



<b>Company:</b> Extraction Oil & Gas <b>Lease / Well:</b> JESSER USX S 03-12 <b>County/Parish:</b> WELD COUNTY <b>State:</b> CO <b>Date:</b> 10/7/2017 <b>API#:</b> 05-123-26725 <b>Dir. Company:</b> N/A <b>Latitude:</b> 40° 20' 28.1" <b>Longitude:</b> 104° 54' 48.8"	<b>Operator:</b> JUSTON MCBAIN <b>Job Number:</b> SVGJ-170137 <b>Gyro Serial #:</b> 177 <b>Proposed Direction:</b> 0 <b>Total Correction:</b> 8.47 EAST TO TRUE <b>Rig/RKB:</b> WORK OVER <b>Tie-in Company:</b> N/A <b>X:</b> N/A <b>Y:</b> N/A
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GL ft.

**FIELD USE ONLY, DEFINITIVE SURVEY WILL COME FROM MS SURVEY OFFICES**

TIE-IN Survey				
Measured Depth (ft.)	Inclination	Azimuth Bearing	Vertical Depth	Coordinates (+N/-S) (+E/-W)

Digital Multi-Shot Survey Report									
Measured Depth (ft.)	Inclination	Azimuth Bearing	Vertical Depth	Vertical Section	Coordinates (+N/-S)	Coordinates (+E/-W)	Dog-Leg / 100 ft.	Closure Distance	Closure Direction
100.00	0.70	330.43	100.00	0.53	0.53	-0.30	0.70	0.61	330.43
200.00	0.74	321.28	199.99	1.57	1.57	-1.01	0.12	1.86	327.27
300.00	0.58	302.05	299.98	2.34	2.34	-1.84	0.27	2.98	321.81
400.00	0.60	271.94	399.98	2.63	2.63	-2.79	0.31	3.83	313.24
500.00	0.74	247.87	499.97	2.40	2.40	-3.91	0.31	4.59	301.51
600.00	1.05	233.40	599.96	1.61	1.61	-5.25	0.38	5.49	287.06
700.00	1.09	235.80	699.94	0.53	0.53	-6.77	0.06	6.79	274.47
800.00	1.26	241.18	799.92	-0.54	-0.54	-8.52	0.20	8.54	266.40
900.00	1.48	238.89	899.89	-1.73	-1.73	-10.59	0.23	10.73	260.71
1000.00	1.54	236.85	999.86	-3.13	-3.13	-12.82	0.08	13.20	256.26
1100.00	1.72	246.44	1099.82	-4.47	-4.47	-15.32	0.33	15.96	253.74
1200.00	2.26	249.06	1199.76	-5.77	-5.77	-18.54	0.55	19.42	252.70
1300.00	2.70	249.39	1299.66	-7.31	-7.31	-22.58	0.44	23.74	252.07
1400.00	2.91	250.77	1399.54	-8.97	-8.97	-27.18	0.22	28.63	251.73
1500.00	3.36	254.70	1499.39	-10.58	-10.58	-32.41	0.50	34.09	251.92
1600.00	3.51	255.35	1599.21	-12.13	-12.13	-38.20	0.15	40.08	252.38
1700.00	3.43	253.73	1699.03	-13.74	-13.74	-44.03	0.13	46.12	252.67
1800.00	3.11	253.56	1798.87	-15.35	-15.35	-49.50	0.32	51.83	252.77
1900.00	3.15	253.15	1898.72	-16.91	-16.91	-54.73	0.05	57.29	252.83
2000.00	3.03	251.37	1998.57	-18.55	-18.55	-59.87	0.15	62.68	252.78
2100.00	2.84	249.59	2098.44	-20.26	-20.26	-64.69	0.21	67.79	252.61
2200.00	2.72	249.28	2198.32	-21.96	-21.96	-69.24	0.12	72.64	252.40
2300.00	2.87	253.35	2298.20	-23.52	-23.52	-73.85	0.25	77.51	252.33
2400.00	3.14	254.92	2398.07	-24.95	-24.95	-78.90	0.28	82.75	252.45
2500.00	3.41	255.81	2497.90	-26.39	-26.39	-84.42	0.27	88.45	252.64
2600.00	3.39	254.93	2597.73	-27.89	-27.89	-90.16	0.06	94.38	252.81
2700.00	3.46	258.83	2697.55	-29.24	-29.24	-95.98	0.24	100.33	253.05
2800.00	3.58	259.95	2797.36	-30.37	-30.37	-102.01	0.14	106.44	253.42
2900.00	3.48	259.24	2897.17	-31.48	-31.48	-108.07	0.11	112.56	253.76
3000.00	3.33	258.25	2996.99	-32.64	-32.64	-113.89	0.16	118.48	254.01
3100.00	3.20	259.45	3096.83	-33.75	-33.75	-119.48	0.15	124.15	254.23
3200.00	3.02	258.72	3196.68	-34.77	-34.77	-124.81	0.18	129.56	254.43
3300.00	2.91	256.55	3296.55	-35.88	-35.88	-129.86	0.16	134.72	254.56
3400.00	2.70	252.81	3396.43	-37.16	-37.16	-134.58	0.28	139.62	254.56
3500.00	2.67	253.99	3496.32	-38.50	-38.50	-139.07	0.06	144.30	254.52
3600.00	2.76	251.67	3596.21	-39.90	-39.90	-143.59	0.14	149.03	254.47
3700.00	2.85	249.52	3696.09	-41.53	-41.53	-148.21	0.14	153.91	254.35
3800.00	2.84	250.38	3795.96	-43.23	-43.23	-152.87	0.04	158.86	254.21
3900.00	2.89	250.09	3895.84	-44.92	-44.92	-157.57	0.05	163.85	254.09
4000.00	2.24	252.70	3995.74	-46.36	-46.36	-161.81	0.66	168.32	254.01
4100.00	2.09	253.95	4095.67	-47.45	-47.45	-165.43	0.16	172.10	254.00
4200.00	1.87	260.48	4195.61	-48.22	-48.22	-168.79	0.31	175.54	254.06
4300.00	2.04	265.91	4295.55	-48.62	-48.62	-172.17	0.25	178.91	254.23
4400.00	2.61	249.13	4395.47	-49.55	-49.55	-176.08	0.88	182.92	254.28
4500.00	2.76	242.82	4495.36	-51.47	-51.47	-180.35	0.33	187.54	254.07
4600.00	2.88	241.41	4595.24	-53.77	-53.77	-184.69	0.14	192.36	253.77
4700.00	2.63	241.16	4695.12	-56.08	-56.08	-188.91	0.25	197.06	253.47
4800.00	2.62	243.43	4795.02	-58.21	-58.21	-192.96	0.10	201.55	253.21
4900.00	2.31	244.92	4894.92	-60.08	-60.08	-196.83	0.32	205.80	253.03
5000.00	2.12	247.09	4994.85	-61.66	-61.66	-200.36	0.21	209.63	252.90
5100.00	2.11	248.44	5094.78	-63.05	-63.05	-203.78	0.05	213.31	252.81
5200.00	2.07	246.73	5194.71	-64.44	-64.44	-207.15	0.07	216.94	252.72
5300.00	1.92	246.15	5294.65	-65.83	-65.83	-210.34	0.15	220.40	252.62



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5400.00	1.35	246.62	5394.61	-66.98	-66.98	-212.95	0.57	223.24	252.54
5500.00	1.28	238.51	5494.59	-68.03	-68.03	-214.99	0.20	225.49	252.44
5600.00	1.67	231.92	5594.55	-69.51	-69.51	-217.09	0.42	227.94	252.24
5700.00	1.69	232.18	5694.51	-71.31	-71.31	-219.40	0.02	230.70	251.99
5800.00	1.53	234.07	5794.47	-73.00	-73.00	-221.64	0.17	233.36	251.77
5900.00	1.40	230.80	5894.44	-74.56	-74.56	-223.67	0.15	235.77	251.57
6000.00	1.29	225.50	5994.41	-76.12	-76.12	-225.42	0.17	237.93	251.34
6100.00	1.00	221.39	6094.39	-77.56	-77.56	-226.80	0.30	239.70	251.12
6200.00	0.85	214.33	6194.38	-78.83	-78.83	-227.80	0.19	241.05	250.91
6300.00	0.82	216.50	6294.37	-80.02	-80.02	-228.64	0.04	242.24	250.71
6400.00	0.81	206.82	6394.36	-81.22	-81.22	-229.38	0.14	243.34	250.50
6500.00	0.84	218.57	6494.35	-82.43	-82.43	-230.16	0.17	244.47	250.30
6600.00	0.90	221.45	6594.33	-83.59	-83.59	-231.14	0.07	245.79	250.12
6700.00	0.99	222.11	6694.32	-84.82	-84.82	-232.24	0.09	247.24	249.94
6800.00	1.23	226.04	6794.30	-86.20	-86.20	-233.59	0.25	248.99	249.74
6900.00	1.31	216.64	6894.28	-87.87	-87.87	-235.04	0.22	250.93	249.50
7000.00	0.94	210.36	6994.26	-89.49	-89.49	-236.14	0.39	252.53	249.24
7100.00	0.70	218.14	7094.25	-90.68	-90.68	-236.93	0.26	253.69	249.06
7200.00	0.43	218.75	7194.24	-91.45	-91.45	-237.54	0.27	254.54	248.94