

Cimarex Triste Draw 25 Federal #12H survey final Survey Geodetic Report

(Def Survey)

Report Date: February 02, 2018 - 01:12 PM
 Client: Cimarex
 Field: NM Lea County (NAD 83)
 Structure / Slot: Cimarex Triste Draw 25 Federal #12H / Cimarex Triste Draw 25 Federal #12H
 Well: Cimarex Triste Draw 25 Federal #12H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Cimarex Triste Draw 25 Federal #12H survey final
 Survey Date: January 07, 2018
 Tort / AHD / DDI / ERD Ratio: 210.261 * / 5413.197 ft / 6.212 / 0.550

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 359.590 * (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3714.200 ft above MSL
 Seabed / Ground Elevation: 3690.200 ft above MSL
 Magnetic Declination: 6.851 *
 Total Gravity Field Strength: 998.4367mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48100.411 nT

HOBBS OCD
 FEB 06 2019
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Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 16' 11.98434", W 103° 37' 45.38706"
 Location Grid N/E Y/X: N 462671.290 RUS, E 758947.830 RUS
 CRS Grid Convergence Angle: 0.3759 *
 Grid Scale Factor: 0.99996333
 Version / Patch: 2.10.696.0

Magnetic Dip Angle: 60.024 *
 Declination Date: January 07, 2018
 Magnetic Declination Model: HDGM 2017
 North Reference: Grid North
 Grid Convergence Used: 0.3759 *
 Total Corr Mag North->Grid North: 6.4750 *
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (*/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	462671.29	758947.83	N 32 16 11.98	W 103 37 45.39
Marker MudLine	24.00	0.05	147.33	24.00	-0.01	-0.01	0.01	0.22	462671.28	758947.84	N 32 16 11.98	W 103 37 45.39
	236.00	0.53	147.33	236.00	-0.92	-0.92	0.59	0.22	462670.37	758948.42	N 32 16 11.98	W 103 37 45.38
	295.00	0.42	145.07	294.99	-1.33	-1.33	0.86	0.19	462669.96	758948.69	N 32 16 11.97	W 103 37 45.38
	475.00	0.72	144.62	474.99	-2.80	-2.79	1.89	0.17	462668.50	758949.72	N 32 16 11.96	W 103 37 45.37
	565.00	0.81	179.90	564.98	-3.90	-3.89	2.22	0.52	462667.40	758950.05	N 32 16 11.95	W 103 37 45.36
	654.00	0.70	198.54	653.97	-5.05	-5.03	2.05	0.30	462666.26	758949.88	N 32 16 11.93	W 103 37 45.36
	745.00	0.83	155.33	744.96	-6.17	-6.16	2.15	0.63	462665.13	758949.98	N 32 16 11.92	W 103 37 45.36
	837.00	0.63	161.00	836.96	-7.26	-7.24	2.59	0.23	462664.05	758950.42	N 32 16 11.91	W 103 37 45.36
	931.00	0.80	156.24	930.95	-8.35	-8.33	3.02	0.19	462662.96	758950.85	N 32 16 11.90	W 103 37 45.35
	1025.00	0.82	162.68	1024.94	-9.60	-9.57	3.49	0.10	462661.72	758951.32	N 32 16 11.89	W 103 37 45.35
	1120.00	0.74	158.58	1119.93	-10.82	-10.79	3.91	0.10	462660.50	758951.74	N 32 16 11.88	W 103 37 45.34
	1214.00	0.62	171.73	1213.92	-11.89	-11.86	4.21	0.21	462659.43	758952.04	N 32 16 11.87	W 103 37 45.34
	1357.00	0.63	146.96	1356.92	-13.32	-13.29	4.75	0.19	462658.01	758952.58	N 32 16 11.85	W 103 37 45.33
	1498.00	0.70	308.34	1497.91	-13.43	-13.40	4.50	0.93	462657.89	758952.33	N 32 16 11.85	W 103 37 45.34
	1593.00	0.72	305.24	1592.90	-12.72	-12.70	3.55	0.05	462658.59	758951.38	N 32 16 11.86	W 103 37 45.35
	1687.00	0.83	296.30	1686.90	-12.07	-12.05	2.46	0.17	462659.24	758950.29	N 32 16 11.86	W 103 37 45.36
	1782.00	0.90	312.86	1781.89	-11.25	-11.24	1.30	0.27	462660.05	758949.13	N 32 16 11.87	W 103 37 45.37
	1970.00	0.90	319.94	1969.86	-9.10	-9.11	-0.74	0.06	462662.18	758947.09	N 32 16 11.89	W 103 37 45.40
	2159.00	1.02	320.77	2158.84	-6.65	-6.67	-2.75	0.06	462664.62	758945.08	N 32 16 11.92	W 103 37 45.42
	2253.00	1.06	320.00	2252.82	-5.33	-5.35	-3.84	0.05	462665.94	758943.99	N 32 16 11.93	W 103 37 45.43
	2348.00	1.17	316.59	2347.80	-3.94	-3.98	-5.07	0.14	462667.31	758942.76	N 32 16 11.95	W 103 37 45.45
	2443.00	1.20	320.19	2442.78	-2.46	-2.51	-6.38	0.08	462668.78	758941.45	N 32 16 11.96	W 103 37 45.46
	2537.00	2.16	305.64	2536.74	-0.66	-0.72	-8.45	1.11	462670.57	758939.38	N 32 16 11.98	W 103 37 45.49
	2631.00	4.51	301.76	2630.57	2.35	2.26	-13.03	2.51	462673.55	758934.80	N 32 16 12.01	W 103 37 45.54
	2724.00	6.60	288.99	2723.14	6.07	5.92	-21.19	2.60	462677.21	758926.64	N 32 16 12.04	W 103 37 45.63
	2819.00	8.12	279.42	2817.35	9.03	8.80	-32.98	2.05	462680.09	758914.86	N 32 16 12.07	W 103 37 45.77
	2913.00	10.11	278.20	2910.16	11.40	11.06	-47.69	2.13	462682.35	758900.14	N 32 16 12.10	W 103 37 45.94
	3008.00	9.99	275.52	3003.71	13.50	13.04	-64.15	0.51	462684.33	758883.69	N 32 16 12.12	W 103 37 46.13
	3102.00	9.88	275.06	3096.32	15.10	14.52	-80.14	0.34	462685.81	758867.70	N 32 16 12.13	W 103 37 46.32
	3167.00	9.87	265.18	3189.95	15.23	14.54	-96.21	1.77	462685.63	758851.63	N 32 16 12.13	W 103 37 46.51
	3291.00	9.81	264.25	3282.57	13.87	13.07	-112.20	0.18	462684.36	758835.63	N 32 16 12.12	W 103 37 46.69
	3384.00	9.62	264.06	3374.24	12.38	11.47	-127.81	0.21	462682.76	758820.02	N 32 16 12.11	W 103 37 46.87
	3479.00	9.44	264.27	3467.92	10.89	9.87	-143.46	0.19	462681.16	758804.38	N 32 16 12.09	W 103 37 47.06
	3573.00	9.06	263.25	3560.70	9.36	8.23	-158.48	0.44	462679.52	758789.36	N 32 16 12.08	W 103 37 47.23
	3668.00	8.42	263.10	3654.60	7.75	6.51	-172.81	0.67	462677.80	758775.02	N 32 16 12.06	W 103 37 47.40
	3763.00	8.60	266.70	3748.55	6.61	5.27	-186.81	0.59	462676.56	758761.03	N 32 16 12.05	W 103 37 47.56
	3857.00	8.45	266.49	3841.51	5.88	4.44	-200.72	0.16	462675.73	758747.12	N 32 16 12.04	W 103 37 47.72
	3953.00	8.92	268.25	3936.41	5.32	3.78	-215.20	0.56	462675.07	758732.64	N 32 16 12.04	W 103 37 47.89
	4048.00	8.65	268.85	4030.30	5.06	3.41	-229.70	0.30	462674.70	758718.14	N 32 16 12.03	W 103 37 48.06
	4143.00	8.79	269.00	4124.20	4.89	3.14	-244.10	0.15	462674.43	758703.74	N 32 16 12.03	W 103 37 48.23
	4237.00	8.54	270.17	4217.13	4.89	3.04	-258.26	0.33	462674.33	758689.58	N 32 16 12.03	W 103 37 48.39
	4332.00	8.06	266.99	4311.13	4.66	2.71	-271.97	0.70	462674.00	758675.87	N 32 16 12.03	W 103 37 48.55
	4427.00	9.05	263.59	4405.08	3.57	1.53	-286.04	1.17	462672.82	758661.80	N 32 16 12.02	W 103 37 48.72
	4521.00	8.73	265.16	4497.95	2.25	0.10	-300.50	0.43	462671.39	758647.34	N 32 16 12.00	W 103 37 48.89
	4616.00	8.04	259.06	4591.93	0.48	-1.77	-314.21	1.18	462669.52	758633.64	N 32 16 11.99	W 103 37 49.05
	4711.00	8.13	264.12	4685.99	-1.37	-3.72	-327.41	0.75	462667.57	758620.43	N 32 16 11.97	W 103 37 49.20
	4805.00	7.84	264.43	4779.08	-2.59	-5.02	-340.40	0.31	462666.27	758607.44	N 32 16 11.96	W 103 37 49.35
	4900.00	8.41	270.53	4873.13	-3.05	-5.59	-353.80	1.09	462665.70	758594.04	N 32 16 11.95	W 103 37 49.51
	4923.00	8.27	272.27	4895.88	-2.95	-5.50	-357.13	1.25	462665.79	758590.71	N 32 16 11.95	W 103 37 49.55
	5092.00	8.00	273.66	5063.18	-1.55	-4.27	-381.02	0.20	462667.02	758566.83	N 32 16 11.97	W 103 37 49.82
	5187.00	8.97	278.52	5157.14	0.07	-2.75	-394.94	1.27	462668.54	758552.91	N 32 16 11.98	W 103 37 49.99
	5280.00	10.29	276.46	5248.83	2.19	-0.74	-410.36	1.47	462670.55	758537.48	N 32 16 12.00	W 103 37 50.17
	5375.00	10.88	274.95	5342.21	4.04	0.98	-427.73	0.69	462672.27	758520.12	N 32 16 12.02	W 103 37 50.37
	5469.00	11.29	267.52	5434.46	4.54	1.35	-445.76	1.58	462672.64	758502.09	N 32 16 12.03	W 103 37 50.58
	5564.00	9.72	262.29	5527.87	3.19	-0.13	-463.00	1.93	462671.16	758484.85	N 32 16 12.01	W 103 37 50.78
	5658.00	9.61	262.91	5620.54	1.26	-2.16	-478.65	1.16	462669.13	758469.20	N 32 16 11.99	W 103 37 50.96
	5752.00	8.00	267.36	5713.43	0.10	-3.43	-492.97	1.86	462667.86	758454.88	N 32 16 11.98	W 103 37 51.13
	5847.00	8.53	273.60	5807.44	0.33	-3.29	-506.60	1.10	462668.00	758441.25	N 32 16 11.98	W 103 37 51.29
	5941.00	8.25	271.87	5900.44	1.09	-2.63	-520.30	0.40	462668.66	758427.55	N 32 16 11.99	W 103 37 51.45
	6035.00	8.04	270.12	5993.49	1.42	-2.40	-533.62	0.35	462668.89	758414.23	N 32 16 12.00	W 103 37 51.60
	6130.00	8.85	275.53	6087.46	2.24	-1.68	-547.53	1.19	462669.61	758400.32	N 32 16 12.00	W 103 37 51.76
	6224.00	9.96	274.53	6180.19	3.68	-0.34	-562.84	1.19	462670.95	758385.02	N 32 16 12.02	W 103 37 51.94
	6318.00	10.73	274.68	6272.66	5.16	1.01	-579.66	0.82	462672.30	758368.19	N 32 16 12.03	W 103 37 52.14
	6412.00	10.54	274.49	6365.05	6.67	2.40	-596.95	0.21	462673.69	758350.90	N 32 16 12.05	W 103 37 52.34
	6507.00	10.59	274.26	6458.44	8.12	3.73	-614.32	0.07	462675.02	758333.53	N 32 16 12.06	W 103 37 52.54

Comments	MD	Incl	Azimuth	TVD	VSEC	NS	EW	DLS	Eastings	Northings	Latitude	Longitude
	(m)	(°)	(°)	(m)	(m)	(m)	(m)	(°/100m)	(m)	(m)	(N/S - °)	(E/W - °)
TD, project to bit	14078.00	90.28	359.56	9829.69	4392.54	4385.36	-1018.50	0.00	467056.48	757929.37	N 32 16 55.44	W 103 37 56.92
	14023.00	90.28	359.56	9829.95	4337.54	4330.36	-1018.08	0.67	467001.48	757929.79	N 32 16 54.90	W 103 37 56.91
	13956.00	90.73	359.60	9830.60	4270.54	4263.37	-1017.58	2.54	466934.49	757930.28	N 32 16 54.24	W 103 37 56.91
	13861.00	93.14	359.73	9833.75	4175.60	4168.43	-1017.03	2.72	466839.56	757930.84	N 32 16 53.30	W 103 37 56.91
	13768.00	90.62	359.54	9836.60	4082.66	4075.49	-1016.44	1.98	466746.62	757931.43	N 32 16 52.38	W 103 37 56.91
	13673.00	88.82	358.98	9836.34	3987.67	3980.50	-1015.21	0.30	466651.64	757932.66	N 32 16 51.44	W 103 37 56.91
	13578.00	88.77	359.26	9834.34	3892.69	3885.53	-1013.75	0.94	466556.67	757934.12	N 32 16 50.50	W 103 37 56.90
	13484.00	89.61	359.53	9833.01	3798.70	3791.55	-1012.76	0.96	466462.69	757935.11	N 32 16 49.57	W 103 37 56.90
	13390.00	89.72	359.22	9832.46	3704.71	3697.55	-1012.73	1.72	466368.70	757936.70	N 32 16 48.64	W 103 37 56.90
	13295.00	91.34	359.22	9833.34	3609.72	3602.56	-1013.27	0.78	466277.71	757934.60	N 32 16 47.70	W 103 37 56.91
	13201.00	92.07	359.14	9836.14	3515.77	3508.61	-1013.70	1.82	466179.78	757934.17	N 32 16 46.77	W 103 37 56.93
	13107.00	90.50	359.63	9838.25	3421.80	3414.63	-1013.65	1.86	466085.79	757934.22	N 32 16 45.84	W 103 37 56.93
	13014.00	90.34	357.91	9838.83	3328.81	3321.66	-1011.65	0.69	465992.82	757934.27	N 32 16 44.92	W 103 37 56.92
	12919.00	90.34	358.57	9839.49	3233.84	3226.71	-1008.74	2.88	465897.87	757939.13	N 32 16 43.98	W 103 37 56.86
	12824.00	87.65	358.08	9837.63	3138.89	3131.77	-1005.96	0.36	465802.94	757941.91	N 32 16 43.04	W 103 37 56.86
	12730.00	87.98	358.02	9834.74	3044.89	3037.89	-1002.76	1.38	465709.07	757945.10	N 32 16 42.11	W 103 37 56.82
	12635.00	88.32	358.14	9831.18	2950.06	2942.97	-1000.54	0.68	465614.15	757947.33	N 32 16 41.17	W 103 37 56.82
	12540.00	88.38	359.93	9828.41	2855.10	2848.01	-998.89	1.79	465519.19	757947.88	N 32 16 40.23	W 103 37 56.82
	12445.00	90.06	359.22	9827.15	2760.11	2753.03	-1000.00	0.31	465424.21	757947.87	N 32 16 39.29	W 103 37 56.84
	12350.00	90.22	359.73	9827.38	2665.12	2658.03	-1000.54	0.88	465329.22	757947.33	N 32 16 38.35	W 103 37 56.84
	12255.00	89.44	359.73	9827.10	2571.14	2564.03	-1001.19	0.69	465234.22	757946.88	N 32 16 37.42	W 103 37 56.88
	12160.00	89.72	359.54	9826.41	2477.17	2470.05	-1002.86	0.67	465141.25	757944.68	N 32 16 36.49	W 103 37 56.81
	12065.00	89.10	359.54	9825.70	2383.21	2376.08	-1005.26	1.44	465048.29	757944.61	N 32 16 35.55	W 103 37 56.83
	11970.00	90.00	359.47	9824.70	2289.23	2282.09	-1006.77	0.90	464955.30	757944.17	N 32 16 34.70	W 103 37 56.84
	11875.00	89.44	359.55	9824.24	2195.24	2188.09	-1006.16	0.94	464862.30	757944.17	N 32 16 33.70	W 103 37 56.84
	11780.00	89.33	359.67	9823.25	2101.25	2094.11	-1004.70	3.32	464769.32	757944.44	N 32 16 32.77	W 103 37 56.92
	11685.00	92.24	359.79	9824.52	2007.27	2000.14	-1003.43	2.13	464676.35	757944.44	N 32 16 31.84	W 103 37 56.92
	11590.00	90.28	359.38	9826.95	1913.30	1906.17	-1002.75	0.57	464583.39	757946.30	N 32 16 30.90	W 103 37 56.91
	11504.00	89.78	359.18	9826.64	1819.30	1812.18	-1001.57	1.58	464490.42	757946.30	N 32 16 29.96	W 103 37 56.90
	11411.00	91.18	358.73	9827.42	1726.31	1719.20	-999.88	1.80	464398.42	757947.99	N 32 16 29.06	W 103 37 56.86
	11316.00	89.50	358.42	9827.98	1631.33	1624.23	-997.57	0.86	464298.46	757950.36	N 32 16 28.12	W 103 37 56.86
	11222.00	88.82	358.85	9828.55	1537.35	1530.27	-995.20	1.75	464201.50	757952.59	N 32 16 27.19	W 103 37 56.86
	11128.00	90.45	359.08	9828.00	1443.37	1436.29	-993.58	1.01	464107.53	757954.29	N 32 16 26.26	W 103 37 56.85
	11033.00	89.95	359.80	9827.16	1348.33	1341.30	-992.73	1.88	464012.54	757956.14	N 32 16 25.32	W 103 37 56.85
	10940.00	89.22	359.67	9827.30	1253.38	1246.31	-992.88	0.53	463918.55	757958.49	N 32 16 24.40	W 103 37 56.85
	10846.00	89.72	359.69	9826.43	1161.38	1154.31	-992.43	0.78	463824.56	757960.01	N 32 16 23.47	W 103 37 56.85
	10752.00	89.16	359.57	9825.51	1067.39	1060.32	-991.74	0.82	463731.57	757961.13	N 32 16 22.54	W 103 37 56.87
	10658.00	89.38	359.41	9824.32	969.33	962.33	-990.63	2.33	463637.58	757963.74	N 32 16 21.60	W 103 37 56.90
	10564.00	91.57	359.44	9825.10	872.35	865.35	-994.13	1.67	463543.61	757963.74	N 32 16 20.67	W 103 37 56.92
	10469.00	90.00	359.69	9826.40	778.48	771.37	-994.48	1.78	463449.63	757963.74	N 32 16 19.74	W 103 37 56.92
	10375.00	91.23	359.55	9827.41	680.49	673.38	-995.66	2.48	463355.65	757963.74	N 32 16 18.81	W 103 37 56.92
	10280.00	93.19	358.25	9831.07	588.48	581.38	-995.75	2.74	463261.75	757963.74	N 32 16 17.87	W 103 37 56.92
	10186.00	90.62	358.33	9834.19	501.66	494.56	-991.04	14.22	463167.85	757966.83	N 32 16 16.94	W 103 37 56.88
	10154.00	86.08	358.63	9833.19	429.61	422.51	-989.19	19.08	463073.88	757967.83	N 32 16 16.03	W 103 37 56.88
	10116.00	78.83	358.49	9828.29	432.05	424.98	-989.24	16.11	462980.25	757968.63	N 32 16 15.10	W 103 37 56.87
	10088.00	73.87	358.08	9820.78	394.93	387.83	-988.60	13.78	462886.15	757969.27	N 32 16 14.17	W 103 37 56.87
	10053.00	69.49	359.61	9810.92	371.56	364.50	-988.25	9.39	462793.78	757969.62	N 32 16 13.24	W 103 37 56.87
	10022.00	66.90	359.79	9807.99	332.72	325.72	-988.41	8.66	462700.00	757969.62	N 32 16 12.31	W 103 37 56.87
	9990.00	64.13	359.61	9806.14	313.68	306.61	-988.95	9.86	462606.22	757969.62	N 32 16 11.38	W 103 37 56.89
	9959.00	61.16	359.71	9807.90	279.08	272.08	-988.15	11.19	462512.36	757969.62	N 32 16 10.45	W 103 37 56.89
	9928.00	58.24	358.10	9806.26	252.32	245.32	-988.90	9.94	462418.60	757969.62	N 32 16 9.52	W 103 37 56.88
	9896.00	55.08	357.67	9807.38	225.61	218.61	-988.90	9.94	462324.84	757969.62	N 32 16 8.59	W 103 37 56.88
	9864.00	51.94	357.03	9808.10	199.65	192.65	-988.72	7.93	462230.84	757969.62	N 32 16 7.66	W 103 37 56.85
	9833.00	49.56	356.23	9800.03	175.93	168.93	-988.55	7.89	462136.84	757969.62	N 32 16 6.73	W 103 37 56.85
	9801.00	47.37	357.91	9801.81	152.03	145.03	-988.40	9.24	462042.84	757969.62	N 32 16 5.80	W 103 37 56.84
	9770.00	44.98	357.00	9803.35	129.68	122.68	-988.18	9.67	461948.84	757969.62	N 32 16 4.87	W 103 37 56.84
	9739.00	42.03	356.91	9804.31	108.34	101.34	-988.01	11.63	461854.84	757969.62	N 32 16 3.94	W 103 37 56.84
	9708.00	38.48	359.91	9805.11	88.31	81.31	-987.84	12.89	461760.84	757969.62	N 32 16 3.01	W 103 37 56.84
	9676.00	34.61	357.51	9805.51	69.27	62.27	-988.60	15.52	461666.84	757969.62	N 32 16 2.08	W 103 37 56.84
	9644.00	29.89	358.60	9806.45	50.24	43.24	-989.45	14.74	461572.84	757969.62	N 32 16 1.15	W 103 37 56.83
	9613.00	26.03	359.83	9807.07	31.74	24.74	-989.11	15.95	461478.84	757969.62	N 32 16 0.22	W 103 37 56.83
	9582.00	22.15	359.77	9807.44	12.14	5.14	-989.44	14.81	461384.84	757969.62	N 32 16 0.29	W 103 37 56.83
	9550.00	17.60	359.11	9807.68	21.45	14.45	-989.44	14.17	461290.84	757969.62	N 32 16 0.36	W 103 37 56.83
	9518.00	13.26	359.11	9807.44	6.13	0.13	-989.44	13.66	461196.84	757969.62	N 32 16 0.43	W 103 37 56.83
	9487.00	9.12	359.11	9807.44	3.68	0.68	-989.44	12.98	461102.84	757969.62	N 32 16 0.50	W 103 37 56.83
	9456.00	5.80	359.11	9807.44	1.13	0.13	-989.44	12.30	461008.84	757969.62	N 32 16 0.57	W 103 37 56.83
	9424.00	2.19	359.11	9807.44	0.55	0.55	-989.44	11.62	460914.84	757969.62	N 32 16 0.64	W 103 37 56.83
	9393.00	3.17	359.11	9807.44	0.94	0.94	-989.44	10.94	460820.84	757969.62	N 32 16 0.71	W 103 37 56.83
	9362.00	3.08	359.11	9807.44	1.33	1.33	-989.44	10.26	460726.84	757969.62	N 32 16 0.78	W 103 37 56.83
	9331.00	3.12	359.11	9807.44	1.72	1.72	-989.44	9.58	460632.84	757969.62	N 32 16 0.85	W 103 37 56.83
	9300.00	2.82	359.11	9807.44	2.11	2.11	-989.44	8.90	460538.84	757969.62	N 32 16 0.92	W 103 37 56.83
	9269.00	2.49	359.11	9807.44	2.50	2.50	-989.44	8.22	460444.84	757969.62	N 32 16 0.99	W 103 37 56.83
	9238.00	2.16	359.11	9807.44	2.89	2.89	-989.44	7.54	460350.84	757969.62	N 32 16 1.06	W 103 37 56.83
	9207.00	1.83	359.11	9807.44	3.28	3.28	-989.44	6.86	460256.84	757969.62	N 32 16 1.13	W 103 37 56.83
	9176.00	1.50	359.11	9807.44	3.67	3.67	-989.44	6.18	460162.84	757969.62	N 32 16 1.20	W 103 37 56.83
	9145.00	1.										

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size	Casing Diameter (in)	Survey Tool Type	Borehole / Survey				
	1	0.000	24.000	1/98.425	30.000	30.000	NAL_MWD_IFR1+MS-Depth Only	Original Borehole / Cimarex Triste Draw 25 Federal #12H survey final				
	1	24.000	24.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS-Depth Only	Original Borehole / Cimarex Triste Draw 25 Federal #12H survey final				
	1	24.000	14078.000	Act Stns	30.000	30.000	NAL_MWD_IFR1+MS	Original Borehole / Cimarex Triste Draw 25 Federal #12H survey				

EW (ft) Scale = 1:242.29(ft)