00	89.65	341.15	11,812.18	2,146.65	59.28	2,147.47	1.58
13,486.00	89.34	344.87	11,813.02	2,238.44	31.23	2,238.66	0.80

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13,581.00	89.82	343.34	11,813.72	2,329.81	5.22	2,329.81	0.13	
13,676.00	88.86	346.12	11,814.81	2,421.44	-19.80	2,421.52	359.53	
13,771.00	90.55	345.75	11,815.30	2,513.58	-42.88	2,513.95	359.02	
13,867.00	86.53	345.78	11,817.75	2,606.59	-66.48	2,607.43	358.54	
13,961.00	87.94	346.38	11,822.28	2,697.72	-89.06	2,699.19	358.11	
14,056.00	90.04	344.88	11,823.96	2,789.72	-112.64	2,791.99	357.69	
14,150.00	86.59	345.49	11,826.72	2,880.54	-136.66	2,883.78	357.28	
14,245.00	87.07	346.11	11,831.97	2,972.50	-159.93	2,976.80	356.92	
14,340.00	90.44	347.57	11,834.04	3,064.97	-181.55	3,070.34	356.61	
14,435.00	89.45	347.94	11,834.13	3,157.80	-201.69	3,164.24	356.35	
14,529.00	91.89	348.82	11,833.03	3,249.86	-220.62	3,257.34	356.12	
14,624.00	88.75	342.74	11,832.50	3,341.90	-243.95	3,350.79	355.83	
14,717.00	90.44	342.73	11,833.16	3,430.70	-271.55	3,441.43	355.47	
14,812.00	84.85	341.72	11,837.06	3,521.05	-300.51	3,533.85	355.12	
14,908.00	85.94	339.96	11,844.77	3,611.44	-331.92	3,626.66	354.75	
15,002.00	87.46	338.06	11,850.18	3,699.05	-365.53	3,717.06	354.36	
15,095.00	89.31	336.19	11,852.80	3,784.69	-401.66	3,805.94	353.94	
15,187.00	88.67	340.45	11,854.42	3,870.15	-435.64	3,894.59	353.58	
15,281.00	87.13	344.00	11,857.87	3,959.58	-464.31	3,986.71	353.31	
15,374.00	87.55	344.19	11,862.18	4,048.93	-489.77	4,078.44	353.10	
15,469.00	88.58	343.79	11,865.39	4,140.19	-515.96	4,172.21	352.90	
15,563.00	89.73	342.94	11,866.78	4,230.24	-542.86	4,264.93	352.69	
15,656.00	89.99	347.53	11,867.00	4,320.15	-566.56	4,357.14	352.53	
15,751.00	91.33	347.00	11,865.91	4,412.80	-587.50	4,451.74	352.42	
15,846.00	89.23	347.29	11,865.45	4,505.41	-608.63	4,546.34	352.31	
15,940.00	89.15	345.92	11,866.78	4,596.85	-630.41	4,639.87	352.19	
16,034.00	91.98	346.79	11,865.85	4,688.18	-652.58	4,733.38	352.08	
16,128.00	91.41	346.75	11,863.07	4,779.64	-674.08	4,826.94	351.97	
16,220.00	82.99	342.46	11,867.56	4,868.14	-698.44	4,917.99	351.84	
16,314.00	82.65	340.61	11,879.31	4,956.60	-727.97	5,009.77	351.64	
16,409.00	82.94	339.93	11,891.22	5,045.31	-759.79	5,102.20	351.44	
16,503.00	85.81	340.61	11,900.44	5,133.36	-791.37	5,194.00	351.24	
16,598.00	86.93	339.39	11,906.45	5,222.45	-823.79	5,287.02	351.04	
16,663.00	88.36	338.75	11,909.12	5,283.10	-846.99	5,350.57	350.89	
16,756.00	90.66	340.59	11,909.92	5,370.30	-879.30	5,441.81	350.70	
16,850.00	90.10	344.01	11,909.30	5,459.83	-907.87	5,534.80	350.56	
16,945.00	89.40	342.99	11,909.71	5,550.92	-934.85	5,629.09	350.44	
17,038.00	91.78	346.05	11,908.75	5,640.52	-959.67	5,721.58	350.34	
17,132.00	92.54	346.21	11,905.21	5,731.72	-982.19	5,815.26	350.28	
17,227.00	91.92	345.84	11,901.51	5,823.83	-1,005.11	5,909.93	350.21	
17,320.00	91.92	348.74	11,898.40	5,914.49	-1,025.56	6,002.75	350.16	
17,412.00	90.97	347.55	11,896.08	6,004.50	-1,044.45	6,094.66	350.13	
17,506.00	91.86	347.23	11,893.75	6,096.20	-1,064.97	6,188.53	350.09	
17,597.00	92.20	348.12	11,890.53	6,185.05	-1,084.38	6,279.39	350.06	

TRRC Certified Surveys

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Yellowtail West G 21-29-17 WA 7H
Project:	Winkler Co., TX (NAD-27)	TVD Reference:	RKB @ 2784.00usft
Site:	UL Yellowtail Pad	MD Reference:	RKB @ 2784.00usft
Well:	UL Yellowtail West G 21-29-17 WA 7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	FHartmann

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
17,691.00	92.31	348.26	11,886.83	6,276.99	-1,103.60	6,373.27	350.03	
17,783.00	91.84	347.45	11,883.50	6,366.87	-1,122.95	6,465.14	350.00	
17,878.00	91.72	346.75	11,880.55	6,459.43	-1,144.14	6,559.97	349.96	
17,970.00	91.19	346.73	11,878.21	6,548.95	-1,165.24	6,651.80	349.91	
18,064.00	91.30	347.40	11,876.17	6,640.54	-1,186.28	6,745.67	349.87	
18,158.00	92.14	347.81	11,873.35	6,732.30	-1,206.44	6,839.55	349.84	
18,251.00	90.32	345.40	11,871.35	6,822.74	-1,227.98	6,932.37	349.80	
18,343.00	87.97	343.60	11,872.73	6,911.38	-1,252.56	7,023.96	349.73	
18,437.00	88.30	342.34	11,875.79	7,001.21	-1,280.08	7,117.27	349.64	
18,531.00	89.54	342.57	11,877.56	7,090.82	-1,308.41	7,210.52	349.55	
18,626.00	92.31	345.05	11,876.02	7,182.02	-1,334.89	7,305.02	349.47	
18,719.00	91.75	342.55	11,872.73	7,271.26	-1,360.82	7,397.51	349.40	
18,814.00	90.66	340.98	11,870.73	7,361.47	-1,390.54	7,491.65	349.30	
18,908.00	91.67	346.38	11,868.82	7,451.63	-1,416.94	7,585.15	349.23	
19,001.00	92.42	347.77	11,865.50	7,542.21	-1,437.72	7,678.02	349.21	
19,094.00	92.12	348.94	11,861.82	7,633.22	-1,456.48	7,770.94	349.20	
19,185.00	90.91	348.33	11,859.41	7,722.41	-1,474.41	7,861.90	349.19	
19,280.00	90.66	349.37	11,858.11	7,815.60	-1,492.77	7,956.89	349.19	
19,374.00	89.87	349.08	11,857.67	7,907.94	-1,510.35	8,050.88	349.19	
19,468.00	90.38	348.14	11,857.47	8,000.09	-1,528.91	8,144.88	349.18	
19,562.00	90.15	346.17	11,857.03	8,091.73	-1,549.81	8,238.81	349.16	
19,657.00	89.82	345.77	11,857.06	8,183.90	-1,572.84	8,333.67	349.12	
19,750.00	90.27	347.88	11,856.99	8,274.45	-1,594.03	8,426.59	349.10	
19,843.00	90.99	345.74	11,855.96	8,364.98	-1,615.25	8,519.50	349.07	
19,936.00	90.91	345.42	11,854.42	8,455.04	-1,638.41	8,612.32	349.03	
20,030.00	93.35	344.58	11,850.93	8,545.76	-1,662.72	8,706.02	348.99	
20,124.00	91.61	339.61	11,846.86	8,635.10	-1,691.58	8,799.22	348.92	
20,218.00	93.63	340.94	11,842.56	8,723.48	-1,723.27	8,892.06	348.83	
20,312.00	93.38	340.33	11,836.81	8,812.00	-1,754.38	8,984.94	348.74	
20,406.00	89.57	343.29	11,834.39	8,901.24	-1,783.71	9,078.20	348.67	
20,500.00	89.45	343.54	11,835.20	8,991.33	-1,810.54	9,171.81	348.61	
20,594.00	89.15	343.06	11,836.35	9,081.36	-1,837.55	9,265.40	348.56	
20,687.00	88.22	342.62	11,838.48	9,170.19	-1,864.98	9,357.92	348.50	
20,781.00	86.62	341.12	11,842.71	9,259.43	-1,894.20	9,451.19	348.44	
20,876.00	89.34	344.33	11,846.06	9,350.07	-1,922.38	9,545.65	348.38	
20,970.00	91.33	348.12	11,845.51	9,441.34	-1,944.76	9,639.56	348.36	
21,064.00	90.04	344.63	11,844.39	9,532.68	-1,966.90	9,733.48	348.34	
21,158.00	93.10	346.62	11,841.81	9,623.68	-1,990.22	9,827.32	348.32	
21,253.00	94.11	347.88	11,835.84	9,716.15	-2,011.15	9,922.11	348.31	
21,348.00	94.14	348.60	11,829.01	9,808.92	-2,030.46	10,016.87	348.30	
21,442.00	92.31	343.66	11,823.71	9,900.00	-2,052.95	10,110.62	348.28	
21,537.00	92.59	344.56	11,819.65	9,991.28	-2,078.94	10,205.28	348.25	
21,632.00	92.51	345.09	11,815.43	10,082.88	-2,103.78	10,300.02	348.21	
21,727.00	91.33	344.36	11,812.24	10,174.47	-2,128.80	10,394.79	348.18	

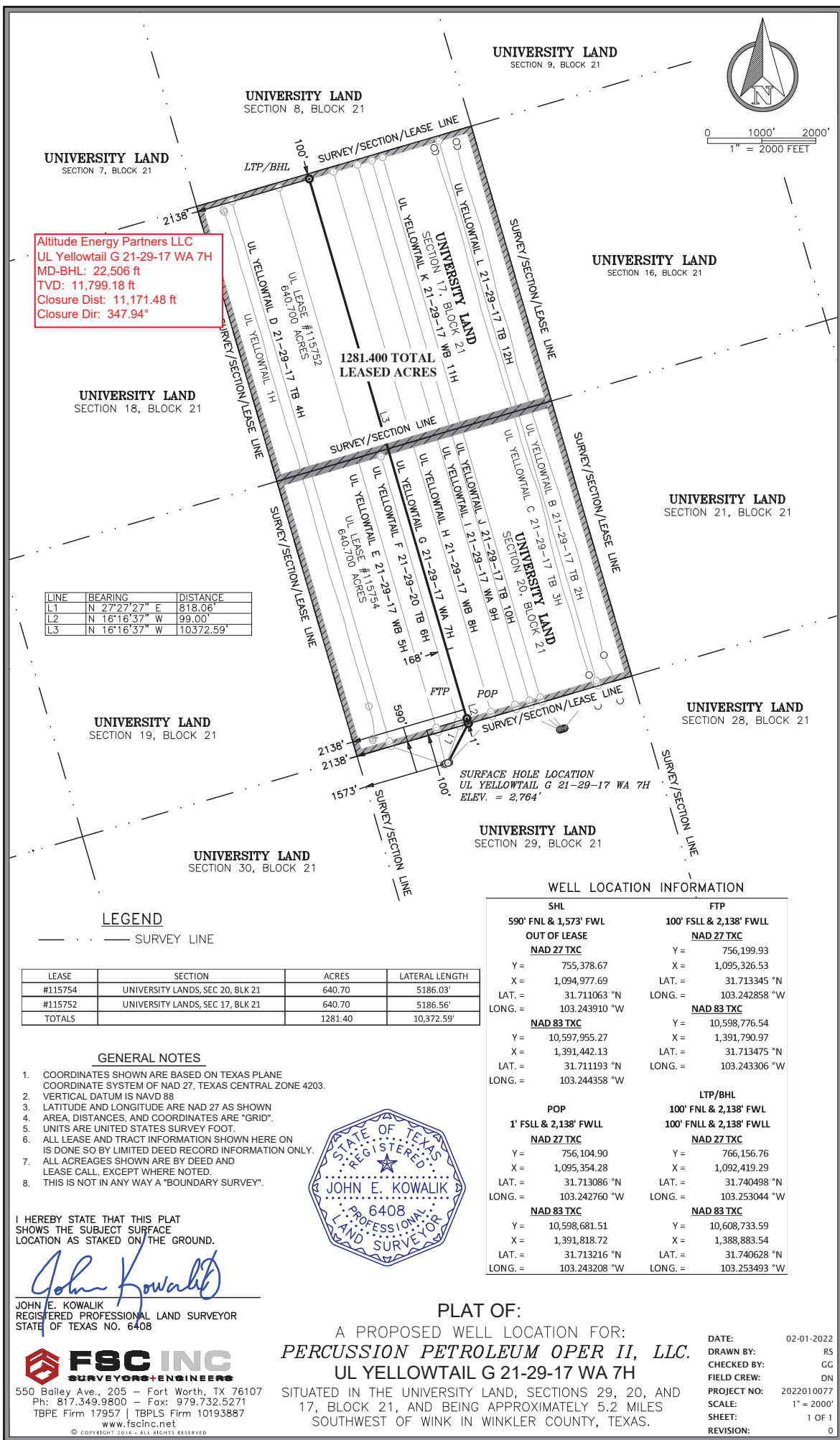
TRRC Certified Surveys

Company:	Percussion Petroleum II, LLC	Local Co-ordinate Reference:	Well UL Yellowtail West G 21-29-17 WA 7H
Project:	Winkler Co., TX (NAD-27)	TVD Reference:	RKB @ 2784.00usft
Site:	UL Yellowtail Pad	MD Reference:	RKB @ 2784.00usft
Well:	UL Yellowtail West G 21-29-17 WA 7H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	FHartmann

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
21,821.00	89.90	341.70	11,811.23	10,264.36	-2,156.23	10,488.40	348.14	
21,915.00	87.88	339.44	11,813.06	10,352.98	-2,187.49	10,581.56	348.07	
22,010.00	92.51	344.66	11,812.73	10,443.30	-2,216.75	10,675.98	348.02	
22,104.00	92.09	345.04	11,808.96	10,533.96	-2,241.29	10,769.76	347.99	
22,199.00	91.64	345.52	11,805.87	10,625.79	-2,265.42	10,864.60	347.96	
22,292.00	91.30	347.03	11,803.48	10,716.11	-2,287.48	10,957.53	347.95	
22,385.00	91.22	348.44	11,801.44	10,806.96	-2,307.23	11,050.51	347.95	
22,443.00	91.02	347.23	11,800.30	10,863.64	-2,319.45	11,108.49	347.95	
Last Survey @ 22443								
22,506.00	91.02	347.23	11,799.18	10,925.08	-2,333.37	11,171.48	347.94	
TD @ 22506								

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
190.00	190.00	0.21	0.16	First Survey @ 190	
22,443.00	11,800.30	10,863.64	-2,319.45	Last Survey @ 22443	
22,506.00	11,799.18	10,925.08	-2,333.37	TD @ 22506	

Checked By: _____ Approved By: _____ Date: _____





ALTITUDE ENERGY PARTNERS LLC. SURVEY DATA CERTIFICATION

ALTITUDE JOB NUMBER	AEP-PB-220149	OPERATOR	Percussion Petroleum Oper II, LLC
WELL NAME	UL Yellowtail West G 21-29-17 WA 7H	COUNTY & STATE	Winkler, Texas
API WELL NUMBER	42-495-34697	PROPOSED DIRECTION	343.72
Latitude	31.711063	Longitude	-103.243910

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
0	0	0	0	0	0	Surface
FIRST	FIRST				SURVEY INSTRUMENT	
SURVEY	SURVEY				TYPE	
DATE	DEPTH	INCLIN	AZIMUTH		MWD	
3-28-22	190	0.16	36.77	MAGNETIC DECLINATION OR TOTAL GRID		
LAST	LAST			TOTAL CORRECTION USED		8.18
SURVEY	SURVEY			DECLINATION OR GRID		Grid
DATE	DEPTH	INCLIN	AZIMUTH			
7-01-22	22443	91.02	347.23			
PROJECTED	PROJECTED					
TD SURVEY	TD SURVEY					
DATE	DEPTH	INCLIN	AZIMUTH			
7-01-22	22506	91.02	347.23			

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by Altitude Energy Partners LLC. I am authorized and qualified to review the data, calculations and this report, and that the report represents a true and correct Directional Survey of this well based on the original data corrected to True North and obtained at the well site. Wellbore coordinates are calculated using Minimum curvature or other method.

Julie Schmautz

PRINT MWD NAME ABOVE

Julie A Schmautz

SIGN MWD NAME ABOVE

7-1-22

TODAY'S DATE