

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)



January 10, 2019

Railroad Commission of Texas
Oil and Gas Division
PO Box 12967
Capital Station
Austin, Texas 78711

Attention: Pam Johns

Re:

CLIENT: Felix Energy Holdings II, LLC
WELL: UL Maroon 0904-21 1H
FIELD: Two Georges (Bone Spring)

RIG: Sidewinder 221
COUNTY: Winkler
API NO: 42-495-34108
PERMIT: 838557
JOB NO: 18MLD1581

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Jude Omokwale FS	UL Maroon 0904-21 1H Original Hole	206.00 Ft to 23351.00 Ft	July 1, 2018 to August 24, 2018	TelePacer SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or until line in case of pooling), is attached to the survey report.

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Field Service Manager

CC: Felix Energy Holdings II, LLC
Enclosures: [2]
County of Winkler
State of Texas

SCHLUMBERGER

Survey Report

11-Jan-2019

Client.....: FELIX ENERGY HOLDINGS II, LLC
 Field.....: Two Georges (Bone Spring)

Well.....: UL MAROON 0904-21 1H
 API number.....: 42-495-34108
 Engineer.....: Dmitry Konkov

Spud date.....: 30-Jun-18
 Last survey date.....: 24-Aug-18
 Total accepted surveys...: 259
 MD of first survey.....: 206.00 ft
 MD of last survey.....: 23351.00 ft

County.....: Winkler
 State.....: Texas
 Rig.....: Sidewinder 221

Latitude.....: 31° 44' 34.439" N
 Longitude.....: 103° 13' 58.88" W

----- Survey calculation methods-----
 Method for positions...: Minimum curvature
 Method for DLS.....: Lubinski

----- Depth reference -----
 Permanent datum.....: MSL
 Depth reference.....: Driller's Depth
 GL above permanent.....: 2835.00
 KB above permanent.....: 2860.00
 DF above permanent.....: 2860.00

----- Vertical section origin-----
 Latitude (+N/S).....: 0.00 ft
 Departure (+E/W).....: 0.00 ft

----- Grid Coordinates -----
 NAD27 Texas State Plane, Central Zone, US Feet
 X.....: 1098664.19 ft
 Y.....: 766867.24 ft

Azimuth from Vsect Origin to target: 341.36 degrees

-----MWD Survey Reference Criteria-----

-----Run1----- Calculation Date: 7-Aug-2018
 Location G....: 998.63244 mgn Tolerance G...: 2.50 mgn
 Location B....: 47518.67 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 59.638 degrees Tolerance Dip: 0.45 degrees

-----Run2----- Calculation Date: 7-Aug-2018
 Location G....: 998.63244 mgn Tolerance G...: 2.50 mgn
 Location B....: 47518.67 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 59.638 degrees Tolerance Dip: 0.45 degrees

-----Run3----- Calculation Date: 7-Aug-2018
 Location G....: 998.63244 mgn Tolerance G...: 2.50 mgn
 Location B....: 47518.67 nT Tolerance B...: 300.00 nT
 Magnetic Dip: 59.638 degrees Tolerance Dip: 0.45 degrees

BGGM Model: HDGM2018

-----Run1-----
 Magnetic dec (+E/W-).....: 6.924 degrees
 Grid Conv (+E/W-).....: -1.496 degrees
 Total Azim Corr (+E/W-).....: 8.42 degrees

-----Run2-----
 Magnetic dec (+E/W-).....: 6.924 degrees
 Grid Conv (+E/W-).....: -1.496 degrees
 Total Azim Corr (+E/W-).....: 8.42 degrees

-----Run3-----
 Magnetic dec (+E/W-).....: 6.924 degrees
 Grid Conv (+E/W-).....: -1.496 degrees
 Total Azim Corr (+E/W-).....: 8.42 degrees

-----Survey Correction Index Description-----

0 = Uncorrected 1 = Sag Corrected
 2 = DMAG Corrected 3 = Sag + DMAG Corrected

===== Survey List =====												
Seq	MD (ft)	Incl (deg)	Azim (deg)	Course (ft)	TVD (ft)	V Sec (ft)	N/S (ft)	E/-W (ft)	Closure (ft)	at Azi (deg)	DLS (deg/100ft)	Tool
1	0.00	0.00	0.00	-999.25	0.00	0.00	0.00	0.00	0	90.00	0.00	TIP
2	12.00	0.00	0.00	12.00	12.00	0.00	0.00	0.00	0	90.00	0.00	Other
3	206.00	1.38	100.99	194.00	205.98	-1.16	-0.45	2.29	2.34	100.99	0.71	Other
4	297.00	1.65	131.88	91.00	296.95	-2.84	-1.53	4.34	4.61	109.39	0.93	Other
5	383.00	1.62	116.06	86.00	382.92	-4.77	-2.89	6.36	6.98	114.44	0.52	Other
6	473.00	0.89	123.44	90.00	472.89	-6.22	-3.83	8.08	8.95	115.37	0.83	Other
7	644.00	2.60	320.88	171.00	643.85	-3.63	-1.56	6.75	6.92	102.99	2.02	Other
8	814.00	1.98	298.47	170.00	813.71	2.13	2.84	1.73	3.32	31.39	0.63	Other
9	1010.00	1.49	278.35	196.00	1009.63	5.77	4.82	-3.77	6.12	321.99	0.40	Other
10	1112.00	1.34	283.09	102.00	1111.59	7.00	5.28	-6.24	8.18	310.25	0.19	Other
11	1282.00	1.10	273.08	170.00	1281.56	8.65	5.82	-9.81	11.4	300.69	0.19	Other
12	1367.00	1.35	275.63	85.00	1366.54	9.36	5.96	-11.62	13.06	297.17	0.30	Other
13	1540.00	1.23	265.14	173.00	1539.49	10.64	6.01	-15.50	16.62	291.18	0.15	Other
14	1714.00	0.59	288.11	174.00	1713.47	11.62	6.13	-18.21	19.21	288.59	0.42	Other
15	1798.00	0.84	286.66	84.00	1797.46	12.24	6.44	-19.21	20.26	288.52	0.30	Other
16	1882.00	1.81	286.31	84.00	1881.44	13.35	6.99	-21.07	22.2	288.34	1.15	Other
17	1966.00	2.80	285.19	84.00	1965.37	15.26	7.90	-24.33	25.57	287.98	1.18	Other
18	2052.00	3.19	284.32	86.00	2051.25	17.73	9.04	-28.67	30.06	287.50	0.46	Other
19	2137.00	3.38	281.28	85.00	2136.11	20.26	10.11	-33.42	34.92	286.84	0.30	Other
20	2222.00	3.55	275.77	85.00	2220.96	22.60	10.87	-38.50	40	285.77	0.44	Other
21	2308.00	3.52	271.45	86.00	2306.80	24.61	11.20	-43.78	45.19	284.35	0.31	Other
22	2393.00	3.40	270.81	85.00	2391.64	26.34	11.30	-48.91	50.2	283.01	0.15	Other
23	2478.00	3.12	271.87	85.00	2476.50	27.99	11.42	-53.74	54.94	281.99	0.34	Other
24	2563.00	2.67	277.41	85.00	2561.39	29.67	11.75	-58.02	59.2	281.44	0.62	Other
25	2648.00	2.57	273.92	85.00	2646.31	31.27	12.13	-61.88	63.06	281.09	0.22	Other
26	2733.00	2.73	277.29	85.00	2731.22	32.89	12.52	-65.79	66.97	280.77	0.26	Other
27	2818.00	2.81	279.35	85.00	2816.12	34.75	13.11	-69.86	71.08	280.63	0.15	Other
28	2903.00	2.82	278.35	85.00	2901.01	36.68	13.76	-73.98	75.25	280.53	0.06	Other
29	2988.00	3.07	282.13	85.00	2985.90	38.79	14.54	-78.28	79.61	280.52	0.37	Other
30	3072.00	3.36	283.42	84.00	3069.77	41.25	15.58	-82.87	84.32	280.65	0.36	Other
31	3157.00	3.93	281.83	85.00	3154.60	44.05	16.76	-88.14	89.72	280.76	0.68	Other

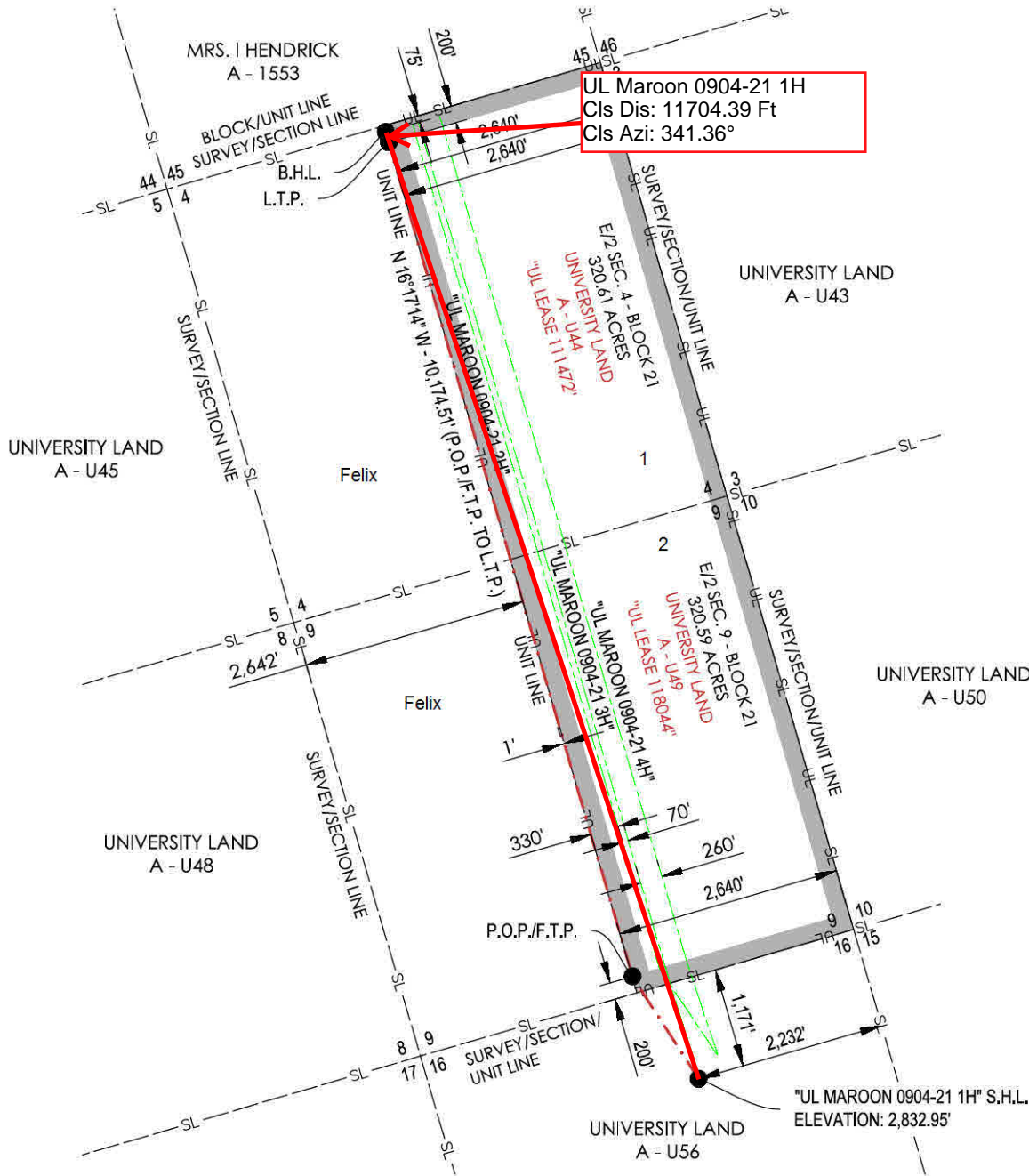
32	3241.00	4.35	278.15	84.00	3238.38	46.95	17.80	-94.11	95.78	280.71	0.59	Other
33	3326.00	4.96	279.32	85.00	3323.10	50.12	18.85	-100.93	102.68	280.58	0.73	Other
34	3411.00	4.95	276.40	85.00	3407.78	53.40	19.86	-108.20	110.01	280.40	0.30	Other
35	3497.00	5.10	274.31	86.00	3493.45	56.46	20.56	-115.70	117.51	280.07	0.28	Other
36	3582.00	5.07	266.62	85.00	3578.11	58.92	20.62	-123.22	124.93	279.50	0.80	Other
37	3667.00	4.70	261.39	85.00	3662.81	60.51	19.88	-130.41	131.92	278.67	0.68	Other
38	3752.00	4.37	259.46	85.00	3747.54	61.58	18.76	-137.04	138.32	277.80	0.43	Other
39	3837.00	4.19	261.75	85.00	3832.30	62.59	17.72	-143.29	144.39	277.05	0.29	Other
40	3923.00	4.36	266.04	86.00	3918.06	63.99	17.05	-149.66	150.63	276.50	0.42	Other
41	4008.00	4.76	269.38	85.00	4002.79	65.90	16.79	-156.41	157.31	276.13	0.56	Other
42	4096.00	4.78	275.84	88.00	4090.49	68.55	17.12	-163.71	164.61	275.97	0.61	Other
43	4181.00	4.40	279.20	85.00	4175.22	71.54	18.00	-170.45	171.4	276.03	0.55	Other
44	4266.00	4.49	283.85	85.00	4259.96	74.85	19.32	-176.90	177.96	276.23	0.44	Other
45	4351.00	3.79	288.74	85.00	4344.74	78.34	21.02	-182.79	184	276.56	0.92	Other
46	4394.00	2.49	290.88	43.00	4387.68	79.80	21.81	-185.01	186.29	276.72	3.03	Other
47	4436.00	1.49	301.42	42.00	4429.65	80.80	22.42	-186.33	187.68	276.86	2.53	Other
48	4479.00	0.54	314.42	43.00	4472.64	81.41	22.85	-186.95	188.34	276.97	2.26	Other
49	4564.00	0.38	316.22	85.00	4557.64	81.56	23.01	-186.99	188.4	277.01	1.07	Other
50	4649.00	0.11	357.94	85.00	4642.64	81.44	22.96	-186.74	188.14	277.01	0.52	Other
51	4735.00	0.10	248.32	86.00	4728.64	81.52	23.02	-186.81	188.22	277.02	0.20	Other
52	4820.00	0.17	153.80	85.00	4813.64	81.39	22.88	-186.82	188.22	276.98	0.24	Other
53	4905.00	0.15	280.66	85.00	4898.64	81.32	22.79	-186.88	188.26	276.95	0.34	Other
54	4990.00	0.15	318.90	85.00	4983.64	81.48	22.89	-187.06	188.45	276.98	0.12	Other
55	5076.00	0.17	104.44	86.00	5069.64	81.51	22.94	-187.01	188.41	276.99	0.36	Other
56	5253.00	0.06	271.06	177.00	5246.64	81.40	22.88	-186.85	188.24	276.98	0.13	TelePacer
57	5348.00	0.18	170.83	95.00	5341.64	81.27	22.73	-186.87	188.25	276.94	0.21	TelePacer
58	5442.00	0.45	215.60	94.00	5435.64	80.91	22.29	-187.06	188.39	276.79	0.37	TelePacer
59	5533.00	0.34	186.92	91.00	5526.64	80.45	21.73	-187.31	188.56	276.62	0.24	TelePacer
60	5624.00	0.32	213.85	91.00	5617.63	80.06	21.25	-187.48	188.68	276.47	0.17	TelePacer
61	5717.00	0.41	212.96	93.00	5710.63	79.69	20.75	-187.81	188.95	276.31	0.10	TelePacer
62	5808.00	0.28	231.97	91.00	5801.63	79.42	20.34	-188.16	189.25	276.17	0.19	TelePacer
63	5900.00	0.34	181.57	92.00	5893.63	79.08	19.93	-188.34	189.39	276.04	0.29	TelePacer
64	5992.00	0.56	202.52	92.00	5985.63	78.49	19.24	-188.52	189.5	275.83	0.29	TelePacer
65	6086.00	0.50	180.06	94.00	6079.62	77.76	18.41	-188.70	189.59	275.57	0.23	TelePacer
66	6181.00	0.58	196.46	95.00	6174.62	76.97	17.53	-188.83	189.65	275.30	0.18	TelePacer
67	6273.00	0.48	195.96	92.00	6266.62	76.27	16.72	-189.07	189.81	275.05	0.11	TelePacer
68	6365.00	0.50	165.68	92.00	6358.61	75.55	15.96	-189.08	189.75	274.82	0.28	TelePacer
69	6456.00	0.58	180.43	91.00	6449.61	74.72	15.11	-188.98	189.59	274.57	0.18	TelePacer
70	6549.00	0.53	177.04	93.00	6542.60	73.86	14.21	-188.97	189.5	274.30	0.06	TelePacer
71	6642.00	0.55	181.14	93.00	6635.60	73.03	13.34	-188.95	189.42	274.04	0.05	TelePacer
72	6735.00	0.50	167.72	93.00	6728.60	72.21	12.49	-188.88	189.29	273.78	0.14	TelePacer
73	6829.00	0.74	191.75	94.00	6822.59	71.28	11.50	-188.91	189.26	273.48	0.37	TelePacer
74	6924.00	0.64	180.93	95.00	6917.58	70.25	10.37	-189.04	189.33	273.14	0.17	TelePacer
75	7018.00	0.63	166.26	94.00	7011.58	69.24	9.34	-188.93	189.16	272.83	0.17	TelePacer
76	7113.00	0.95	184.91	95.00	7106.57	67.99	8.05	-188.87	189.05	272.44	0.43	TelePacer
77	7208.00	0.90	182.53	95.00	7201.56	66.58	6.52	-188.97	189.09	271.98	0.07	TelePacer
78	7302.00	1.00	182.61	94.00	7295.54	65.12	4.96	-189.04	189.11	271.50	0.11	TelePacer
79	7396.00	0.43	256.65	94.00	7389.54	64.39	4.06	-189.42	189.47	271.23	1.04	TelePacer
80	7491.00	0.43	305.61	95.00	7484.53	64.71	4.19	-190.06	190.11	271.26	0.38	TelePacer
81	7585.00	0.48	280.54	94.00	7578.53	65.19	4.46	-190.74	190.79	271.34	0.22	TelePacer
82	7679.00	0.17	336.88	94.00	7672.53	65.52	4.66	-191.18	191.23	271.40	0.44	TelePacer
83	7773.00	0.23	218.17	94.00	7766.53	65.56	4.64	-191.35	191.41	271.39	0.37	TelePacer
84	7868.00	0.11	347.44	95.00	7861.53	65.55	4.58	-191.49	191.54	271.37	0.33	TelePacer
85	7963.00	0.35	207.89	95.00	7956.53	65.44	4.42	-191.64	191.69	271.32	0.46	TelePacer
86	8058.00	0.32	117.31	95.00	8051.53	65.05	4.04	-191.54	191.58	271.21	0.50	TelePacer
87	8152.00	0.17	132.84	94.00	8145.53	64.73	3.82	-191.21	191.24	271.15	0.17	TelePacer
88	8246.00	0.34	125.81	94.00	8239.53	64.39	3.56	-190.88	190.91	271.07	0.18	TelePacer
89	8341.00	0.43	70.79	95.00	8334.52	64.16	3.52	-190.31	190.35	271.06	0.38	TelePacer
90	8455.00	0.48	125.67	114.00	8448.52	63.78	3.38	-189.52	189.55	271.02	0.37	TelePacer
91	8549.00	0.68	82.82	94.00	8542.52	63.35	3.22	-188.65	188.68	270.98	0.49	TelePacer
92	8644.00	0.56	102.93	95.00	8637.51	62.99	3.19	-187.64	187.66	270.97	0.26	TelePacer
93	8737.00	0.36	85.45	93.00	8730.51	62.68	3.11	-186.90	186.93	270.95	0.26	TelePacer
94	8832.00	0.38	45.85	95.00	8825.51	62.74	3.35	-186.38	186.41	271.03	0.26	TelePacer
95	8926.00	0.45	283.00	94.00	8919.51	63.07	3.65	-186.51	186.55	271.12	0.78	TelePacer
96	9021.00	1.29	288.28	95.00	9014.49	63.91	4.07	-187.89	187.94	271.24	0.89	TelePacer
97	9114.00	1.01	263.14	93.00	9107.48	64.71	4.30	-189.70	189.75	271.30	0.61	TelePacer
98	9208.00	0.98	261.69	94.00	9201.46	65.02	4.08	-191.32	191.36	271.22	0.04	TelePacer
99	9302.00	0.80	291.57	94.00	9295.45	65.59	4.21	-192.72	192.77	271.25	0.52	TelePacer
100	9397.00	0.44	285.99	95.00	9390.44	66.22	4.55	-193.69	193.75	271.35	0.38	TelePacer
101	9491.00	0.75	223.63	94.00	9484.44	66.14	4.21	-194.46	194.51	271.24	0.71	TelePacer
102	9585.00	1.66	214.97	94.00	9578.42	65.05	2.65	-195.67	195.69	270.78	0.98	TelePacer
103	9678.00	2.42	207.76	93.00	9671.36	62.89	-0.19	-197.35	197.35	269.94	0.86	TelePacer
104	9773.00	2.90	196.00	95.00	9766.26	59.53	-4.28	-198.95	199	268.77	0.76	TelePacer
105	9867.00	3.04	188.65	94.00	9860.13	55.36	-9.03	-199.98	200.19	267.41	0.43	TelePacer
106	9961.00	1.39	184.17	94.00	9954.06	52.10	-12.63	-200.44	200.84	266.39	1.76	TelePacer
107	10056.00	0.40	123.50	95.00	10049.05	50.77	-13.96	-200.25	200.73	266.01	1.31	TelePacer
108	10151.00	0.35	52.84	95.00	10144.04	50.60	-13.97	-199.74	200.23	266.00	0.46	TelePacer
109	10246.00	1.96	135.14	95.00	10239.03	49.24	-14.95	-198.36	198.92	265.69	2.05	TelePacer
110	10340.00	2.38	120.52	94.00	10332.96	46.32	-17.08	-195.55	196.29	265.01	0.74	TelePacer
111	10435.00	1.19	112.63	95.00	10427.91	44.18	-18.46	-192.94	193.82	264.53	1.28	TelePacer
112	10530.00	1.14	251.88	95.00	10522.90	43.53	-19.13	-192.92	193.87	264.34	2.30	TelePacer
113	10624.00	1.63	321.14	94.00	10616.88	44.80	-18.38	-194.65	195.52	264.61	1.73	TelePacer
114	10719.00	3.32	351.86	95.00	10711.79	48.77	-14.61	-195.89	196.43	265.74	2.20	TelePacer
115	10813.00	3.31	358.51	94.00	10805.64	54.04	-9.20	-196.35	196.56	267.32	0.41	TelePacer
116	10907.00	2.05	2.77	94.00	10899.53	58.20	-4.81	-196.33	196.39	268.60	1.36	TelePacer
117	11001.00	0.40	311.60	94.00	10993.51	60.05	-2.91	-196.50	196.52	269.15	1.94	TelePacer
118	11095.00	0.48	245.94	94.00	11087.51	60.30	-2.85	-197.10	197.12	269.17	0.51	TelePacer
119	11190.00	0.11	142.55	95.00	11182.50	60.17	-3.09	-197.41	197.44	269.10	0.54	TelePacer
120	11284.00	0.68	72.86	94.00	11276.50	60.07	-2.99	-196.82	196.85	269.13	0.69	TelePacer
121	11331.00	1.28	58.79	47.00	11323.49	60.18	-2.64	-196.11	196.13	269.23	1.37	TelePacer
122	11401.00	1.90	58.55	70.00	11393.47	60.61	-1.63	-194.45	194.46	269.52	0.88	SlimPulse
123	11449.00	2.22										

148	12894.00	90.72	332.88	91.00	11930.09	1212.80	1005.54	-813.49	1293.4	321.03	3.83	SlimPulse
149	12985.00	91.27	336.05	91.00	11928.51	1303.12	1087.63	-852.71	1382.04	321.90	3.54	SlimPulse
150	13077.00	91.99	339.31	92.00	11925.90	1394.88	1172.69	-887.63	1470.74	322.88	3.63	SlimPulse
151	13169.00	92.34	341.26	92.00	11922.42	1486.79	1259.23	-918.64	1558.71	323.89	2.15	SlimPulse
152	13260.00	92.30	343.16	91.00	11918.74	1577.71	1345.80	-946.42	1645.27	324.88	2.09	SlimPulse
153	13352.00	91.41	344.58	92.00	11915.76	1669.57	1434.13	-971.96	1732.47	325.87	1.82	SlimPulse
154	13444.00	90.75	345.99	92.00	11914.02	1761.33	1523.10	-995.33	1819.48	326.84	1.69	SlimPulse
155	13536.00	90.17	346.35	92.00	11913.29	1853.00	1612.43	-1017.32	1906.53	327.75	0.74	SlimPulse
156	13627.00	90.27	347.24	91.00	11912.94	1943.59	1701.02	-1038.11	1992.77	328.60	0.98	SlimPulse
157	13718.00	90.17	346.63	91.00	11912.59	2034.16	1789.66	-1058.68	2079.35	329.39	0.68	SlimPulse
158	13814.00	89.07	345.99	96.00	11913.22	2129.80	1882.93	-1081.40	2171.37	330.13	1.33	SlimPulse
159	13910.00	89.17	346.06	96.00	11914.70	2225.47	1976.08	-1104.58	2263.84	330.80	0.13	SlimPulse
160	14006.00	89.68	345.85	96.00	11915.66	2321.16	2069.20	-1127.87	2356.63	331.41	0.57	SlimPulse
161	14102.00	88.76	343.73	96.00	11916.97	2416.97	2161.83	-1153.06	2450.11	331.93	2.41	SlimPulse
162	14198.00	89.41	345.86	96.00	11918.50	2512.78	2254.45	-1178.23	2543.77	332.41	2.32	SlimPulse
163	14293.00	90.38	346.38	95.00	11918.68	2607.45	2346.67	-1201.02	2636.16	332.90	1.16	SlimPulse
164	14388.00	91.44	346.63	95.00	11917.17	2702.05	2439.04	-1223.19	2728.57	333.37	1.15	SlimPulse
165	14483.00	90.03	346.49	95.00	11915.95	2796.65	2531.42	-1245.26	2821.13	333.81	1.49	SlimPulse
166	14579.00	90.10	345.50	96.00	11915.84	2892.34	2624.57	-1268.50	2915.04	334.20	1.03	SlimPulse
167	14674.00	89.14	344.97	95.00	11916.47	2987.12	2716.43	-1292.71	3008.33	334.55	1.15	SlimPulse
168	14769.00	90.51	346.47	95.00	11916.76	3081.84	2808.49	-1316.14	3101.58	334.89	2.14	SlimPulse
169	14864.00	89.83	344.66	95.00	11916.48	3176.57	2900.48	-1339.82	3194.98	335.21	2.04	SlimPulse
170	14959.00	86.26	343.03	95.00	11919.72	3271.41	2991.66	-1366.23	3288.86	335.45	4.13	SlimPulse
171	15054.00	87.84	343.29	95.00	11924.61	3366.24	3082.47	-1393.71	3382.9	335.67	1.69	SlimPulse
172	15150.00	87.31	343.43	96.00	11928.67	3462.09	3174.36	-1421.18	3477.98	335.88	0.57	SlimPulse
173	15245.00	89.52	345.68	95.00	11931.30	3556.89	3265.89	-1446.46	3571.87	336.11	3.32	SlimPulse
174	15340.00	89.21	344.13	95.00	11932.35	3651.70	3357.60	-1471.20	3665.77	336.34	1.66	SlimPulse
175	15435.00	89.58	344.06	95.00	11933.35	3746.59	3448.96	-1497.23	3759.92	336.53	0.40	SlimPulse
176	15530.00	89.07	343.63	95.00	11934.47	3841.49	3540.20	-1523.66	3854.16	336.71	0.70	SlimPulse
177	15625.00	89.45	343.82	95.00	11935.70	3936.41	3631.38	-1550.29	3948.46	336.88	0.45	SlimPulse
178	15721.00	90.10	343.95	96.00	11936.08	4032.31	3723.61	-1576.93	4043.76	337.05	0.69	SlimPulse
179	15816.00	89.93	344.08	95.00	11936.05	4127.21	3814.94	-1603.09	4138.07	337.21	0.23	SlimPulse
180	15911.00	90.55	344.66	95.00	11935.65	4222.08	3906.42	-1628.69	4232.35	337.37	0.89	SlimPulse
181	16006.00	88.97	343.86	95.00	11936.05	4316.95	3997.86	-1654.46	4326.67	337.52	1.86	SlimPulse
182	16101.00	88.79	343.27	95.00	11937.91	4411.86	4088.96	-1681.33	4421.14	337.65	0.65	SlimPulse
183	16195.00	89.48	343.87	94.00	11939.33	4505.78	4179.11	-1707.91	4514.63	337.77	0.97	SlimPulse
184	16290.00	89.45	344.16	95.00	11940.21	4600.67	4270.43	-1734.08	4609.08	337.90	0.31	SlimPulse
185	16385.00	89.20	343.92	95.00	11941.33	4695.56	4361.76	-1760.20	4703.54	338.02	0.36	SlimPulse
186	16480.00	89.51	344.26	95.00	11942.40	4790.45	4453.12	-1786.24	4798.01	338.14	0.48	SlimPulse
187	16575.00	89.24	343.08	95.00	11943.44	4885.36	4544.28	-1812.94	4892.57	338.25	1.27	SlimPulse
188	16670.00	89.72	341.77	95.00	11944.30	4980.34	4634.84	-1841.63	4987.31	338.33	1.47	SlimPulse
189	16766.00	89.79	341.69	96.00	11944.71	5076.34	4726.00	-1871.72	5083.15	338.39	0.11	SlimPulse
190	16861.00	89.72	341.95	95.00	11945.12	5171.33	4816.25	-1901.36	5177.98	338.46	0.28	SlimPulse
191	16956.00	89.89	341.84	95.00	11945.44	5266.33	4906.55	-1930.89	5272.81	338.52	0.21	SlimPulse
192	17051.00	89.99	342.09	95.00	11945.54	5361.32	4996.88	-1960.30	5367.64	338.58	0.28	SlimPulse
193	17146.00	89.55	341.41	95.00	11945.92	5456.32	5087.10	-1990.05	5462.5	338.63	0.85	SlimPulse
194	17242.00	89.75	341.65	96.00	11946.51	5552.32	5178.15	-2020.46	5558.38	338.68	0.33	SlimPulse
195	17337.00	88.69	341.79	95.00	11947.80	5647.31	5268.35	-2050.25	5653.23	338.74	1.13	SlimPulse
196	17432.00	87.60	341.80	95.00	11950.88	5742.25	5358.55	-2079.92	5748.05	338.79	1.15	SlimPulse
197	17527.00	88.01	342.55	95.00	11954.52	5837.17	5448.92	-2108.98	5842.82	338.84	0.90	SlimPulse
198	17622.00	88.53	344.16	95.00	11957.38	5932.07	5539.89	-2136.18	5937.48	338.91	1.78	SlimPulse
199	17717.00	88.32	344.22	95.00	11959.99	6026.92	5631.26	-2162.05	6032.05	339.00	0.23	SlimPulse
200	17812.00	89.08	344.62	95.00	11962.15	6121.75	5722.75	-2187.56	6126.6	339.08	0.90	SlimPulse
201	17907.00	87.67	343.27	95.00	11964.84	6216.62	5814.00	-2213.82	6221.22	339.15	2.05	SlimPulse
202	18002.00	88.33	343.87	95.00	11968.16	6311.49	5905.07	-2240.67	6315.89	339.22	0.94	SlimPulse
203	18097.00	88.26	343.74	95.00	11970.99	6406.36	5996.26	-2267.16	6410.55	339.29	0.16	SlimPulse
204	18193.00	88.46	343.83	96.00	11973.73	6502.23	6088.40	-2293.95	6506.22	339.35	0.23	SlimPulse
205	18287.00	86.68	340.90	94.00	11977.72	6596.12	6177.89	-2322.40	6599.99	339.40	3.64	SlimPulse
206	18383.00	85.11	339.02	51.00	11981.37	6646.97	6225.68	-2339.83	6650.85	339.40	4.80	SlimPulse
207	18379.00	86.73	339.80	41.00	11984.29	6687.84	6263.96	-2354.21	6691.75	339.40	4.38	SlimPulse
208	18474.00	87.94	341.50	95.00	11988.70	6782.72	6353.49	-2385.65	6786.62	339.42	2.19	SlimPulse
209	18569.00	88.25	344.18	95.00	11991.86	6877.63	6444.20	-2413.66	6881.39	339.47	2.84	SlimPulse
210	18664.00	87.67	344.12	95.00	11995.25	6972.46	6535.53	-2439.59	6976.01	339.53	0.61	SlimPulse
211	18759.00	87.32	343.58	95.00	11999.40	7067.28	6626.70	-2465.99	7070.66	339.59	0.68	SlimPulse
212	18855.00	87.32	344.77	96.00	12003.89	7163.05	6718.95	-2492.14	7166.25	339.65	1.24	SlimPulse
213	18950.00	86.91	344.95	95.00	12008.67	7257.76	6810.54	-2516.92	7260.74	339.72	0.47	SlimPulse
214	19044.00	87.36	345.66	94.00	12013.37	7351.42	6901.35	-2540.74	7354.18	339.79	0.89	SlimPulse
215	19139.00	87.19	343.63	95.00	12017.88	7446.15	6992.85	-2565.86	7448.73	339.85	2.14	SlimPulse
216	19234.00	87.60	343.79	95.00	12022.20	7540.97	7083.94	-2592.48	7543.42	339.90	0.46	SlimPulse
217	19329.00	87.29	343.54	95.00	12026.44	7635.80	7175.02	-2619.17	7638.12	339.95	0.42	SlimPulse
218	19424.00	87.15	344.08	95.00	12031.04	7730.60	7266.14	-2645.63	7732.8	339.99	0.59	SlimPulse
219	19519.00	87.15	345.02	95.00	12035.77	7825.33	7357.60	-2670.91	7827.38	340.05	0.99	SlimPulse
220	19613.00	85.36	345.16	94.00	12041.91	7918.93	7448.23	-2695.04	7920.82	340.11	1.91	SlimPulse
221	19708.00	87.60	345.52	95.00	12047.74	8013.52	7539.96	-2719.04	8015.25	340.17	2.39	SlimPulse
222	19803.00	87.67	344.91	95.00	12051.66	8108.22	7631.74	-2743.26	8109.8	340.23	0.65	SlimPulse
223	19897.00	88.01	345.63	94.00	12055.20	8201.93	7722.58	-2767.14	8203.37	340.29	0.85	SlimPulse
224	19993.00	88.12	345.55	96.00	12058.44	8297.62	7815.51	-2791.02	8298.91	340.35	0.14	SlimPulse
225	20087.00	87.84	345.28	94.00	12061.76	8391.32	7906.42	-2814.67	8392.49	340.40	0.41	SlimPulse
226	20183.00	87.81	343.57	96.00	12065.40	8487.11	7998.83	-2840.43	8488.19	340.45	1.78	SlimPulse
227	20278.00	87.98	343.67	95.00	12068.89	8581.98	8089.91	-2867.20	8582.98	340.48	0.21	SlimPulse
228	20373.00	87.53	343.47	95.00	12072.61	8676.83	8180.96	-2894.05	8677.77	340.52	0.52	SlimPulse
229	20468.00	88.26	345.58	95.00	12076.10	8771.70	8272.00	-2920.98	8772.57	340.55	0.78	SlimPulse
230	20563.00	89.33	345.42	95.00	12078.10	8866.53	8363.52	-2946.36	8867.32	340.59	2.24	SlimPulse
231	20658.00	88.43	344.06	95.00	12079.96	8961.34	8455.15	-2971.36	8962.06	340.64	1.72	SlimPulse
232	20754.00	89.53	346.41	96.00	12081.66	9057.10	8547.96	-2995.81				

GRID NORTH (NAD 83)
TEXAS - CENTRAL ZONE

FELIX ENERGY HOLDINGS II, LLC
WINKLER COUNTY, TEXAS
S.H.L. 1,171' FNL - 2,232' FEL, SECTION 16, BLOCK 21

LEGEND	
— UL —	UNIT LINE
--- SL ---	SECTION LINE
- - - - -	PROPOSED WELL PATH
- - - - -	NEAREST PROPOSED WELL PATH
200' UNIT OFFSET	
S.H.L.	SURFACE HOLE LOCATION
P.O.P.	POINT OF PENETRATION
F.T.P.	FIRST TAKE POINT
T.P.	TURNING POINT
L.T.P.	LAST TAKE POINT
B.H.L.	BOTTOM HOLE LOCATION



OPERATOR: FELIX ENERGY HOLDINGS II, LLC

WELL NAME: UL MAROON 0904-21 WELL NO: 1H

TOPOGRAPHIC & VEGETATION: FLAT LOCATION WITH LOW LYING BRUSH

GOOD DRILL SITE: YES

REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET: NONE

BEST ACCESSIBILITY TO LOCATION: FROM WEST

DISTANCE & DIRECTION

FROM HWY JCT OR TOWN: ±4.27 MILES WEST OF WINK, TX
FROM THE INTERSECTION OF HENDRICKS BLVD. AND FM 1232 HEAD WEST ON FM 1232 FOR ±1.5 MILES, TURN LEFT ONTO COUNTY ROAD 201 AND CONTINUE FOR ±3.3 MILES, TURN LEFT ONTO EXISTING LEASE ROAD FOR ±0.2 MILES AND THE PAD WILL BE ON YOUR LEFT.

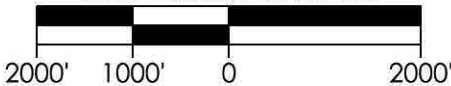
WELL PATH DATA

LINE	BEARING	DISTANCE
S.H.L. TO P.O.P./F.T.P.	N 32°51'12" W	1,429.83'
P.O.P./F.T.P. TO L.T.P.	N 16°17'14" W	10,174.51'
L.T.P. TO B.H.L.	N 16°17'14" W	125.00'

CALLS FROM SECTION LINE

S.H.L.	1,171' FNL, 2,232' FEL (SEC. 16)
P.O.P./F.T.P.	200' FSL, 2,640' FEL (SEC. 9)
L.T.P.	200' FNL, 2,640' FEL (SEC. 4)
B.H.L.	75' FNL, 2,640' FEL (SEC. 4)

GRAPHIC SCALE IN FEET



SURFACE HOLE LOCATION:

1,171' FNL & 2,232' FEL (SEC. 16)
GROUND ELEVATION: 2,832.95'
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 766867.24, EASTING: 1098664.19
LATITUDE: N 31.74289965°, LONGITUDE: W 103.23302236°
NAD 83 TEXAS CENTRAL ZONE
NORTHING: 10609443.71, EASTING: 1395129.04
LATITUDE: N 31.74302838°, LONGITUDE: W 103.23346893°

POINT OF PENETRATION/FIRST TAKE POINT:

200' FSL & 2,640' FEL (SEC. 9)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 768068.37, EASTING: 1097888.55
LATITUDE: N 31.74614488°, LONGITUDE: W 103.23561733°

LAST TAKE POINT:

200' FNL & 2,640' FEL (SEC. 4)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 777954.24, EASTING: 1095035.35
LATITUDE: N 31.7727751°, LONGITUDE: W 103.24561484°

BOTTOM HOLE LOCATION:

75' FNL & 2,640' FEL (SEC. 4)
NAD 27 TEXAS CENTRAL ZONE
NORTHING: 1095000.30
LATITUDE: N 31.77310470°, LONGITUDE: W 103.24573770°

UNIT CORNERS

LOCATION	NAD27	
	STATE PLANE TEXAS CENTRAL (32039)	GEOGRAPHIC (4267)
NE CORNER SEC.4-BLK 21	N = 778766.76 E = 1097513.23	LAT: 31.77551816° LONG: -103.23772270°
SE CORNER SEC.9-BLK 21	N = 768617.52 E = 1100478.42	LAT: 31.74783948° LONG: -103.22733488°
SW CORNER OF UNIT	N = 767876.07 E = 1097943.50	LAT: 31.74562035° LONG: -103.23542449°
NW CORNER OF UNIT	N = 778025.78 E = 1094977.73	LAT: 31.77329967° LONG: -103.24581633°

GENERAL NOTES

- THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON REASONABLE VISUAL OBSERVATION. LOCATIONS OF UNDERGROUND UTILITIES/ STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREIN. ADDITIONAL BURIED UTILITIES/ STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/ STRUCTURES. BEFORE EXCAVATIONS ARE BEGUN, THE OFFICES OF THE VARIOUS UTILITIES SERVICING THIS AREA SHOULD BE CONTACTED FOR THEIR UTILITY LOCATION.
- BASIS OF BEARINGS: TEXAS STATE PLANE GRID, CENTRAL ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION.
- COMBINED SCALE FACTOR AT S.H.L. - 0.99982984
- VERTICAL DATUM IS NAVD 88
- AREAS, DISTANCES, AND COORDINATES ARE "GRID" BASED ON U.S. SURVEY FEET.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY.



CONTACT INFORMATION:

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Crafton Tull (10193715)
1000 Ledgeawn Dr.
Conway, AR 72034

4/5/2018



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www.craftontull.com

1000 Ledgeawn Dr
Conway, Arkansas 72034

REVISION

"UL MAROON 0904-21 1H"

E/2 - SECTION 4, BLOCK 21 - 320.61 ACRES
E/2 - SECTION 9, BLOCK 21 - 320.59 ACRES
PROPOSED DRILL SITE
WINKLER COUNTY, TEXAS

SCALE: 1" = 2000'

PLOT DATE: 04-05-2018

CHECKED BY:

DRAWN BY:

L.DOW

HFD

APPROVED BY:

SHEET NO.: 1 OF 1

A.LILEY



Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)



I, Jude Omokwale certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of July 01, 2018 through August 24, 2018, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 206.00 feet to a depth of 23351.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Felix Energy Holdings II, LLC for the UL Maroon 0904-21 1H Well (Original Hole) API No. 42-495-34108 in Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

A handwritten signature in black ink, featuring a stylized circular emblem with a triangle inside, followed by the name "omokwale" in a cursive script.

Jude Omokwale
FS