



Directional Survey Report

HOBBS OCD
NOV 02 2018
RECEIVED

Company: **Centennial Resources**
Well: **Mortal Kombat 36 State Com 502H**
County: **Lea County**
State: **New Mexico**
Field: **Ojo Chisco, Bone Spring**
API: **30-025-45063**
Rig: **H&P 650**
Service Co: **Gordon Technologies, LLC.**
Job #: **GT180452**
Survey Calc: **Minimum Curvature**

Well Surface Location
Latitude: **32.341732 N**
Longitude: **103.429403 W**
Reference: **NAD83**
Y (Northing) **489232.18**
X (Easting) **820505.76**
Field Engr: **Fidel Garcia**
Ed Hillsman

Report Date **14-Sep**
Time: **18:00**
Mag Reference: **TRUE NORTH**
Mag Correction: **6.77**
Vert Sect. Azi: **353.46°**
Perm Datum **Mean Sea Level**
Depth Ref **Rotary Table**
RKB Height: **25'**
GL Elev: **3383'**

Station	MD	Inc	Azimuth	True	VS	NS	EW	Dist	Angle	Course	Length	SLS	Temp	Surface
Tie In	1757	1.79	220.63	1756.84	-8.32	-8.84	-4.03	9.72	204.51	0	0.31		0	
1	1893.00	1.87	200.99	1892.77	-11.73	-12.52	-6.21	13.98	206.38	136.00	0.46	90.20		GORDON MWD
2	1987.00	1.94	205.37	1986.72	-14.45	-15.39	-7.44	17.10	205.81	94.00	0.17	95.50		GORDON MWD
3	2081.00	1.99	219.47	2080.66	-16.93	-18.09	-9.16	20.28	206.86	94.00	0.52	102.60		GORDON MWD
4	2175.00	1.91	227.96	2174.61	-18.97	-20.40	-11.36	23.35	209.12	94.00	0.32	106.10		GORDON MWD
5	2269.00	1.91	248.56	2268.56	-20.29	-22.02	-13.99	26.09	212.42	94.00	0.73	113.20		GORDON MWD
6	2363.00	1.95	255.51	2362.50	-20.91	-22.99	-16.99	28.59	216.46	94.00	0.25	116.17		GORDON MWD
7	2457.00	2.21	257.36	2456.44	-21.32	-23.79	-20.31	31.28	220.48	94.00	0.29	122.00		GORDON MWD
8	2551.00	2.73	252.59	2550.35	-21.94	-24.86	-24.21	34.70	224.25	94.00	0.59	127.30		GORDON MWD
9	2645.00	3.65	251.56	2644.21	-22.98	-26.47	-29.19	39.41	227.79	94.00	0.98	130.80		GORDON MWD
10	2739.00	4.51	256.48	2737.97	-24.04	-28.28	-35.62	45.48	231.55	94.00	0.99	132.60		GORDON MWD
11	2833.00	5.45	259.41	2831.61	-24.81	-29.97	-43.60	52.91	235.50	94.00	1.04	130.80		GORDON MWD
12	2927.00	5.68	263.58	2925.17	-25.11	-31.31	-52.61	61.22	239.24	94.00	0.49	132.60		GORDON MWD
13	3021.00	5.32	267.02	3018.74	-24.83	-32.06	-61.59	69.43	242.50	94.00	0.52	132.60		GORDON MWD
14	3115.00	4.86	265.93	3112.36	-24.39	-32.56	-69.91	77.12	245.02	94.00	0.50	127.29		GORDON MWD
15	3210.00	4.70	266.94	3207.03	-23.98	-33.06	-77.81	84.54	246.98	95.00	0.19	130.82		GORDON MWD
16	3304.00	5.06	264.59	3300.69	-23.67	-33.65	-85.78	92.15	248.58	94.00	0.44	130.80		GORDON MWD
17	3398.00	5.37	261.41	3394.30	-23.74	-34.70	-94.26	100.44	249.79	94.00	0.45	134.40		GORDON MWD
18	3492.00	5.17	263.60	3487.91	-23.89	-35.83	-102.82	108.88	250.79	94.00	0.30	136.10		GORDON MWD
19	3586.00	4.24	263.91	3581.59	-23.85	-36.67	-110.48	116.41	251.64	94.00	0.99	136.10		GORDON MWD
20	3680.00	4.82	261.25	3675.30	-23.98	-37.64	-117.84	123.71	252.28	94.00	0.66	139.60		GORDON MWD
21	3773.00	6.43	248.48	3767.85	-25.47	-40.15	-126.55	132.76	252.40	93.00	2.18	136.10		GORDON MWD

22	3867.00	7.59	238.24	3861.15	-29.48	-45.35	-136.72	144.05	251.65	94.00	1.81	137.90	GORDON MWD
23	3961.00	7.03	241.33	3954.38	-34.29	-51.37	-147.05	155.76	250.74	94.00	0.73	139.60	GORDON MWD
24	4055.00	6.40	242.25	4047.74	-38.35	-56.57	-156.73	166.63	250.15	94.00	0.68	127.30	GORDON MWD
25	4149.00	5.93	240.99	4141.19	-42.10	-61.37	-165.61	176.62	249.67	94.00	0.52	132.60	GORDON MWD
26	4243.00	5.66	244.79	4234.71	-45.44	-65.70	-174.06	186.04	249.32	94.00	0.50	136.10	GORDON MWD
27	4337.00	5.34	245.83	4328.28	-48.25	-69.46	-182.24	195.03	249.14	94.00	0.36	130.80	GORDON MWD
28	4431.00	5.19	245.19	4421.88	-50.91	-73.04	-190.09	203.64	248.98	94.00	0.17	136.10	GORDON MWD
29	4524.00	5.19	248.36	4514.50	-53.32	-76.35	-197.82	212.04	248.89	93.00	0.31	136.10	GORDON MWD
30	4619.00	5.12	248.11	4609.12	-55.57	-79.52	-205.75	220.58	248.87	95.00	0.08	136.10	GORDON MWD
31	4713.00	5.31	248.81	4702.73	-57.78	-82.65	-213.69	229.12	248.85	94.00	0.21	137.90	GORDON MWD
32	4807.00	5.46	250.50	4796.32	-59.88	-85.72	-221.96	237.94	248.88	94.00	0.23	139.60	GORDON MWD
33	4901.00	5.42	249.90	4889.89	-61.92	-88.74	-230.35	246.85	248.93	94.00	0.07	141.40	GORDON MWD
34	4995.00	5.56	252.28	4983.46	-63.85	-91.65	-238.85	255.83	249.01	94.00	0.28	143.20	GORDON MWD
35	5089.00	5.93	253.47	5076.99	-65.57	-94.42	-247.85	265.22	249.15	94.00	0.41	141.40	GORDON MWD
36	5183.00	5.89	255.86	5170.49	-67.05	-96.98	-257.18	274.86	249.34	94.00	0.27	137.90	GORDON MWD
37	5277.00	6.18	255.14	5263.97	-68.42	-99.45	-266.75	284.68	249.55	94.00	0.32	139.60	GORDON MWD
38	5312.00	6.21	256.38	5298.76	-68.93	-100.38	-270.41	288.44	249.63	35.00	0.39	141.20	GORDON MWD
39	5415.00	6.51	253.78	5401.13	-70.60	-103.32	-281.43	299.80	249.84	103.00	0.40	113.17	GORDON MWD
40	5464.00	6.70	254.01	5449.80	-71.53	-104.89	-286.84	305.42	249.91	49.00	0.39	114.94	GORDON MWD
41	5558.00	6.76	254.94	5543.16	-73.25	-107.83	-297.46	316.40	250.07	94.00	0.13	118.50	GORDON MWD
42	5652.00	6.78	254.52	5636.50	-74.94	-110.75	-308.15	327.45	250.23	94.00	0.06	120.20	GORDON MWD
43	5746.00	7.18	254.49	5729.80	-76.71	-113.80	-319.16	338.84	250.37	94.00	0.43	123.80	GORDON MWD
44	5840.00	6.20	248.46	5823.16	-78.94	-117.24	-329.54	349.77	250.42	94.00	1.28	125.50	GORDON MWD
45	5933.00	6.18	239.61	5915.62	-82.27	-121.62	-338.53	359.71	250.24	93.00	1.03	127.30	GORDON MWD
46	6028.00	6.41	241.50	6010.05	-86.32	-126.73	-347.60	369.98	249.97	95.00	0.33	129.10	GORDON MWD
47	6121.00	6.49	241.36	6102.46	-90.24	-131.73	-356.77	380.32	249.73	93.00	0.09	129.10	GORDON MWD
48	6215.00	6.51	240.77	6195.86	-94.29	-136.88	-366.09	390.84	249.50	94.00	0.07	129.10	GORDON MWD
49	6309.00	6.79	240.74	6289.23	-98.49	-142.20	-375.58	401.60	249.26	94.00	0.30	129.10	GORDON MWD
50	6403.00	6.08	240.44	6382.63	-102.59	-147.37	-384.76	412.02	249.04	94.00	0.76	130.80	GORDON MWD
51	6498.00	6.10	240.48	6477.10	-106.52	-152.34	-393.53	421.99	248.84	95.00	0.02	130.80	GORDON MWD
52	6591.00	5.53	243.80	6569.62	-109.96	-156.75	-401.85	431.34	248.69	93.00	0.71	132.60	GORDON MWD
53	6685.00	5.50	244.14	6663.18	-112.97	-160.71	-409.97	440.34	248.59	94.00	0.05	132.60	GORDON MWD
54	6779.00	5.66	244.24	6756.74	-115.99	-164.69	-418.20	449.46	248.50	94.00	0.17	134.40	GORDON MWD
55	6873.00	6.01	242.80	6850.25	-119.25	-168.96	-426.75	458.98	248.40	94.00	0.40	136.10	GORDON MWD
56	6967.00	4.85	246.97	6943.83	-122.12	-172.76	-434.78	467.85	248.33	94.00	1.30	137.90	GORDON MWD
57	7061.00	4.66	251.62	7037.50	-124.03	-175.52	-442.06	475.63	248.34	94.00	0.46	139.60	GORDON MWD
58	7156.00	4.86	251.16	7132.18	-125.68	-178.04	-449.53	483.51	248.39	95.00	0.21	136.10	GORDON MWD
59	7249.00	5.04	251.16	7224.83	-127.39	-180.63	-457.13	491.52	248.44	93.00	0.19	136.10	GORDON MWD
60	7344.00	5.32	251.16	7319.44	-129.21	-183.40	-465.25	500.09	248.49	95.00	0.29	136.10	GORDON MWD
61	7438.00	5.28	252.20	7413.04	-130.99	-186.13	-473.49	508.76	248.54	94.00	0.11	136.10	GORDON MWD
62	7532.00	5.19	254.33	7506.65	-132.51	-188.60	-481.70	517.30	248.62	94.00	0.23	136.10	GORDON MWD
63	7626.00	5.35	253.50	7600.25	-133.94	-190.99	-490.00	525.90	248.71	94.00	0.19	136.10	GORDON MWD
64	7720.00	5.44	254.57	7693.83	-135.39	-193.42	-498.49	534.70	248.79	94.00	0.14	136.10	GORDON MWD

65	7814.00	5.26	257.61	7787.42	-136.51	-195.53	-507.00	543.39	248.91	94.00	0.36	136.10	GORDON MWD
66	7908.00	5.20	259.55	7881.03	-137.24	-197.23	-515.39	551.84	249.06	94.00	0.20	137.90	GORDON MWD
67	8002.00	5.22	258.98	7974.64	-137.87	-198.82	-523.78	560.24	249.21	94.00	0.06	137.90	GORDON MWD
68	8095.00	5.14	260.19	8067.26	-138.44	-200.34	-532.04	568.51	249.37	93.00	0.15	137.90	GORDON MWD
69	8190.00	5.17	257.22	8161.88	-139.14	-202.01	-540.41	576.93	249.50	95.00	0.28	139.60	GORDON MWD
70	8283.00	4.60	257.27	8254.54	-140.00	-203.76	-548.13	584.78	249.61	93.00	0.61	139.70	GORDON MWD
71	8378.00	4.05	253.60	8349.27	-140.99	-205.54	-555.06	591.90	249.68	95.00	0.65	136.10	GORDON MWD
72	8472.00	3.28	250.07	8443.08	-142.18	-207.40	-560.78	597.90	249.70	94.00	0.85	137.90	GORDON MWD
73	8566.00	1.86	266.14	8536.98	-142.73	-208.42	-564.83	602.05	249.75	94.00	1.68	137.90	GORDON MWD
74	8660.00	0.92	209.04	8630.96	-143.27	-209.18	-566.71	604.09	249.74	94.00	1.66	141.40	GORDON MWD
75	8754.00	1.41	222.42	8724.94	-144.64	-210.69	-567.86	605.69	249.64	94.00	0.59	144.60	GORDON MWD
76	8848.00	2.02	257.11	8818.90	-145.59	-211.92	-570.26	608.36	249.61	94.00	1.25	146.70	GORDON MWD
77	8942.00	1.78	265.30	8912.85	-145.72	-212.41	-573.33	611.41	249.67	94.00	0.38	146.70	GORDON MWD
78	9036.00	0.36	247.29	9006.83	-145.76	-212.64	-575.05	613.11	249.71	94.00	1.53	130.80	GORDON MWD
79	9130.00	1.24	248.02	9100.82	-146.11	-213.13	-576.27	614.42	249.70	94.00	0.94	134.40	GORDON MWD
80	9224.00	1.08	219.54	9194.80	-147.00	-214.20	-577.78	616.20	249.66	94.00	0.63	136.10	GORDON MWD
81	9318.00	1.02	123.68	9288.79	-148.15	-215.34	-577.64	616.48	249.55	94.00	1.66	136.10	GORDON MWD
82	9412.00	2.14	93.75	9382.75	-149.01	-215.92	-575.20	614.39	249.42	94.00	1.44	137.90	GORDON MWD
83	9506.00	0.79	54.74	9476.72	-149.01	-215.66	-572.92	612.16	249.37	94.00	1.71	139.60	GORDON MWD
84	9600.00	1.43	334.50	9570.71	-147.59	-214.23	-572.89	611.64	249.50	94.00	1.61	143.20	GORDON MWD
85	9694.00	1.73	307.72	9664.67	-145.49	-212.30	-574.52	612.49	249.72	94.00	0.84	143.20	GORDON MWD
86	9788.00	0.82	310.01	9758.65	-144.01	-211.00	-576.16	613.58	249.89	94.00	0.97	143.20	GORDON MWD
87	9882.00	0.31	281.29	9852.65	-143.44	-210.52	-576.92	614.13	249.95	94.00	0.60	148.50	GORDON MWD
88	9937.00	0.71	274.16	9907.64	-143.33	-210.47	-577.41	614.57	249.97	55.00	0.73	148.50	GORDON MWD
89	9975.00	0.63	266.31	9945.64	-143.28	-210.46	-577.85	614.98	249.99	38.00	0.32	132.60	GORDON MWD
90	10037.00	3.64	341.39	10007.60	-141.34	-208.62	-578.82	615.27	250.18	62.00	5.69	136.10	GORDON MWD
91	10069.00	5.67	350.53	10039.49	-138.77	-206.10	-579.40	614.97	250.42	32.00	6.73	136.10	GORDON MWD
92	10116.00	8.97	356.85	10086.10	-132.79	-200.15	-579.99	613.55	250.96	47.00	7.22	136.10	GORDON MWD
93	10163.00	13.87	358.22	10132.16	-123.51	-190.85	-580.36	610.94	251.80	47.00	10.44	137.90	GORDON MWD
94	10194.00	16.53	358.89	10162.07	-115.42	-182.73	-580.56	608.64	252.53	31.00	8.60	132.60	GORDON MWD
95	10226.00	18.85	2.87	10192.55	-105.78	-173.01	-580.39	605.63	253.40	32.00	8.17	132.60	GORDON MWD
96	10257.00	22.02	7.40	10221.60	-95.20	-162.24	-579.39	601.68	254.36	31.00	11.42	134.40	GORDON MWD
97	10288.00	27.04	6.70	10249.79	-82.69	-149.47	-577.82	596.84	255.50	31.00	16.22	130.80	GORDON MWD
98	10320.00	31.67	7.36	10277.68	-67.45	-133.91	-575.90	591.26	256.91	32.00	14.50	130.80	GORDON MWD
99	10351.00	35.90	6.79	10303.44	-50.70	-116.81	-573.78	585.55	258.49	31.00	13.68	132.60	GORDON MWD
100	10383.00	41.47	6.73	10328.41	-31.24	-96.95	-571.43	579.59	260.37	32.00	17.41	132.60	GORDON MWD
101	10414.00	46.54	5.06	10350.70	-10.21	-75.54	-569.23	574.22	262.44	31.00	16.78	134.40	GORDON MWD
102	10445.00	51.05	3.07	10371.12	12.71	-52.28	-567.59	569.99	264.74	31.00	15.33	134.40	GORDON MWD
103	10477.00	56.30	1.36	10390.07	38.18	-26.53	-566.61	567.23	267.32	32.00	16.96	134.40	GORDON MWD
104	10508.00	61.28	0.77	10406.12	64.45	-0.03	-566.12	566.12	270.00	31.00	16.15	136.10	GORDON MWD
105	10528.00	64.83	1.10	10415.19	82.13	-17.80	-565.83	566.11	271.80	20.00	17.81	130.80	GORDON MWD
106	10560.00	69.12	1.46	10427.70	111.30	47.23	-565.17	567.14	274.78	32.00	13.45	132.60	GORDON MWD
107	10591.00	72.97	1.86	10437.77	140.31	76.53	-564.32	569.48	277.72	31.00	12.48	134.40	GORDON MWD

108	10622.00	75.79	2.93	10446.11	169.80	106.36	-563.07	573.02	280.70	31.00	9.68	137.90	GORDON MWD
109	10654.00	78.32	2.25	10453.28	200.59	137.51	-561.66	578.25	283.76	32.00	8.17	139.60	GORDON MWD
110	10685.00	80.37	0.98	10459.01	230.74	167.96	-560.80	585.41	286.67	31.00	7.74	139.60	GORDON MWD
111	10717.00	82.02	0.01	10463.91	262.13	199.58	-560.53	595.00	289.60	32.00	5.96	141.40	GORDON MWD
112	10748.00	83.77	359.20	10467.74	292.71	230.34	-560.74	606.21	292.33	31.00	6.21	141.40	GORDON MWD
113	10779.00	84.98	359.40	10470.78	323.40	261.19	-561.12	618.93	294.96	31.00	3.96	144.90	GORDON MWD
114	10811.00	85.79	359.28	10473.36	355.13	293.08	-561.49	633.38	297.56	32.00	2.56	148.50	GORDON MWD
115	10842.00	85.96	359.77	10475.59	385.87	324.00	-561.74	648.48	299.98	31.00	1.67	146.70	GORDON MWD
116	10873.00	86.92	359.86	10477.51	416.62	354.94	-561.84	664.57	302.28	31.00	3.11	146.70	GORDON MWD
117	10936.00	88.43	359.92	10480.07	479.17	417.89	-561.96	700.31	306.64	63.00	2.40	148.50	GORDON MWD
118	10967.00	88.66	359.92	10480.86	509.97	448.88	-562.01	719.27	308.61	31.00	0.74	150.20	GORDON MWD
119	11030.00	89.94	0.92	10481.63	572.50	511.87	-561.54	759.83	312.35	63.00	2.58	154.60	GORDON MWD
120	11124.00	90.73	0.97	10481.08	665.69	605.85	-559.99	825.02	317.25	94.00	0.84	157.30	GORDON MWD
121	11218.00	89.75	0.88	10480.68	758.89	699.84	-558.48	895.36	321.41	94.00	1.05	158.10	GORDON MWD
122	11313.00	91.60	1.54	10479.56	853.02	794.81	-556.47	970.25	325.00	95.00	2.07	161.70	GORDON MWD
123	11407.00	91.34	1.28	10477.15	946.08	888.75	-554.16	1047.36	328.06	94.00	0.39	161.70	GORDON MWD
124	11501.00	90.84	0.89	10475.36	1039.23	982.71	-552.38	1127.32	330.66	94.00	0.67	164.40	GORDON MWD
125	11595.00	91.82	0.38	10473.18	1132.47	1076.68	-551.34	1209.63	332.88	94.00	1.18	165.20	GORDON MWD
126	11689.00	91.20	359.70	10470.70	1225.82	1170.65	-551.27	1293.95	334.78	94.00	0.98	165.20	GORDON MWD
127	11783.00	91.60	359.23	10468.41	1319.27	1264.61	-552.15	1379.90	336.41	94.00	0.66	167.90	GORDON MWD
128	11877.00	92.21	358.03	10465.28	1412.84	1358.53	-554.40	1467.30	337.80	94.00	1.43	169.60	GORDON MWD
129	11971.00	91.29	358.10	10462.41	1506.49	1452.44	-557.57	1555.78	339.00	94.00	0.98	168.80	GORDON MWD
130	12065.00	91.12	358.55	10460.44	1600.13	1546.37	-560.31	1644.76	340.08	94.00	0.51	169.60	GORDON MWD
131	12160.00	89.61	358.49	10459.83	1694.75	1641.34	-562.77	1735.14	341.07	95.00	1.59	168.80	GORDON MWD
132	12254.00	90.42	357.90	10459.81	1788.43	1735.29	-565.73	1825.18	341.94	94.00	1.07	172.30	GORDON MWD
133	12347.00	89.92	359.33	10459.53	1881.05	1828.26	-567.98	1914.45	342.74	93.00	1.63	168.80	GORDON MWD
134	12442.00	91.43	1.37	10458.41	1975.35	1923.24	-567.40	2005.19	343.56	95.00	2.67	168.80	GORDON MWD
135	12536.00	90.76	1.14	10456.61	2068.47	2017.20	-565.34	2094.93	344.34	94.00	0.75	168.80	GORDON MWD
136	12630.00	91.82	0.75	10454.50	2161.64	2111.17	-563.79	2185.15	345.05	94.00	1.20	168.80	GORDON MWD
137	12724.00	91.76	0.86	10451.56	2254.82	2205.11	-562.47	2275.72	345.69	94.00	0.13	171.40	GORDON MWD
138	12818.00	90.22	1.70	10449.94	2347.93	2299.07	-560.37	2366.38	346.30	94.00	1.87	173.20	GORDON MWD
139	12912.00	91.51	1.64	10448.52	2440.96	2393.02	-557.63	2457.13	346.88	94.00	1.37	174.90	GORDON MWD
140	13007.00	90.28	0.53	10447.03	2535.10	2487.98	-555.83	2549.32	347.41	95.00	1.74	174.90	GORDON MWD
141	13101.00	91.20	0.31	10445.82	2628.40	2581.97	-555.14	2640.98	347.87	94.00	1.01	173.20	GORDON MWD
142	13195.00	89.78	359.88	10445.02	2721.76	2675.97	-554.99	2732.91	348.28	94.00	1.58	173.20	GORDON MWD
143	13288.00	90.08	359.49	10445.13	2814.22	2768.96	-555.50	2824.14	348.66	93.00	0.53	175.90	GORDON MWD
144	13382.00	91.12	358.88	10444.15	2907.74	2862.95	-556.83	2916.60	348.99	94.00	1.28	174.90	GORDON MWD
145	13476.00	89.47	359.25	10443.66	3001.29	2956.93	-558.37	3009.19	349.31	94.00	1.80	175.90	GORDON MWD
146	13570.00	90.70	359.39	10443.52	3094.79	3050.92	-559.48	3101.80	349.61	94.00	1.32	178.50	GORDON MWD
147	13664.00	92.07	359.45	10441.25	3188.26	3144.89	-560.44	3194.43	349.90	94.00	1.46	179.40	GORDON MWD
148	13758.00	90.98	0.22	10438.75	3281.64	3238.85	-560.71	3287.03	350.18	94.00	1.42	178.50	GORDON MWD
149	13852.00	90.64	0.85	10437.42	3374.91	3332.84	-559.83	3379.53	350.46	94.00	0.76	178.50	GORDON MWD
150	13946.00	91.46	0.83	10435.70	3468.12	3426.81	-558.45	3472.02	350.74	94.00	0.87	178.50	GORDON MWD

151	14040.00	91.57	0.26	10433.21	3561.37	3520.77	-557.56	3564.65	351.00	94.00	0.62	178.50	GORDON MWD
152	14135.00	90.67	0.13	10431.36	3655.69	3615.75	-557.23	3658.44	351.24	95.00	0.96	172.30	GORDON MWD
153	14229.00	88.91	359.51	10431.70	3749.11	3709.75	-557.53	3751.41	351.45	94.00	1.99	175.90	GORDON MWD
154	14323.00	90.00	359.00	10432.59	3842.62	3803.74	-558.75	3844.56	351.64	94.00	1.28	178.50	GORDON MWD
155	14417.00	90.20	358.27	10432.43	3936.24	3897.71	-560.99	3937.87	351.81	94.00	0.81	178.50	GORDON MWD
156	14511.00	90.42	359.84	10431.92	4029.79	3991.69	-562.54	4031.13	351.98	94.00	1.69	178.50	GORDON MWD
157	14605.00	89.66	1.02	10431.86	4123.09	4085.69	-561.83	4124.13	352.17	94.00	1.49	178.50	GORDON MWD
158	14699.00	90.64	0.95	10431.61	4216.28	4179.67	-560.22	4217.05	352.37	94.00	1.05	180.20	GORDON MWD
159	14793.00	92.21	0.67	10429.27	4309.47	4273.63	-558.89	4310.02	352.55	94.00	1.70	180.20	GORDON MWD
160	14887.00	89.83	0.74	10427.60	4402.70	4367.60	-557.73	4403.07	352.72	94.00	2.53	179.40	GORDON MWD
161	14981.00	89.05	359.96	10428.52	4496.02	4461.59	-557.16	4496.25	352.88	94.00	1.17	179.40	GORDON MWD
162	15075.00	89.30	0.37	10429.87	4589.36	4555.58	-556.89	4589.49	353.03	94.00	0.51	180.20	GORDON MWD
163	15169.00	89.97	0.64	10430.47	4682.65	4649.58	-556.06	4682.71	353.18	94.00	0.77	179.40	GORDON MWD
164	15263.00	91.85	1.03	10428.98	4775.86	4743.55	-554.69	4775.87	353.33	94.00	2.04	182.00	GORDON MWD
165	15357.00	91.62	0.40	10426.13	4869.06	4837.50	-553.52	4869.06	353.47	94.00	0.71	182.90	GORDON MWD
166	15413.00	93.50	0.26	10423.63	4924.60	4893.44	-553.20	4924.61	353.55	56.00	3.37	182.00	GORDON MWD
PTB	15470.00	93.50	0.26	10420.15	4981.10	4950.33	-552.94	4981.12	353.63	57.00	0.00	0.00	PROJECTION

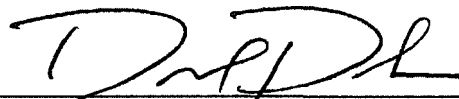


MWD SURVEY CERTIFICATION
Gordon Technologies, LLC

State Of New Mexico

County Of Lea

I, David Parish certify that; I am employed by Gordon Technologies, LLC.;
that I did on the day(s) of September 1, 2018 through September 14, 2018 conduct
or supervise the taking of a MWD survey from a depth of 1,757 feet to a depth of
15,470 feet; that the data is true, correct, complete and within the limitations of the
tool set forth by Gordon Technologies, LLC.; that I am authorized and qualified to make this report;
that this survey was conducted at the request of Centennial Resources Prod., LLC. for the
Mortal Kombat 36 State Com 502H Well, A.P.I. No. 30-025-45063 in
Ojo Chisc; Bone Spring Field and that I have reviewed this report and find that
it conforms to the principles and procedures set forth by Gordon Technologies, LLC.



Surveyor's Signature

MWD Coordinator
Title