

Results of Directional Survey

API number:	30-025-41150		
OGRID:		Operator:	CIMAREX ENERGY CO.
		Property:	TRISTE DRAW 25 FEDERAL COM # 3H

surface	ULSTR:	N	25	T 23S	R 32E
				380 FSL	1980 FWL

BH Loc	ULSTR:	C	25	T 23S	R 32E
15359	MD	11009.2	TVD	330 FNL	1944 FWL
				4950 FSL	

Top Perf/OH	ULSTR:	N	25	T 23S	R 32E
10775	MD	10749.3	TVD	440 FSL	1983 FWL

Bot Perf/OH	ULSTR:	C	25	T 23S	R 32E
15345	MD	11009.2	TVD	344 FNL	1944 FWL
				4936 FSL	

	MD	N/S	E/W	VD
	10748	43.24	1.96	10727.84
TOP PERFS/OH	10775	59.50	3.35	10749.34
	10779	61.91	3.56	10752.53
	15289	4500.39	-34.47	11009.15
BOT PERFS/OH	15345	4556.37	-36.06	11009.15
	15359	4570.36	-36.46	11009.15

NEXT TO LAST	15289	4500.39	-34.47	11009.15
LAST READING	15359	4570.36	-36.46	11009.15
TD	15359	4570.36	-36.46	11009.15

Surface Location	380	FS	1980	FW
Projected BHL	4950	FS	1944	FW
Location of				
Top Perfs/OH	440	FS	1983	FW
Bottom Perfs/OH	4936	FS	1944	FW

SUMMARY of Subsurface Locations

Surface Location	N-25-23S-32E	380	FS	1980	FW	Vert. Depth
Top Perfs/OH	N-25-23S-32E	440	FS	1983	FW	10749.34
Bottom Perfs/OH	C-25-23S-32E	4936	FS	1944	FW	11009.15
Projected TD	C-25-23S-32E	4950	FS	1944	FW	11009.15

MAY 19 2014

MAY 02 2014



Cimarex Triste Draw 25 Federal #3H ST01 Surveys 0ft - Update Survey Report (Non-Def Survey)

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PATHFINDER
A Schlumberger Company

Report Date: January 13, 2014 - 10:21 AM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cactus 104 / Cimarex Triste Draw 25 Federal #3H
Well: Cimarex Triste Draw 25 Federal #3H
Borehole: ST01 Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Triste Draw 25 Federal #3H ST01 Surveys 0ft - Update
Survey Date: January 05, 2014
Tort / AHD / DDI / ERD Ratio: 143.737 ° / 4750.891 ft / 5.979 / 0.432
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 16' 10.29506", W 103° 37' 49.61673"
Location Grid N/E Y/X: N 462498.200 ftUS, E 758585.800 ftUS
CRS Grid Convergence Angle: 0.3753 °
Grid Scale Factor: 0.99996314

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: Ground level
TVD Reference Elevation: 3708.000 ft above MSL
Seabed / Ground Elevation: 3688.000 ft above MSL
Magnetic Declination: 7.412 °
Total Gravity Field Strength: 998.4632mgn (9.80665 Based)
Total Magnetic Field Strength: 48362.313 nT
Magnetic Dip Angle: 60.142 °
Declination Date: January 05, 2014
Magnetic Declination Model: BGGM 2013
North Reference: Grid North
Grid Convergence Used: 0.3753 °

Total Corr Mag North->Grid North: 7.0365 °

Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
Tie-In to Pilot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	8.66M
	151.00	1.19	8.66	150.99	1.55	1.55	0.24	1.57	8.66	0.79	9.76M
	227.00	1.19	9.76	226.97	3.10	3.11	0.49	3.15	8.94	0.03	12.27M
	320.00	1.01	12.27	319.96	4.85	4.86	0.83	4.93	9.65	0.20	9.15M
	412.00	0.88	9.15	411.94	6.34	6.35	1.11	6.45	9.93	0.15	10.86M
	471.00	0.79	10.86	470.94	7.19	7.20	1.26	7.31	9.93	0.16	9.28M
	597.00	0.48	9.28	596.93	8.56	8.57	1.51	8.70	9.98	0.25	13.98M
	656.00	0.40	13.98	655.93	9.00	9.02	1.60	9.16	10.05	0.15	343.57M
	751.00	0.62	343.57	750.92	9.82	9.83	1.53	9.95	8.86	0.36	331.57M
	846.00	0.40	331.57	845.92	10.61	10.61	1.23	10.69	6.61	0.26	313.55M
	941.00	0.40	313.55	940.92	11.13	11.13	0.83	11.17	4.27	0.13	307.45M
	1036.00	0.22	307.45	1035.92	11.47	11.47	0.45	11.48	2.23	0.19	297.34M
	1131.00	0.09	297.34	1130.92	11.62	11.62	0.24	11.62	1.16	0.14	224.65M
	1252.00	0.22	224.65	1251.92	11.50	11.50	-0.01	11.50	359.94	0.17	288.68M
	1418.86	0.09	288.68	1418.77	11.31	11.31	-0.36	11.32	358.17	0.12	283.36M
	1514.79	0.09	283.36	1514.70	11.36	11.35	-0.51	11.36	357.45	0.01	259.68M
	1609.66	0.22	259.68	1609.57	11.34	11.34	-0.76	11.36	356.18	0.15	265.04M
	1705.12	0.22	265.04	1705.03	11.30	11.29	-1.12	11.34	354.33	0.02	235.07M
	1800.46	0.31	235.07	1800.37	11.14	11.13	-1.51	11.23	352.25	0.17	253.17M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	1896.47	0.31	253.17	1896.38	10.92	10.90	-1.98	11.08	349.73	0.10	257.17M
	1991.66	0.40	257.17	1991.57	10.77	10.75	-2.55	11.05	346.68	0.10	264.47M
	2086.78	0.40	264.47	2086.69	10.67	10.65	-3.20	11.12	343.27	0.05	264.07M
	2181.55	0.48	264.07	2181.45	10.60	10.57	-3.92	11.28	339.64	0.08	258.58M
	2276.74	0.62	258.58	2276.64	10.47	10.43	-4.83	11.49	335.17	0.16	259.77M
	2371.96	0.70	259.77	2371.85	10.27	10.23	-5.90	11.81	330.00	0.09	263.68M
	2467.29	0.79	263.68	2467.18	10.10	10.05	-7.13	12.32	324.65	0.11	260.95M
	2563.08	0.88	260.95	2562.96	9.92	9.86	-8.51	13.03	319.20	0.10	264.07M
	2657.04	1.01	264.07	2656.90	9.73	9.66	-10.05	13.94	313.88	0.15	258.75M
	2751.98	0.88	258.75	2751.83	9.52	9.43	-11.60	14.95	309.13	0.17	258.14M
	2844.73	1.10	258.14	2844.57	9.21	9.11	-13.17	16.01	304.69	0.24	256.38M
	2939.25	1.01	256.38	2939.07	8.84	8.73	-14.86	17.24	300.43	0.10	250.36M
	3034.25	1.10	250.36	3034.05	8.34	8.23	-16.54	18.47	296.45	0.15	249.04M
	3128.60	1.19	249.04	3128.38	7.70	7.57	-18.30	19.81	292.47	0.10	252.16M
	3224.36	1.19	252.16	3224.12	7.06	6.91	-20.18	21.33	288.90	0.07	232.08M
	3318.80	1.01	232.08	3318.55	6.25	6.10	-21.77	22.61	285.65	0.45	179.87M
	3413.01	1.19	179.87	3412.74	4.77	4.61	-22.42	22.89	281.62	1.04	148.14M
	3507.90	1.41	148.14	3507.61	2.79	2.63	-21.80	21.96	276.89	0.78	140.06M
	3602.55	1.01	140.06	3602.24	1.15	1.00	-20.65	20.68	272.78	0.46	142.17M
	3697.33	1.01	142.17	3697.00	-0.16	-0.30	-19.60	19.61	269.14	0.04	140.98M
	3792.84	1.10	140.98	3792.50	-1.54	-1.67	-18.51	18.59	264.84	0.10	137.64M
	3888.35	1.10	137.64	3887.99	-2.94	-3.06	-17.32	17.59	259.97	0.07	137.47M
	3983.54	1.19	137.47	3983.16	-4.35	-4.47	-16.03	16.64	254.43	0.09	136.06M
	4078.39	1.19	136.06	4077.99	-5.80	-5.90	-14.68	15.82	248.11	0.03	136.45M
	4173.23	1.19	136.45	4172.81	-7.23	-7.32	-13.32	15.20	241.20	0.01	131.58M
	4268.74	1.71	131.58	4268.29	-8.91	-8.99	-11.57	14.65	232.16	0.56	129.16M
	4363.55	2.20	129.16	4363.04	-11.01	-11.08	-9.10	14.34	219.41	0.52	104.46M
	4457.05	1.41	104.46	4456.50	-12.45	-12.50	-6.60	14.13	207.83	1.17	71.55M
	4551.57	2.11	71.55	4550.97	-12.21	-12.24	-3.82	12.82	197.34	1.27	76.95M
	4647.60	1.89	76.95	4646.95	-11.32	-11.32	-0.60	11.34	183.04	0.30	120.94M
	4742.76	1.58	120.94	4742.07	-11.65	-11.64	2.05	11.82	170.00	1.40	132.37M
	4837.09	1.58	132.37	4836.36	-13.21	-13.18	4.13	13.82	162.61	0.33	129.56M
	4932.11	1.58	129.56	4931.34	-14.95	-14.90	6.11	16.10	157.72	0.08	131.05M
	4944.00	1.58	131.05	4943.23	-15.16	-15.11	6.36	16.40	157.19	0.35	132.54M
	5104.71	1.71	132.54	5103.87	-18.26	-18.19	9.79	20.66	151.70	0.09	126.35M
	5200.26	1.49	126.35	5199.39	-19.97	-19.89	11.85	23.15	149.22	0.29	91.94M
	5295.35	1.10	91.94	5294.45	-20.75	-20.65	13.75	24.81	146.34	0.90	79.68M
	5471.00	0.62	79.68	5470.08	-20.66	-20.54	16.37	26.27	141.44	0.29	53.35M
	5661.00	0.48	53.35	5660.07	-20.01	-19.88	18.02	26.84	137.81	0.15	84.64M
	5753.00	0.48	84.64	5752.07	-19.75	-19.62	18.72	27.11	136.34	0.28	89.57M
	5848.00	0.48	89.57	5847.07	-19.71	-19.58	19.51	27.64	135.10	0.04	85.17M
	5943.00	0.31	85.17	5942.07	-19.69	-19.55	20.16	28.09	134.12	0.18	124.55M
	6054.00	0.31	124.55	6053.06	-19.84	-19.70	20.71	28.58	133.56	0.19	99.67M
	6148.00	0.22	99.67	6147.06	-20.02	-19.87	21.10	28.98	133.28	0.15	123.75M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	6244.25	0.40	123.75	6243.31	-20.24	-20.09	21.56	29.47	132.98	0.23	103.28M
	6339.95	0.31	103.28	6339.01	-20.49	-20.33	22.09	30.02	132.63	0.16	112.68M
	6435.23	0.40	112.68	6434.29	-20.68	-20.52	22.65	30.56	132.18	0.11	120.37M
	6529.31	0.31	120.37	6528.37	-20.94	-20.78	23.17	31.12	131.88	0.11	87.76M
	6624.26	0.31	87.76	6623.31	-21.06	-20.90	23.65	31.56	131.46	0.18	101.34M
	6719.64	0.40	101.34	6718.69	-21.12	-20.95	24.23	32.03	130.85	0.13	140.67M
	6814.83	0.09	140.67	6813.88	-21.25	-21.07	24.61	32.40	130.58	0.35	93.17M
	6910.62	0.22	93.17	6909.67	-21.32	-21.14	24.84	32.62	130.41	0.18	126.26M
	7004.67	0.31	126.26	7003.72	-21.48	-21.30	25.22	33.01	130.19	0.18	196.57M
	7100.60	0.22	196.57	7099.65	-21.81	-21.63	25.38	33.35	130.44	0.33	243.55M
	7195.13	0.09	243.55	7194.18	-22.02	-21.84	25.26	33.39	130.85	0.18	178.38M
	7290.66	0.09	178.38	7289.71	-22.13	-21.95	25.20	33.42	131.06	0.10	276.16M
	7385.24	0.22	276.16	7384.29	-22.18	-22.00	25.02	33.32	131.33	0.26	240.87M
	7478.91	0.22	240.87	7477.96	-22.25	-22.07	24.68	33.11	131.81	0.14	255.94M
	7573.66	0.22	255.94	7572.71	-22.38	-22.20	24.35	32.95	132.37	0.06	191.08M
	7669.12	0.31	191.08	7668.17	-22.67	-22.50	24.12	32.99	133.01	0.31	155.18M
	7763.67	0.31	155.18	7762.72	-23.16	-22.99	24.18	33.36	133.55	0.20	181.76M
	7857.46	0.40	181.76	7856.50	-23.72	-23.54	24.27	33.82	134.13	0.20	194.15M
	7952.78	0.31	194.15	7951.82	-24.30	-24.13	24.20	34.17	134.91	0.12	202.94M
	8048.45	0.48	202.94	8047.49	-24.92	-24.75	23.98	34.46	135.90	0.19	189.98M
	8141.92	0.40	189.98	8140.96	-25.60	-25.43	23.77	34.81	136.93	0.14	207.56M
	8236.07	0.62	207.56	8235.10	-26.37	-26.20	23.48	35.18	138.14	0.28	209.45M
	8331.97	0.62	209.45	8331.00	-27.28	-27.11	22.98	35.54	139.71	0.02	213.58M
	8427.35	0.79	213.58	8426.37	-28.27	-28.11	22.37	35.92	141.49	0.19	210.55M
	8523.06	0.88	210.55	8522.07	-29.45	-29.29	21.63	36.41	143.56	0.10	202.46M
	8618.13	0.88	202.46	8617.13	-30.75	-30.60	20.98	37.10	145.57	0.13	204.26M
	8713.98	1.01	204.26	8712.97	-32.19	-32.05	20.35	37.96	147.59	0.14	214.94M
	8808.32	1.01	214.94	8807.29	-33.63	-33.49	19.53	38.77	149.75	0.20	332.28M
	8904.06	0.62	332.28	8903.03	-33.85	-33.72	18.81	38.61	150.85	1.47	321.77M
	8999.03	0.70	321.77	8997.99	-32.94	-32.81	18.21	37.52	150.97	0.15	315.58M
	9094.89	0.62	315.58	9093.84	-32.10	-31.98	17.48	36.45	151.33	0.11	292.77M
	9189.86	0.40	292.77	9188.81	-31.60	-31.48	16.82	35.70	151.89	0.31	230.54M
	9285.15	0.79	230.54	9284.10	-31.89	-31.77	16.00	35.58	153.26	0.73	210.55M
	9379.39	1.10	210.55	9378.32	-33.07	-32.97	15.04	36.24	155.47	0.48	204.97M
	9473.89	1.49	204.97	9472.80	-34.96	-34.86	14.06	37.59	158.03	0.43	200.35M
	9568.26	1.49	200.35	9567.14	-37.22	-37.12	13.12	39.37	160.54	0.13	177.76M
	9659.09	1.19	177.76	9657.94	-39.26	-39.17	12.75	41.19	161.98	0.66	173.94M
	9753.45	0.62	173.94	9752.29	-40.75	-40.66	12.84	42.64	162.48	0.61	198.15M
	9848.69	0.88	198.15	9847.52	-41.96	-41.87	12.66	43.74	163.17	0.42	217.45M
	9943.71	1.19	217.45	9942.53	-43.43	-43.34	11.84	44.93	164.73	0.49	285.87M
	10037.62	0.70	285.87	10036.43	-44.04	-43.96	10.69	45.24	166.33	1.21	299.27M
	10132.74	1.01	299.27	10131.54	-43.46	-43.39	9.40	44.40	167.77	0.39	304.37M
	10227.27	0.79	304.37	10226.05	-42.67	-42.62	8.14	43.39	169.19	0.25	289.08M
Last XEM Survey	10322.56	0.79	289.08	10321.33	-42.08	-42.03	6.97	42.61	170.58	0.22	257.98M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	10402.00	0.76	257.98	10400.77	-42.00	-41.96	5.94	42.38	171.94	0.52	249.51M
	10447.00	0.74	249.51	10445.76	-42.16	-42.13	5.38	42.47	172.73	0.25	321.06M
	10495.00	1.41	321.06	10493.76	-41.81	-41.77	4.72	42.04	173.56	2.85	343.04M
	10527.00	6.33	343.04	10525.68	-39.81	-39.78	3.95	39.98	174.33	15.78	346.21M
	10558.00	11.84	346.21	10556.27	-35.07	-35.05	2.70	35.16	175.60	17.84	14.75R
	10590.00	16.61	350.56	10587.29	-27.36	-27.35	1.16	27.37	177.57	15.27	22.51R
	10621.00	21.43	355.93	10616.59	-17.32	-17.32	0.03	17.32	179.89	16.53	22.34R
	10653.00	25.62	359.86	10645.92	-4.56	-4.57	-0.40	4.58	185.00	13.97	18.15R
	10685.00	28.60	1.89	10674.40	10.01	10.01	-0.16	10.01	359.06	9.75	16.85R
	10716.00	31.76	3.70	10701.20	25.57	25.57	0.61	25.58	1.36	10.61	11.44R
	10748.00	35.50	5.00	10727.84	43.22	43.24	1.96	43.28	2.60	11.90	2.01L
	10779.00	38.91	4.81	10752.53	61.89	61.91	3.56	62.01	3.29	11.01	12.61L
	10811.00	42.35	3.67	10776.81	82.65	82.69	5.10	82.85	3.53	11.00	9.77L
	10842.00	45.59	2.89	10799.12	104.13	104.17	6.32	104.37	3.47	10.60	4.67L
	10874.00	48.72	2.55	10820.87	127.55	127.61	7.43	127.82	3.33	9.81	2.41L
	10903.00	51.90	2.38	10839.39	149.84	149.90	8.39	150.13	3.20	10.97	10.56L
	10935.00	54.66	1.75	10858.52	175.46	175.53	9.31	175.78	3.04	8.77	4.3L
	10966.00	57.12	1.53	10875.91	201.11	201.18	10.05	201.44	2.86	7.96	6.22L
	10998.00	59.98	1.17	10892.60	228.39	228.47	10.69	228.72	2.68	8.99	2.58L
	11030.00	62.95	1.02	10907.89	256.49	256.58	11.23	256.82	2.51	9.29	3.16L
	11061.00	65.59	0.86	10921.34	284.41	284.50	11.68	284.74	2.35	8.53	5.71L
	11093.00	68.19	0.58	10933.90	313.83	313.92	12.05	314.16	2.20	8.16	9.06L
	11133.00	71.22	0.07	10947.77	351.34	351.44	12.26	351.65	2.00	7.67	3.5L
	11172.00	74.05	359.89	10959.41	388.56	388.66	12.25	388.85	1.81	7.27	3.68R
	11187.00	74.80	359.94	10963.44	403.01	403.10	12.23	403.29	1.74	5.01	0.43L
	11220.00	77.41	359.92	10971.36	435.04	435.14	12.19	435.31	1.60	7.91	18.57R
	11251.00	78.46	0.28	10977.84	465.35	465.45	12.24	465.61	1.51	3.57	12.28R
	11286.00	81.69	0.99	10983.88	499.82	499.92	12.63	500.08	1.45	9.44	4.81L
	11330.00	84.53	0.75	10989.15	543.48	543.59	13.29	543.76	1.40	6.48	143.57L
	11424.00	84.22	0.52	10998.37	637.02	637.13	14.33	637.30	1.29	0.41	14.03L
	11520.00	89.11	359.30	11003.95	732.82	732.94	14.17	733.08	1.11	5.25	31.78L
	11615.00	90.45	358.47	11004.32	827.81	827.92	12.33	828.01	0.85	1.66	148.57L
	11709.00	90.27	358.36	11003.72	921.79	921.88	9.73	921.93	0.60	0.22	165.17R
	11804.00	89.93	358.45	11003.56	1016.77	1016.84	7.08	1016.87	0.40	0.37	90R
	11900.00	89.93	359.74	11003.68	1112.76	1112.83	5.56	1112.84	0.29	1.34	82.55R
	11994.00	90.07	0.81	11003.68	1206.75	1206.83	6.02	1206.84	0.29	1.15	137.12L
	12090.00	89.93	0.68	11003.68	1302.73	1302.82	7.26	1302.84	0.32	0.20	107.65L
	12185.00	89.79	0.24	11003.91	1397.72	1397.82	8.03	1397.84	0.33	0.49	90L
	12280.00	89.79	0.15	11004.26	1492.72	1492.81	8.35	1492.84	0.32	0.09	68.82L
	12376.00	90.10	359.35	11004.35	1588.71	1588.81	7.93	1588.83	0.29	0.89	157.17R
	12471.00	89.72	359.51	11004.50	1683.71	1683.81	6.99	1683.82	0.24	0.43	98.53L
	12566.00	89.69	359.31	11004.99	1778.71	1778.81	6.01	1778.81	0.19	0.21	4.51R
	12661.00	90.07	359.34	11005.19	1873.71	1873.79	4.89	1873.80	0.15	0.40	90L
	12756.00	90.07	358.87	11005.07	1968.71	1968.78	3.40	1968.79	0.10	0.49	158.55L

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	12852.00	89.79	358.76	11005.19	2064.70	2064.76	1.42	2064.76	0.04	0.31	35.54L
	12946.00	89.93	358.66	11005.42	2158.69	2158.74	-0.70	2158.74	359.98	0.18	102.93L
	13042.00	89.79	358.05	11005.65	2254.66	2254.70	-3.45	2254.70	359.91	0.65	82.88L
	13137.00	89.83	357.73	11005.97	2349.62	2349.63	-6.95	2349.64	359.83	0.34	76.29L
	13232.00	89.93	357.32	11006.17	2444.56	2444.54	-11.05	2444.57	359.74	0.44	73.66R
	13327.00	90.10	357.90	11006.14	2539.50	2539.46	-15.01	2539.50	359.66	0.64	158.96L
	13422.00	89.97	357.85	11006.08	2634.46	2634.39	-18.54	2634.46	359.60	0.15	79.99R
	13516.00	90.00	358.02	11006.11	2728.42	2728.33	-21.92	2728.42	359.54	0.18	74.74R
	13611.00	90.03	358.13	11006.08	2823.39	2823.28	-25.12	2823.39	359.49	0.12	113.55R
	13707.00	89.86	358.52	11006.17	2919.36	2919.24	-27.92	2919.37	359.45	0.44	90R
	13802.00	89.86	359.39	11006.41	3014.36	3014.22	-29.65	3014.37	359.44	0.92	86.31R
	13897.00	89.90	0.01	11006.61	3109.36	3109.22	-30.15	3109.37	359.44	0.65	82.93R
	13991.00	90.07	1.38	11006.63	3203.34	3203.21	-29.01	3203.34	359.48	1.47	90R
	14086.00	90.07	2.57	11006.51	3298.25	3298.15	-25.74	3298.25	359.55	1.25	109.44R
	14181.00	89.83	3.25	11006.60	3393.09	3393.03	-20.91	3393.09	359.65	0.76	93.69L
	14277.00	89.79	2.63	11006.92	3488.93	3488.90	-15.99	3488.94	359.74	0.65	90L
	14371.00	89.79	1.78	11007.26	3582.83	3582.83	-12.37	3582.85	359.80	0.90	88.21L
	14467.00	89.83	0.50	11007.58	3678.79	3678.81	-10.46	3678.82	359.84	1.33	92.05L
	14561.00	89.79	359.38	11007.89	3772.79	3772.81	-10.56	3772.82	359.84	1.19	90L
	14656.00	89.79	358.62	11008.24	3867.78	3867.79	-12.22	3867.81	359.82	0.80	80.54L
	14751.00	89.86	358.20	11008.53	3962.76	3962.75	-14.86	3962.78	359.79	0.45	36.87L
	14845.00	90.10	358.02	11008.56	4056.73	4056.70	-17.96	4056.74	359.75	0.32	174.29R
	14941.00	90.00	358.03	11008.48	4152.69	4152.65	-21.26	4152.70	359.71	0.10	122.32L
	15036.00	89.69	357.54	11008.73	4247.64	4247.57	-24.94	4247.65	359.66	0.61	4.76R
	15132.00	89.93	357.56	11009.05	4343.58	4343.49	-29.04	4343.58	359.62	0.25	86.12R
	15226.00	89.97	358.15	11009.13	4437.54	4437.42	-32.56	4437.54	359.58	0.63	82.23R
Final Survey	15289.00	90.00	358.37	11009.15	4500.52	4500.39	-34.47	4500.52	359.56	0.35	HS
Projection to TD	15359.00	90.00	358.37	11009.15	4570.51	4570.36	-36.46	4570.51	359.54	0.00	

Survey Type: Non-Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	20.000	Act Stns	30.000	30.000	SLB_MWD-POOR-Depth Only	ST01 Borehole / Cimarex Triste Draw 25 Federal #3H ST01
	20.000	10322.560	Act Stns	30.000	30.000	SLB_MWD-POOR	ST01 Borehole / Cimarex Triste Draw 25 Federal #3H ST01
	10322.560	15359.000	Act Stns	30.000	30.000	SLB_MWD-STD	ST01 Borehole / Cimarex Triste Draw 25 Federal #3H ST01