

DRILTECH MWD SURVEY REPORT



Company: Endurance Resources, LLC
 Well: Duo Sonic 29 Federal #4H
 Location: Lea County, New Mexico
 Rig: NorAm 23

Job Number: DM-2016-046-ENDT-NM
 Vertical Section Plane: 359.45
 Well API Number: 30-025-43090
 Tie Into: VES

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	Gyro	965.00	1.32	6.78	965.00	964.91	11.18	11.18	N	2.29	E	11.41	11.58	0.43	0.00	0.00
1	MWD	1149.00	1.40	9.80	184	1148.86	15.47	15.50	N	2.92	E	15.77	10.68	0.06	0.04	1.64
2	MWD	1244.00	1.40	9.10	95	1243.83	17.76	17.79	N	3.30	E	18.09	10.52	0.02	0.00	-0.74
3	MWD	1338.00	1.40	10.80	94	1337.80	20.01	20.05	N	3.70	E	20.39	10.46	0.04	0.00	1.81
4	MWD	1432.00	1.40	11.20	94	1431.77	22.26	22.31	N	4.14	E	22.69	10.51	0.01	0.00	0.43
5	MWD	1527.00	1.40	5.70	95	1526.75	24.55	24.60	N	4.48	E	25.00	10.32	0.14	0.00	-5.79
6	MWD	1621.00	1.40	8.00	94	1620.72	26.83	26.88	N	4.75	E	27.30	10.03	0.06	0.00	2.45
7	MWD	1716.00	1.60	10.10	95	1715.68	29.28	29.33	N	5.15	E	29.78	9.95	0.22	0.21	2.21
8	MWD	1810.00	1.60	5.70	94	1809.65	31.88	31.93	N	5.51	E	32.40	9.79	0.13	0.00	-4.68
9	MWD	1904.00	1.80	13.30	94	1903.61	34.61	34.67	N	5.98	E	35.19	9.78	0.32	0.21	8.09
10	MWD	1999.00	1.80	14.90	95	1998.56	37.50	37.57	N	6.70	E	38.16	10.12	0.05	0.00	1.68
11	MWD	2093.00	2.10	19.30	94	2092.51	40.54	40.62	N	7.65	E	41.33	10.67	0.36	0.32	4.68
12	MWD	2187.00	1.40	14.50	94	2186.46	43.27	43.36	N	8.51	E	44.18	11.11	0.76	-0.74	-5.11
13	MWD	2281.00	0.70	315.30	94	2280.45	44.79	44.88	N	8.39	E	45.65	10.59	1.28	-0.74	320.00
14	MWD	2376.00	0.90	300.90	95	2375.44	45.60	45.67	N	7.35	E	46.26	9.14	0.30	0.21	-15.16
15	MWD	2470.00	0.90	322.70	94	2469.43	46.58	46.64	N	6.26	E	47.06	7.65	0.36	0.00	23.19
16	MWD	2565.00	0.90	329.70	95	2564.41	47.82	47.88	N	5.44	E	48.18	6.48	0.12	0.00	7.37
17	MWD	2659.00	0.90	339.00	94	2658.40	49.15	49.20	N	4.80	E	49.44	5.57	0.16	0.00	9.89
18	MWD	2754.00	0.90	344.30	95	2753.39	50.57	50.62	N	4.33	E	50.80	4.89	0.09	0.00	5.58
19	MWD	2848.00	1.10	353.30	94	2847.38	52.18	52.22	N	4.02	E	52.38	4.41	0.27	0.21	9.57
20	MWD	2943.00	1.20	0.50	95	2942.36	54.08	54.12	N	3.93	E	54.27	4.15	0.18	0.11	-371.37
21	MWD	3037.00	0.50	304.70	94	3036.35	55.31	55.34	N	3.60	E	55.46	3.72	1.07	-0.74	323.62
22	MWD	3131.00	0.90	207.40	94	3130.34	54.89	54.92	N	2.92	E	55.00	3.05	1.15	0.43	-103.51
23	MWD	3226.00	0.70	197.30	95	3225.33	53.68	53.70	N	2.41	E	53.76	2.56	0.26	-0.21	-10.63
24	MWD	3320.00	0.20	182.00	94	3319.33	52.97	52.99	N	2.23	E	53.04	2.41	0.54	-0.53	-16.28
25	MWD	3415.00	0.20	116.70	95	3414.33	52.73	52.75	N	2.37	E	52.81	2.57	0.23	0.00	-68.74
26	MWD	3509.00	0.00	153.00	94	3508.33	52.65	52.68	N	2.52	E	52.74	2.74	0.21	-0.21	38.62
27	MWD	3603.00	0.40	50.40	94	3602.33	52.86	52.89	N	2.77	E	52.96	3.00	0.43	0.43	-109.15
28	MWD	3697.00	0.40	33.00	94	3696.33	53.34	53.37	N	3.20	E	53.47	3.43	0.13	0.00	-18.51
29	MWD	3792.00	0.50	46.50	95	3791.32	53.90	53.94	N	3.68	E	54.06	3.91	0.15	0.11	14.21
30	MWD	3886.00	0.50	38.30	94	3885.32	54.50	54.54	N	4.24	E	54.70	4.44	0.08	0.00	-8.72
31	MWD	3981.00	0.40	44.90	95	3980.32	55.05	55.10	N	4.73	E	55.30	4.90	0.12	-0.11	6.95
32	MWD	4075.00	0.50	50.70	94	4074.31	55.54	55.59	N	5.28	E	55.84	5.42	0.12	0.11	6.17
33	MWD	4169.00	0.70	53.90	94	4168.31	56.13	56.19	N	6.06	E	56.52	6.15	0.22	0.21	3.40



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								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
34	MWD	4263.00	0.90	63.70	94	4262.30	56.78	56.86 N	7.18 E	57.31	7.20	0.26	0.21	10.43
35	MWD	4357.00	0.50	96.40	94	4356.29	57.05	57.14 N	8.25 E	57.73	8.22	0.59	-0.43	34.79
36	MWD	4452.00	1.10	103.50	95	4451.28	56.78	56.88 N	9.55 E	57.67	9.53	0.64	0.63	7.47
37	MWD	4546.00	1.80	98.70	94	4545.25	56.33	56.44 N	11.89 E	57.68	11.89	0.76	0.74	-5.11
38	MWD	4640.00	0.90	138.10	94	4639.23	55.54	55.67 N	13.84 E	57.37	13.96	1.32	-0.96	41.91
39	MWD	4735.00	0.70	195.40	95	4734.22	54.42	54.56 N	14.18 E	56.37	14.57	0.83	-0.21	60.32
40	MWD	4829.00	0.90	155.00	94	4828.21	53.19	53.33 N	14.34 E	55.23	15.05	0.62	0.21	-42.98
41	MWD	4924.00	1.40	136.90	95	4923.19	51.66	51.81 N	15.45 E	54.06	16.61	0.64	0.53	-19.05
42	MWD	5018.00	1.10	141.60	94	5017.17	50.10	50.26 N	16.80 E	53.00	18.48	0.34	-0.32	5.00
43	MWD	5112.00	0.20	109.30	94	5111.16	49.33	49.50 N	17.51 E	52.51	19.48	1.00	-0.96	-34.36
44	MWD	5186.00	0.40	99.30	74	5185.16	49.24	49.42 N	17.89 E	52.56	19.90	0.28	0.27	-13.51
45	MWD	5357.00	0.40	128.80	171	5356.16	48.76	48.95 N	18.94 E	52.49	21.16	0.12	0.00	17.25
46	MWD	5451.00	0.40	125.60	94	5450.15	48.36	48.55 N	19.47 E	52.31	21.85	0.02	0.00	-3.40
47	MWD	5546.00	0.90	168.00	95	5545.15	47.44	47.63 N	19.89 E	51.61	22.67	0.70	0.53	44.63
48	MWD	5640.00	0.90	175.20	94	5639.14	45.98	46.17 N	20.11 E	50.36	23.53	0.12	0.00	7.66
49	MWD	5734.00	1.10	167.80	94	5733.12	44.36	44.55 N	20.36 E	48.98	24.56	0.25	0.21	-7.87
50	MWD	5829.00	1.10	163.90	95	5828.11	42.58	42.79 N	20.80 E	47.58	25.93	0.08	0.00	-4.11
51	MWD	5923.00	0.90	167.80	94	5922.09	40.99	41.20 N	21.21 E	46.34	27.24	0.22	-0.21	4.15
52	MWD	6017.00	0.90	167.30	94	6016.08	39.55	39.76 N	21.53 E	45.21	28.44	0.01	0.00	-0.53
53	MWD	6112.00	0.90	172.70	95	6111.07	38.08	38.29 N	21.79 E	44.05	29.64	0.09	0.00	5.68
54	MWD	6206.00	0.70	175.20	94	6205.06	36.77	36.98 N	21.93 E	43.00	30.67	0.22	-0.21	2.66
55	MWD	6301.00	0.90	176.60	95	6300.05	35.45	35.66 N	22.02 E	41.91	31.70	0.21	0.21	1.47
56	MWD	6395.00	0.70	176.40	94	6394.04	34.14	34.35 N	22.10 E	40.85	32.76	0.21	-0.21	-0.21
57	MWD	6490.00	0.70	186.10	95	6489.03	32.98	33.19 N	22.08 E	39.86	33.63	0.12	0.00	10.21
58	MWD	6584.00	0.70	182.00	94	6583.03	31.84	32.05 N	22.00 E	38.87	34.46	0.05	0.00	-4.36
59	MWD	6679.00	0.70	186.80	95	6678.02	30.68	30.89 N	21.91 E	37.87	35.34	0.06	0.00	5.05
60	MWD	6773.00	0.90	191.00	94	6772.01	29.39	29.60 N	21.70 E	36.70	36.24	0.22	0.21	4.47
61	MWD	6867.00	0.90	187.10	94	6866.00	27.93	28.14 N	21.47 E	35.39	37.34	0.07	0.00	-4.15
62	MWD	6962.00	0.70	191.20	95	6960.99	26.63	26.83 N	21.26 E	34.23	38.39	0.22	-0.21	4.32
63	MWD	7056.00	0.70	194.90	94	7054.98	25.51	25.71 N	21.00 E	33.20	39.24	0.05	0.00	3.94
64	MWD	7151.00	0.90	193.80	95	7149.97	24.23	24.43 N	20.67 E	32.00	40.24	0.21	0.21	-1.16
65	MWD	7245.00	0.90	199.30	94	7243.96	22.82	23.01 N	20.25 E	30.66	41.35	0.09	0.00	5.85
66	MWD	7340.00	1.10	193.80	95	7338.95	21.23	21.42 N	19.79 E	29.17	42.73	0.23	0.21	-5.79
67	MWD	7433.00	1.10	195.40	93	7431.93	19.51	19.70 N	19.34 E	27.60	44.48	0.03	0.00	1.72
68	MWD	7528.00	1.20	197.90	95	7526.91	17.69	17.87 N	18.79 E	25.93	46.44	0.12	0.11	2.63
69	MWD	7622.00	1.20	194.00	94	7620.89	15.80	15.98 N	18.25 E	24.26	48.80	0.09	0.00	-4.15
70	MWD	7717.00	1.40	195.20	95	7715.86	13.72	13.89 N	17.71 E	22.51	51.88	0.21	0.21	1.26



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								N/S (ft)	E/W (ft)		Distance (ft)	Angle (deg)			
71	MWD	7811.00	1.20	194.20	94	7809.84	11.67	11.83 N	17.16 E		20.85	55.42	0.21	-0.21	-1.06
72	MWD	7906.00	0.90	179.20	95	7904.82	9.96	10.12 N	16.93 E		19.72	59.13	0.43	-0.32	-15.79
73	MWD	8000.00	1.20	185.90	94	7998.81	8.24	8.40 N	16.84 E		18.82	63.48	0.34	0.32	7.13
74	MWD	8094.00	1.60	194.00	94	8092.78	5.99	6.15 N	16.42 E		17.54	69.46	0.47	0.43	8.62
75	MWD	8188.00	1.60	193.60	94	8186.74	3.45	3.60 N	15.79 E		16.20	77.15	0.01	0.00	-0.43
76	MWD	8283.00	1.60	185.90	95	8281.71	0.85	0.99 N	15.35 E		15.38	86.29	0.23	0.00	-8.11
77	MWD	8377.00	1.80	181.90	94	8375.66	-1.93	1.79 S	15.16 E		15.27	96.72	0.25	0.21	-4.26
78	MWD	8471.00	1.80	182.40	94	8469.62	-4.88	4.74 S	15.05 E		15.78	107.47	0.02	0.00	0.53
79	MWD	8565.00	1.80	182.20	94	8563.57	-7.83	7.69 S	14.93 E		16.80	117.24	0.01	0.00	-0.21
80	MWD	8659.00	1.60	177.80	94	8657.53	-10.62	10.47 S	14.93 E		18.23	125.06	0.25	-0.21	-4.68
81	MWD	8753.00	1.40	171.10	94	8751.50	-13.06	12.92 S	15.16 E		19.91	130.45	0.28	-0.21	-7.13
82	MWD	8847.00	1.40	167.80	94	8845.47	-15.33	15.18 S	15.58 E		21.75	134.26	0.09	0.00	-3.51
83	MWD	8941.00	1.60	163.80	94	8939.44	-17.71	17.56 S	16.18 E		23.88	137.33	0.24	0.21	-4.26
84	MWD	9035.00	1.40	156.40	94	9033.41	-20.03	19.87 S	17.01 E		26.16	139.44	0.30	-0.21	-7.87
85	MWD	9129.00	1.40	148.80	94	9127.38	-22.08	21.91 S	18.06 E		28.39	140.49	0.20	0.00	-8.09
86	MWD	9223.00	1.40	137.40	94	9221.35	-23.92	23.73 S	19.44 E		30.68	140.68	0.30	0.00	-12.13
87	MWD	9317.00	1.40	126.00	94	9315.32	-25.46	25.25 S	21.14 E		32.94	140.06	0.30	0.00	-12.13
88	MWD	9411.00	1.40	116.00	94	9409.29	-26.65	26.43 S	23.10 E		35.11	138.84	0.26	0.00	-10.64
89	MWD	9505.00	1.40	120.30	94	9503.27	-27.75	27.51 S	25.13 E		37.26	137.60	0.11	0.00	4.57
90	MWD	9599.00	1.40	118.40	94	9597.24	-28.90	28.64 S	27.13 E		39.45	136.55	0.05	0.00	-2.02
91	MWD	9693.00	1.40	123.90	94	9691.21	-30.10	29.83 S	29.09 E		41.67	135.71	0.14	0.00	5.85
92	MWD	9788.00	1.80	120.00	95	9786.17	-31.52	31.22 S	31.35 E		44.24	134.88	0.44	0.42	-4.11
93	MWD	9893.00	1.80	125.80	105	9891.12	-33.34	33.01 S	34.11 E		47.47	134.06	0.17	0.00	5.52
94	MWD	9988.00	1.60	122.60	95	9986.08	-34.94	34.60 S	36.44 E		50.25	133.51	0.23	-0.21	-3.37
95	MWD	10082.00	1.40	123.90	94	10080.05	-36.31	35.94 S	38.50 E		52.67	133.03	0.22	-0.21	1.38
96	MWD	10179.00	1.40	142.10	97	10177.02	-37.92	37.54 S	40.21 E		55.01	133.03	0.46	0.00	18.76
97	MWD	10273.00	1.10	140.90	94	10270.99	-39.54	39.15 S	41.49 E		57.04	133.34	0.32	-0.32	-1.28
98	MWD	10302.00	1.10	125.80	29	10299.99	-39.93	39.53 S	41.89 E		57.59	133.34	1.00	0.00	-52.07
99	MWD	10386.00	0.70	41.60	84	10383.98	-40.02	39.61 S	42.88 E		58.38	132.73	1.48	-0.48	-100.24
100	MWD	10433.00	4.90	348.00	47	10430.92	-37.84	37.43 S	42.65 E		56.75	131.27	9.62	8.94	651.91
101	MWD	10480.00	9.30	345.00	47	10477.55	-32.19	31.80 S	41.25 E		52.09	127.63	9.39	9.36	-6.38
102	MWD	10527.00	15.30	347.30	47	10523.45	-22.45	22.07 S	38.91 E		44.73	119.57	12.81	12.77	4.89
103	MWD	10575.00	19.70	346.80	48	10569.21	-8.35	8.01 S	35.66 E		36.55	102.66	9.17	9.17	-1.04
104	MWD	10622.00	25.30	348.90	47	10612.62	9.26	9.57 N	31.92 E		33.32	73.31	12.04	11.91	4.47
105	MWD	10669.00	30.30	354.30	47	10654.19	30.96	31.24 N	28.81 E		42.49	42.68	11.90	10.64	11.49
106	MWD	10716.00	34.80	356.10	47	10693.80	56.17	56.43 N	26.71 E		62.44	25.33	9.79	9.57	3.83
107	MWD	10764.00	39.10	355.90	48	10732.15	84.97	85.21 N	24.70 E		88.72	16.17	8.96	8.96	-0.42



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108	MWD	10811.00	43.10	357.80	47	10767.56	115.82	116.05 N	23.02 E	118.31	11.22	8.92	8.51	4.04
109	MWD	10859.00	48.60	359.40	48	10800.98	150.25	150.47 N	22.20 E	152.10	8.39	11.70	11.46	3.33
110	MWD	10906.00	52.80	1.00	47	10830.75	186.60	186.83 N	22.35 E	188.16	6.82	9.32	8.94	-762.55
111	MWD	10953.00	56.50	0.30	47	10857.93	224.92	225.15 N	22.78 E	226.30	5.78	7.97	7.87	-1.49
112	MWD	11000.00	60.00	358.90	47	10882.66	264.88	265.11 N	22.49 E	266.06	4.85	7.87	7.45	762.98
113	MWD	11048.00	64.00	357.80	48	10905.19	307.25	307.46 N	21.26 E	308.20	3.96	8.58	8.33	-2.29
114	MWD	11095.00	67.40	357.30	47	10924.53	350.05	350.25 N	19.43 E	350.79	3.17	7.30	7.23	-1.06
115	MWD	11142.00	72.70	358.00	47	10940.56	394.19	394.38 N	17.62 E	394.77	2.56	11.36	11.28	1.49
116	MWD	11189.00	76.20	357.50	47	10953.16	439.45	439.62 N	15.84 E	439.90	2.06	7.52	7.45	-1.06
117	MWD	11236.00	79.90	355.20	47	10962.89	485.35	485.49 N	12.91 E	485.67	1.52	9.21	7.87	-4.89
118	MWD	11283.00	84.30	354.70	47	10969.35	531.75	531.86 N	8.81 E	531.93	0.95	9.42	9.36	-1.06
119	MWD	11337.00	89.00	356.20	54	10972.50	585.51	585.58 N	4.54 E	585.59	0.44	9.13	8.70	2.78
120	MWD	11431.00	90.10	356.10	94	10973.24	679.35	679.36 N	1.77 W	679.36	359.85	1.18	1.17	-0.11
121	MWD	11525.00	90.60	356.90	94	10972.67	773.22	773.18 N	7.51 W	773.22	359.44	1.00	0.53	0.85
122	MWD	11614.00	90.40	357.80	89	10971.89	862.15	862.08 N	11.63 W	862.16	359.23	1.04	-0.22	1.01
123	MWD	11708.00	89.60	1.00	94	10971.89	956.14	956.06 N	12.61 W	956.15	359.24	3.51	-0.85	-379.57
124	MWD	11801.00	89.90	359.60	93	10972.30	1049.13	1049.06 N	12.12 W	1049.13	359.34	1.54	0.32	385.59
125	MWD	11896.00	90.40	359.90	95	10972.05	1144.13	1144.06 N	12.54 W	1144.13	359.37	0.61	0.53	0.32
126	MWD	11989.00	88.90	0.60	93	10972.62	1237.11	1237.05 N	12.13 W	1237.11	359.44	1.78	-1.61	-386.34
127	MWD	12083.00	89.00	359.90	94	10974.34	1331.09	1331.04 N	11.72 W	1331.09	359.50	0.75	0.11	382.23
128	MWD	12178.00	89.00	359.20	95	10976.00	1426.07	1426.02 N	12.47 W	1426.07	359.50	0.74	0.00	-0.74
129	MWD	12272.00	89.70	359.40	94	10977.06	1520.06	1520.00 N	13.62 W	1520.06	359.49	0.77	0.74	0.21
130	MWD	12366.00	91.00	358.50	94	10976.49	1614.06	1613.98 N	15.34 W	1614.06	359.46	1.68	1.38	-0.96
131	MWD	12460.00	91.80	358.00	94	10974.19	1708.01	1707.91 N	18.21 W	1708.01	359.39	1.00	0.85	-0.53
132	MWD	12555.00	91.30	359.20	95	10971.62	1802.96	1802.85 N	20.53 W	1802.96	359.35	1.37	-0.53	1.26
133	MWD	12649.00	90.60	359.40	94	10970.07	1896.95	1896.82 N	21.68 W	1896.95	359.35	0.77	-0.74	0.21
134	MWD	12743.00	91.50	358.50	94	10968.34	1990.92	1990.79 N	23.40 W	1990.93	359.33	1.35	0.96	-0.96
135	MWD	12837.00	89.90	359.40	94	10967.19	2084.91	2084.76 N	25.12 W	2084.92	359.31	1.95	-1.70	0.96
136	MWD	12930.00	90.60	359.60	93	10966.79	2177.91	2177.76 N	25.93 W	2177.91	359.32	0.78	0.75	0.22
137	MWD	13025.00	89.20	359.60	95	10966.95	2272.90	2272.75 N	26.60 W	2272.91	359.33	1.47	-1.47	0.00
138	MWD	13119.00	89.70	357.80	94	10967.86	2366.89	2366.72 N	28.73 W	2366.90	359.30	1.99	0.53	-1.91
139	MWD	13213.00	88.90	359.90	94	10969.01	2460.87	2460.69 N	30.62 W	2460.88	359.29	2.39	-0.85	2.23
140	MWD	13307.00	89.20	359.90	94	10970.56	2554.85	2554.68 N	30.78 W	2554.86	359.31	0.32	0.32	0.00
141	MWD	13402.00	89.40	358.40	95	10971.72	2649.84	2649.66 N	32.19 W	2649.85	359.30	1.59	0.21	-1.58
142	MWD	13494.00	89.90	358.50	92	10972.29	2741.83	2741.62 N	34.68 W	2741.84	359.28	0.55	0.54	0.11
143	MWD	13588.00	91.00	359.10	94	10971.55	2835.82	2835.60 N	36.65 W	2835.83	359.26	1.33	1.17	0.64
144	MWD	13682.00	89.40	359.20	94	10971.22	2929.81	2929.58 N	38.04 W	2929.83	359.26	1.71	-1.70	0.11

Job Number:	DM-2016-046-ENDT-NM
Vertical Section Plane:	359.45
Well API Number:	30-025-43090
Tie Into:	VES

[illegible]



State of New Mexico

County of Lea

I, Paul Miller, certify that I am employed by DrilTech MWD Rentals, LLC. I did on the day(s) of 9/13/16 through 10/01/16 conduct or supervise the taking of the 165 survey(s) from a measured depth of 965 feet to a measured depth of 15,552 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 this/these survey(s) was/were conducted at the request of Endurance Resources, LLC for the Duo Sonic 29 Federal #4H, API No. 30-025-43090 in Lea County, New Mexico. I have reviewed this report, and find that it conforms to the principles and procedures as set forth by DrilTech MWD Rentals, LLC.

SIGNATURE

DATE

11/10/16



DrilTech, LLC

MWD Survey Report

Job No: DM-2016-046-ENDT-N

Operator: **Endurance Resources, LLC**
Well Name: **Duo Sonic 29 Federal #4H**
Location: **Lea County, New Mexico**
Rig: **NorAm 23**
Directional Drilling Co: **DrilTech, LLC**
Well API #: **30-025-43090**
Tie Into: **VES**
Tie-In Date: **9/13/2016**
Date Completed: **10/1/2016**

Reference Coordinates: LAT:

32	°	5	'	40.2410	"	N
103	°	22	'	59.2820	"	W

LON:
Reference Grid Coordinates: X: **835591.37 (ft)**
Y: **399416.48 (ft)**

Reference Grid: **NAD 83**
Zone: **New Mexico Eastern**
(UTM or Lambert): **Lambert**

Survey Vertical Reference: **28.00 (ft)** Rotary Table to Ground Level
Elevation: **3219.30 (ft)** Ground Level to Mean Sea Level
Vertical Section Plane: **359.45 (deg)**

North Alignment: **Grid North**

<u>Magnetic Data</u>	<u>Section 1</u>	<u>Section 2</u>	<u>Section 3</u>	<u>Section 4</u>
Magnetic Declination (deg)	6.94			
Grid (deg)	0.50			
TOTAL CORRECTION (deg)	6.44			
Depth Start (MD Ft)	965.00			
Depth End (MD Ft)	15552.00			

REMARKS:
