

DrilTech, LLC MWD Survey Report



Company: Ring Energy, Inc.
 Well: University Block 14 Cons #2503XH
 Location: Andrews Co., TX
 Rig: Norton Energy 6

Job Number: DM-2022-263-REDT-TX
 Vertical Section Plane: 167.16
 Well API Number: 42-003-47983
 Tie Into: Invictus Wildfire MWD Surveys

All Azimuths
 Corrected To: **Grid North**

Calculation Method: Minimum Curvature

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')		
								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)					
Tie In	MWD	1680.00	0.80	4.80	0.00	1679.92	0.00	15.40	N	2.60	E			0.00	0.00	
1	MWD	1777.00	1.06	12.84	97	1776.91	-15.89	16.95	N	2.86	E	17.19	9.56	0.30	0.27	8.29
2	MWD	1840.00	0.70	32.18	63	1839.90	-16.69	17.84	N	3.19	E	18.13	10.14	0.73	-0.57	30.70
3	MWD	1935.00	0.70	162.96	95	1934.90	-16.52	17.78	N	3.67	E	18.15	11.66	1.34	0.00	137.66
4	MWD	2030.00	0.88	180.71	95	2029.89	-15.23	16.50	N	3.83	E	16.93	13.07	0.32	0.19	18.68
5	MWD	2124.00	0.70	164.19	94	2123.88	-13.96	15.22	N	3.98	E	15.73	14.65	0.31	-0.19	-17.57
6	MWD	2219.00	0.88	164.72	95	2218.87	-12.65	13.96	N	4.33	E	14.61	17.23	0.19	0.19	0.56
7	MWD	2314.00	0.35	166.12	95	2313.86	-11.63	12.97	N	4.59	E	13.76	19.48	0.56	-0.56	1.47
8	MWD	2409.00	0.53	190.38	95	2408.86	-10.94	12.26	N	4.58	E	13.09	20.49	0.27	0.19	25.54
9	MWD	2504.00	0.53	210.25	95	2503.86	-10.21	11.45	N	4.28	E	12.22	20.50	0.19	0.00	20.92
10	MWD	2599.00	0.18	191.09	95	2598.86	-9.75	10.92	N	4.03	E	11.64	20.25	0.38	-0.37	-20.17
11	MWD	2695.00	0.88	186.34	96	2694.85	-8.92	10.04	N	3.92	E	10.78	21.32	0.73	0.73	-4.95
12	MWD	2790.00	1.06	155.05	95	2789.84	-7.37	8.52	N	4.21	E	9.50	26.30	0.58	0.19	-32.94
13	MWD	2884.00	0.88	133.43	94	2883.82	-5.92	7.24	N	5.10	E	8.85	35.18	0.43	-0.19	-23.00
14	MWD	2979.00	1.23	164.89	95	2978.81	-4.30	5.75	N	5.90	E	8.24	45.73	0.70	0.37	33.12
15	MWD	3074.00	1.06	204.09	95	3073.79	-2.57	3.96	N	5.80	E	7.03	55.68	0.83	-0.18	41.26
16	MWD	3169.00	1.06	207.61	95	3168.77	-1.20	2.38	N	5.04	E	5.57	64.70	0.07	0.00	3.71
17	MWD	3264.00	0.35	288.64	95	3263.77	-0.69	1.70	N	4.36	E	4.67	68.73	1.12	-0.75	85.29
18	MWD	3359.00	0.53	311.67	95	3358.77	-1.19	2.08	N	3.75	E	4.29	60.99	0.26	0.19	24.24
19	MWD	3454.00	0.18	328.55	95	3453.76	-1.69	2.50	N	3.35	E	4.18	53.24	0.38	-0.37	17.77
20	MWD	3549.00	0.53	339.27	95	3548.76	-2.27	3.04	N	3.11	E	4.35	45.70	0.37	0.37	11.28
21	MWD	3643.00	0.35	342.78	94	3642.76	-2.99	3.72	N	2.87	E	4.70	37.70	0.19	-0.19	3.73
22	MWD	3739.00	0.53	336.46	96	3738.76	-3.72	4.41	N	2.61	E	5.12	30.64	0.19	0.19	-6.58
23	MWD	3834.00	0.53	359.66	95	3833.75	-4.58	5.25	N	2.43	E	5.78	24.86	0.22	0.00	24.42
24	MWD	3898.00	0.53	88.78	64	3897.75	-4.81	5.55	N	2.73	E	6.18	26.16	1.16	0.00	139.25
25	MWD	3929.00	1.94	136.59	31	3928.74	-4.33	5.17	N	3.23	E	6.10	31.98	5.26	4.55	154.23
26	MWD	3961.00	4.40	144.33	32	3960.69	-2.73	3.78	N	4.32	E	5.74	48.79	7.79	7.69	24.19
27	MWD	3993.00	7.21	150.30	32	3992.52	0.33	1.04	N	6.03	E	6.12	80.22	8.97	8.78	18.66
28	MWD	4024.00	10.21	151.18	31	4023.16	4.83	3.06	S	8.32	E	8.86	110.19	9.69	9.68	2.84
29	MWD	4055.00	13.20	151.89	31	4053.52	10.89	8.59	S	11.31	E	14.20	127.21	9.66	9.65	2.29
30	MWD	4087.00	15.84	154.70	32	4084.49	18.68	15.76	S	14.90	E	21.69	136.61	8.54	8.25	8.78
31	MWD	4119.00	18.12	159.09	32	4115.10	27.87	24.36	S	18.54	E	30.61	142.72	8.17	7.13	13.72
32	MWD	4151.00	20.23	163.49	32	4145.32	38.32	34.31	S	21.89	E	40.70	147.46	7.99	6.59	13.75
33	MWD	4182.00	21.82	168.59	31	4174.26	49.43	45.10	S	24.55	E	51.35	151.44	7.82	5.13	16.45

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								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
34	MWD	4214.00	23.93	170.69	32	4203.74	61.85	57.34 S	26.78 E	63.28	154.96	7.07	6.59	6.56
35	MWD	4245.00	26.57	171.22	31	4231.78	75.05	70.40 S	28.86 E	76.08	157.71	8.55	8.52	1.71
36	MWD	4277.00	29.21	170.87	32	4260.06	89.98	85.18 S	31.19 E	90.71	159.89	8.27	8.25	-1.09
37	MWD	4308.00	32.20	169.99	31	4286.71	105.78	100.79 S	33.83 E	106.31	161.45	9.75	9.65	-2.84
38	MWD	4340.00	35.19	169.99	32	4313.33	123.51	118.27 S	36.91 E	123.89	162.67	9.34	9.34	0.00
39	MWD	4371.00	38.01	169.46	31	4338.21	141.97	136.45 S	40.21 E	142.25	163.58	9.15	9.10	-1.71
40	MWD	4403.00	40.29	169.64	32	4363.03	162.16	156.32 S	43.87 E	162.36	164.32	7.13	7.13	0.56
41	MWD	4435.00	42.40	168.76	32	4387.05	183.28	177.08 S	47.84 E	183.43	164.88	6.84	6.59	-2.75
42	MWD	4466.00	44.34	168.06	31	4409.58	204.56	197.93 S	52.12 E	204.68	165.25	6.45	6.26	-2.26
43	MWD	4498.00	46.28	167.35	32	4432.09	227.31	220.16 S	56.96 E	227.41	165.49	6.26	6.06	-2.22
44	MWD	4529.00	48.04	166.65	31	4453.17	250.04	242.30 S	62.08 E	250.13	165.63	5.91	5.68	-2.26
45	MWD	4561.00	49.97	166.65	32	4474.16	274.19	265.80 S	67.65 E	274.28	165.72	6.03	6.03	0.00
46	MWD	4592.00	52.08	166.65	31	4493.65	298.29	289.25 S	73.22 E	298.37	165.80	6.81	6.81	0.00
47	MWD	4624.00	53.49	167.18	32	4513.01	323.77	314.07 S	78.99 E	323.85	165.88	4.60	4.41	1.66
48	MWD	4655.00	55.60	168.23	31	4530.99	349.02	338.74 S	84.36 E	349.09	166.02	7.34	6.81	3.39
49	MWD	4687.00	58.24	169.46	32	4548.45	375.82	365.05 S	89.54 E	375.87	166.22	8.86	8.25	3.84
50	MWD	4718.00	60.53	170.52	31	4564.24	402.46	391.32 S	94.18 E	402.49	166.47	7.95	7.39	3.42
51	MWD	4750.00	61.41	170.69	32	4579.77	430.39	418.92 S	98.74 E	430.40	166.74	2.79	2.75	0.53
52	MWD	4782.00	61.58	170.52	32	4595.04	458.46	446.67 S	103.33 E	458.46	166.97	0.71	0.53	-0.53
53	MWD	4813.00	61.76	170.87	31	4609.75	485.70	473.59 S	107.75 E	485.70	167.18	1.15	0.58	1.13
54	MWD	4845.00	61.94	171.40	32	4624.85	513.84	501.47 S	112.09 E	513.85	167.40	1.56	0.56	1.66
55	MWD	4877.00	61.94	171.75	32	4639.90	542.00	529.41 S	116.23 E	542.02	167.62	0.97	0.00	1.09
56	MWD	4908.00	61.94	171.22	31	4654.48	569.28	556.46 S	120.28 E	569.31	167.80	1.51	0.00	-1.71
57	MWD	4940.00	61.94	171.57	32	4669.54	597.44	584.38 S	124.51 E	597.50	167.97	0.97	0.00	1.09
58	MWD	4971.00	62.11	171.75	31	4684.08	624.73	611.47 S	128.48 E	624.82	168.13	0.75	0.55	0.58
59	MWD	5003.00	64.22	171.05	32	4698.52	653.20	639.70 S	132.75 E	653.33	168.28	6.88	6.59	-2.19
60	MWD	5035.00	66.86	170.69	32	4711.77	682.27	668.46 S	137.37 E	682.43	168.39	8.31	8.25	-1.13
61	MWD	5066.00	69.33	170.17	31	4723.33	710.98	696.82 S	142.15 E	711.17	168.47	8.12	7.97	-1.68
62	MWD	5098.00	72.32	168.94	32	4733.84	741.18	726.53 S	147.64 E	741.38	168.51	10.02	9.34	-3.84
63	MWD	5130.00	75.48	168.23	32	4742.72	771.91	756.67 S	153.72 E	772.12	168.52	10.10	9.88	-2.22
64	MWD	5162.00	79.00	167.88	32	4749.78	803.11	787.20 S	160.18 E	803.33	168.50	11.05	11.00	-1.09
65	MWD	5194.00	82.35	167.18	32	4754.97	834.68	818.02 S	167.00 E	834.90	168.46	10.69	10.47	-2.19
66	MWD	5225.00	85.34	166.65	31	4758.29	865.50	848.04 S	173.98 E	865.70	168.41	9.79	9.65	-1.71
67	MWD	5257.00	87.45	166.12	32	4760.30	897.43	879.08 S	181.49 E	897.62	168.33	6.80	6.59	-1.66
68	MWD	5288.00	89.21	165.77	31	4761.21	928.41	909.14 S	189.02 E	928.58	168.25	5.79	5.68	-1.13
69	MWD	5352.00	91.32	165.95	64	4760.91	992.39	971.19 S	204.65 E	992.52	168.10	3.31	3.30	0.28
70	MWD	5447.00	91.85	166.30	95	4758.28	1087.34	1063.39 S	227.43 E	1087.43	167.93	0.67	0.56	0.37

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								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
71	MWD	5542.00	91.85	165.95	95	4755.22	1182.27	1155.56 S	250.20 E	1182.34	167.78	0.37	0.00	-0.37
72	MWD	5637.00	90.26	166.30	95	4753.47	1277.24	1247.77 S	272.97 E	1277.28	167.66	1.71	-1.67	0.37
73	MWD	5732.00	90.62	165.95	95	4752.74	1372.22	1340.00 S	295.75 E	1372.25	167.55	0.53	0.38	-0.37
74	MWD	5827.00	90.62	167.53	95	4751.71	1467.21	1432.46 S	317.54 E	1467.23	167.50	1.66	0.00	1.66
75	MWD	5922.00	89.91	168.23	95	4751.27	1562.20	1525.34 S	337.49 E	1562.23	167.52	1.05	-0.75	0.74
76	MWD	6017.00	90.44	168.41	95	4750.98	1657.18	1618.37 S	356.72 E	1657.22	167.57	0.59	0.56	0.19
77	MWD	6111.00	90.79	168.06	94	4749.97	1751.15	1710.39 S	375.88 E	1751.21	167.61	0.53	0.37	-0.37
78	MWD	6206.00	90.62	168.41	95	4748.80	1846.13	1803.39 S	395.25 E	1846.19	167.64	0.41	-0.18	0.37
79	MWD	6300.00	91.50	168.41	94	4747.06	1940.09	1895.45 S	414.13 E	1940.17	167.68	0.94	0.94	0.00
80	MWD	6395.00	90.62	168.41	95	4745.31	2035.05	1988.50 S	433.22 E	2035.14	167.71	0.93	-0.93	0.00
81	MWD	6490.00	90.62	167.53	95	4744.28	2130.03	2081.41 S	453.02 E	2130.14	167.72	0.93	0.00	-0.93
82	MWD	6585.00	89.21	165.42	95	4744.42	2225.02	2173.77 S	475.23 E	2225.11	167.67	2.67	-1.48	-2.22
83	MWD	6681.00	90.09	166.12	96	4745.01	2320.99	2266.82 S	498.83 E	2321.05	167.59	1.17	0.92	0.73
84	MWD	6776.00	91.32	166.65	95	4743.84	2415.97	2359.14 S	521.19 E	2416.02	167.54	1.41	1.29	0.56
85	MWD	6871.00	90.97	166.48	95	4741.94	2510.95	2451.52 S	543.26 E	2510.99	167.51	0.41	-0.37	-0.18
86	MWD	6965.00	92.02	167.18	94	4739.49	2604.91	2543.01 S	564.67 E	2604.95	167.48	1.34	1.12	0.74
87	MWD	7060.00	91.14	167.00	95	4736.87	2699.87	2635.58 S	585.88 E	2699.91	167.47	0.95	-0.93	-0.19
88	MWD	7154.00	89.91	166.12	94	4736.01	2793.86	2727.00 S	607.73 E	2793.89	167.44	1.61	-1.31	-0.94
89	MWD	7249.00	91.50	167.53	95	4734.84	2888.85	2819.48 S	629.38 E	2888.88	167.42	2.24	1.67	1.48
90	MWD	7344.00	91.32	168.23	95	4732.50	2983.81	2912.34 S	649.32 E	2983.84	167.43	0.76	-0.19	0.74
91	MWD	7438.00	90.97	168.23	94	4730.62	3077.77	3004.34 S	668.49 E	3077.82	167.46	0.37	-0.37	0.00
92	MWD	7532.00	90.26	167.18	94	4729.61	3171.76	3096.18 S	688.51 E	3171.81	167.46	1.35	-0.76	-1.12
93	MWD	7628.00	89.38	166.48	96	4729.91	3267.76	3189.65 S	710.38 E	3267.80	167.44	1.17	-0.92	-0.73
94	MWD	7723.00	89.21	164.72	95	4731.08	3362.71	3281.66 S	734.00 E	3362.74	167.39	1.86	-0.18	-1.85
95	MWD	7818.00	89.91	164.37	95	4731.81	3457.61	3373.22 S	759.32 E	3457.62	167.31	0.82	0.74	-0.37
96	MWD	7912.00	90.44	164.19	94	4731.52	3551.49	3463.70 S	784.78 E	3551.49	167.23	0.60	0.56	-0.19
97	MWD	8007.00	91.32	164.54	95	4730.07	3646.37	3555.17 S	810.38 E	3646.37	167.16	1.00	0.93	0.37
98	MWD	8102.00	90.26	165.95	95	4728.76	3741.30	3647.03 S	834.58 E	3741.30	167.11	1.86	-1.12	1.48
99	MWD	8197.00	90.44	166.30	95	4728.18	3836.28	3739.25 S	857.36 E	3836.29	167.09	0.41	0.19	0.37
100	MWD	8291.00	91.14	167.18	94	4726.88	3930.27	3830.74 S	878.92 E	3930.27	167.08	1.20	0.74	0.94
101	MWD	8386.00	90.09	166.12	95	4725.86	4025.26	3923.16 S	900.85 E	4025.26	167.07	1.57	-1.11	-1.12
102	MWD	8482.00	91.67	166.48	96	4724.39	4121.23	4016.42 S	923.58 E	4121.24	167.05	1.69	1.65	0.37
103	MWD	8577.00	92.90	166.48	95	4720.60	4216.15	4108.71 S	945.77 E	4216.16	167.04	1.29	1.29	0.00
104	MWD	8672.00	92.20	167.71	95	4716.37	4311.05	4201.22 S	966.97 E	4311.06	167.04	1.49	-0.74	1.29
105	MWD	8784.00	92.90	168.94	112	4711.39	4422.91	4310.79 S	989.61 E	4422.92	167.07	1.26	0.63	1.10
106	MWD	8875.00	91.67	169.29	91	4707.76	4513.79	4400.08 S	1006.78 E	4513.79	167.11	1.41	-1.35	0.38
107	MWD	8966.00	90.26	168.59	91	4706.23	4604.73	4489.37 S	1024.23 E	4604.73	167.15	1.73	-1.55	-0.77

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108	MWD	9057.00	90.62	168.76	91	4705.53	4695.69	4578.60	S	1042.10	E	4695.69	167.18	0.44	0.40	0.19
109	MWD	9148.00	89.38	168.06	91	4705.53	4786.67	4667.74	S	1060.39	E	4786.67	167.20	1.56	-1.36	-0.77
110	MWD	9239.00	89.74	167.71	91	4706.23	4877.66	4756.71	S	1079.48	E	4877.66	167.21	0.55	0.40	-0.38
111	MWD	9330.00	89.91	167.88	91	4706.51	4968.65	4845.65	S	1098.72	E	4968.66	167.22	0.26	0.19	0.19
112	MWD	9421.00	89.74	167.88	91	4706.78	5059.65	4934.62	S	1117.83	E	5059.65	167.24	0.19	-0.19	0.00
113	MWD	9516.00	91.50	167.53	95	4705.76	5154.63	5027.44	S	1138.06	E	5154.64	167.24	1.89	1.85	-0.37
114	MWD	9610.00	91.85	166.83	94	4703.01	5248.59	5119.05	S	1158.90	E	5248.60	167.24	0.83	0.37	-0.74
115	MWD	9705.00	90.62	167.18	95	4700.96	5343.57	5211.60	S	1180.26	E	5343.57	167.24	1.35	-1.29	0.37
116	MWD	9800.00	91.32	167.71	95	4699.35	5438.55	5304.31	S	1200.91	E	5438.56	167.24	0.92	0.74	0.56
117	MWD	9895.00	89.91	166.65	95	4698.33	5533.54	5396.93	S	1221.99	E	5533.55	167.24	1.86	-1.48	-1.12
118	MWD	9989.00	90.79	166.48	94	4697.76	5627.53	5488.36	S	1243.83	E	5627.54	167.23	0.95	0.94	-0.18
119	MWD	10084.00	89.91	167.35	95	4697.18	5722.53	5580.89	S	1265.33	E	5722.53	167.23	1.30	-0.93	0.92
120	MWD	10179.00	91.50	168.23	95	4696.01	5817.51	5673.73	S	1285.42	E	5817.52	167.23	1.91	1.67	0.93
121	MWD	10274.00	89.56	167.35	95	4695.13	5912.50	5766.57	S	1305.51	E	5912.50	167.24	2.24	-2.04	-0.93
122	MWD	10369.00	88.33	166.12	95	4696.88	6007.47	5859.02	S	1327.31	E	6007.48	167.24	1.83	-1.29	-1.29
123	MWD	10464.00	87.98	166.30	95	4699.94	6102.41	5951.23	S	1349.94	E	6102.42	167.22	0.41	-0.37	0.19
124	MWD	10559.00	89.38	166.65	95	4702.13	6197.38	6043.57	S	1372.15	E	6197.38	167.21	1.52	1.47	0.37
125	MWD	10654.00	88.68	166.12	95	4703.73	6292.35	6135.88	S	1394.51	E	6292.36	167.20	0.92	-0.74	-0.56
126	MWD	10749.00	88.68	166.12	95	4705.92	6387.31	6228.09	S	1417.29	E	6387.31	167.18	0.00	0.00	0.00
127	MWD	10844.00	90.44	165.42	95	4706.65	6482.28	6320.16	S	1440.64	E	6482.28	167.16	1.99	1.85	-0.74
128	MWD	10939.00	90.79	164.54	95	4705.63	6577.20	6411.91	S	1465.26	E	6577.20	167.13	1.00	0.37	-0.93
129	MWD	11034.00	91.32	166.48	95	4703.88	6672.14	6503.87	S	1489.03	E	6672.15	167.10	2.12	0.56	2.04
130	MWD	11129.00	91.50	166.83	95	4701.55	6767.11	6596.28	S	1510.95	E	6767.11	167.10	0.41	0.19	0.37
131	MWD	11224.00	92.02	167.00	95	4698.63	6862.06	6688.77	S	1532.45	E	6862.07	167.10	0.58	0.55	0.18
132	MWD	11319.00	91.32	166.48	95	4695.86	6957.02	6781.19	S	1554.23	E	6957.03	167.09	0.92	-0.74	-0.55
133	MWD	11414.00	91.67	168.23	95	4693.38	7051.98	6873.85	S	1575.01	E	7051.99	167.09	1.88	0.37	1.84
134	MWD	11509.00	90.44	166.48	95	4691.63	7146.96	6966.53	S	1595.81	E	7146.97	167.10	2.25	-1.29	-1.84
135	MWD	11604.00	90.26	164.89	95	4691.05	7241.92	7058.57	S	1619.29	E	7241.93	167.08	1.68	-0.19	-1.67
136	MWD	11699.00	90.44	166.83	95	4690.47	7336.89	7150.69	S	1642.50	E	7336.90	167.06	2.05	0.19	2.04
137	MWD	11794.00	90.62	166.12	95	4689.59	7431.88	7243.05	S	1664.72	E	7431.89	167.06	0.77	0.19	-0.75
138	MWD	11889.00	90.09	167.88	95	4689.00	7526.88	7335.61	S	1686.09	E	7526.89	167.06	1.93	-0.56	1.85
139	MWD	11984.00	90.62	168.41	95	4688.41	7621.86	7428.58	S	1705.60	E	7621.87	167.07	0.79	0.56	0.56
140	MWD	12079.00	91.50	168.59	95	4686.66	7716.82	7521.66	S	1724.54	E	7716.82	167.09	0.95	0.93	0.19
141	MWD	12174.00	90.62	167.88	95	4684.90	7811.78	7614.64	S	1743.91	E	7811.79	167.10	1.19	-0.93	-0.75
142	MWD	12269.00	90.79	167.88	95	4683.73	7906.77	7707.52	S	1763.85	E	7906.77	167.11	0.18	0.18	0.00
143	MWD	12363.00	91.14	167.71	94	4682.15	8000.75	7799.38	S	1783.72	E	8000.75	167.12	0.41	0.37	-0.18
144	MWD	12480.00	90.09	167.53	117	4680.89	8117.74	7913.65	S	1808.80	E	8117.74	167.13	0.91	-0.90	-0.15



State of Texas

County of [Andrews](#)

I, [Phil LeBlanc](#), certify that I am employed by DrilTech MWD Rentals, LLC. I did on the days of [10/27/2022](#) through [11/04/2022](#) conduct or supervise the taking of the [145](#) surveys from a measured depth of [1,680](#) feet to a measured depth of [12,545](#) feet. The data is true, correct, complete, and within the limitations of the tool as set forth by DrilTech MWD Rentals, LLC. I am authorized and qualified to make this report, and these surveys were conducted at the request of [Ring Energy, Inc.](#) for the [University Block 14 Cons #2503XH](#), API No. [42-003-47983](#) in [Andrews](#) County, Texas. I have reviewed this report and find that it conforms to the principles and procedures as set forth by DrilTech MWD Rentals, LLC.

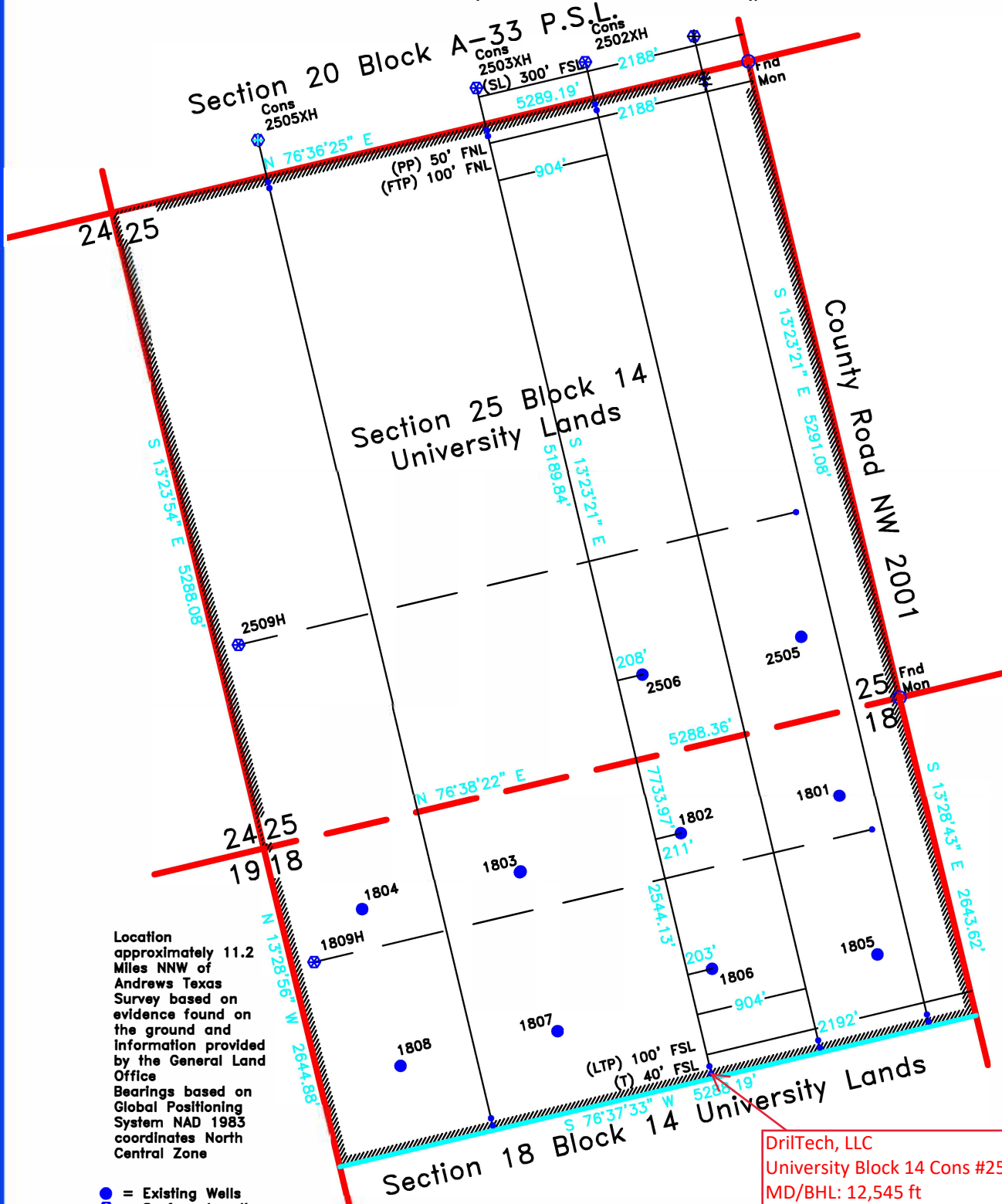
Signature

Phil LeBlanc

Date

11/07/2022

Ring Energy Inc
 Section 18 & 25 Block 14 University Lands Andrews County, Texas
 University Block 14 Cons. #2503XH



Location approximately 11.2 Miles NNW of Andrews Texas Survey based on evidence found on the ground and information provided by the General Land Office Bearings based on Global Positioning System NAD 1983 coordinates North Central Zone

- = Existing Wells
- ⊙ = Surface Locations
- = Take Points
- ▨ = Lease Boundary

DrilTech, LLC
 University Block 14 Cons #2503XH
 MD/BHL: 12,545 ft
 TVD: 4,680.79 ft
 CLS Dis: 8,182.74 ft
 CLS Azi: 167.13°

7733.97' First Take to Last Take

Nearest Well	
#1806	203'
#1802	211'
#2506	208'

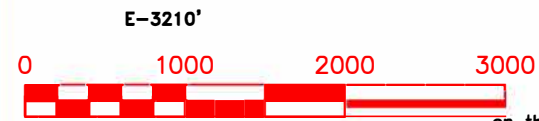
University Block 14 Cons. #2503XH

Description	Coordinates	Section Line	Lease Line
Surface Location (SL)	32.4541430° 6873680.67' 102.6694461° 682747.75'	300' FSL Section 20 2188' FEL Section 20	
Penetration Point (PP)	32.4532168° 6873340.26' 102.6691399° 682828.77'	50' FNL Section 25 2188' FEL Section 25	50' FNL 2188' FEL
First Take (FTP)	32.4530845° 6873291.62' 102.6690961° 682840.35'	100' FNL Section 25 2188' FEL Section 25	100' FNL 2188' FEL
Last Take (LRP)	32.4326149° 6865767.86' 102.6623285° 684631.27'	2544' FNL Section 18 2192' FEL Section 18	100' FSL 2192' FEL
Terminus (T)	32.4324553° 6865709.21' 102.6622757° 684645.24'	2604' FNL Section 18 2192' FEL Section 18	40' FSL 2192' FEL



**SURVEY PLAT IN
 ANDREWS COUNTY
 TEXAS**
HEATLEY SURVEYING
 P.O. BOX 1
 BRECKENRIDGE, TX 76424
 (254) 559-8914
 Print Number:

William K. Heatley
 William K. Heatley
 Registered Professional Land Surveyor #4015
 Firm #10079500



Note:
 Easements not shown on plat unless otherwise noted.
 SCALE: 1" = 1200'
 DATE: 01-11-2019
 FILE: RING UNIV 14 SEC 25 LOC 2503X