

Results of Directional Survey

API number:	30-025-40791		
OGRID:		Operator:	CIMAREX ENERGY CO. OF COLORADO
		Property:	DOS EQUIS 12 FEDERAL # 2H

surface	ULSTR:	B	12	T 24S	R 32E
				330 FNL	1980 FEL

BH Loc	ULSTR:	O	12	T 24S	R 32E
15399	MD	11026.7	TVD	345 FSL	1923 FEL
				4935 FNL	

Top Perf/OH	ULSTR:	B	12	T 24S	R 32E
10712	MD	10705.0	TVD	392 FNL	2060 FEL

Bot Perf/OH	ULSTR:	O	12	T 24S	R 32E
15398	MD	11026.8	TVD	344 FSL	1923 FEL
				4934 FNL	

	MD	N/S	E/W	VD
	10700	-57.66	-77.37	10694.03
TOP PERFS/OH	10712	-61.99	-79.74	10704.97
	10732	-69.20	-83.68	10723.20
	15313	-4519.00	55.34	11027.73
BOT PERFS/OH	15398	-4603.97	57.29	11026.75
	15399	-4604.97	57.31	11026.74

NEXT TO LAST	15313	-4519.00	55.34	11027.73
LAST READING	15399	-4604.97	57.31	11026.74
TD	15399	-4604.97	57.31	11026.74

Surface Location	330	FN	1980	FE
Projected BHL	4935	FN	1923	FE
Location of				
Top Perfs/OH	392	FN	2060	FE
Bottom Perfs/OH	4934	FN	1923	FE

SUMMARY of Subsurface Locations

Surface Location	B-12-24S-32E	330	FN	1980	FE	Vert. Depth
Top Perfs/OH	B-12-24S-32E	392	FN	2060	FE	10704.97
Bottom Perfs/OH	O-12-24S-32E	4934	FN	1923	FE	11026.75
Projected TD	O-12-24S-32E	4935	FN	1923	FE	11026.74

AUG 29 2013



Cimarex Dos Equis 12 Fed Com #2H Pilot Gyro+MWD 0ft to 12650ft (Def Survey)



Report Date: January 26, 2013 - 09:28 AM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cactus 110 / Cimarex Dos Equis 12 Federal Com #2H
Well: Cimarex Dos Equis 12 Federal Com #2H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Dos Equis 12 Fed Com #2H Pilot Gyro+MWD 0ft to 12650ft
Survey Date: December 19, 2012
Tort / AHD / DDI / ERD Ratio: 35.000 ° / 227.962 ft / 3.902 / 0.018
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 14' 18.91516", W 103° 37' 34.20451"
Location Grid N/E Y/X: N 451251.500 ftUS, E 759983.200 ftUS
CRS Grid Convergence Angle: 0.3772 °
Grid Scale Factor: 0.99996384

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.660 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3625.000 ft above MSL
Seabed / Ground Elevation: 3605.000 ft above MSL
Magnetic Declination: 7.529 °
Total Gravity Field Strength: 998.4686mgn (9.80665 Based)
Total Magnetic Field Strength: 48450.680 nT
Magnetic Dip Angle: 60.113 °
Declination Date: December 19, 2012
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.3772 °
Total Corr Mag North->Grid North: 7.1518 °
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 (°)
SHL Dos Equis 12 Federal Com #2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	234.7M
	913.00	0.44	234.70	912.99	2.01	-2.03	-2.86	3.51	234.70	0.05	234.49M
	1008.00	0.44	234.49	1007.99	2.43	-2.45	-3.46	4.24	234.68	0.00	234.8M
	1105.00	0.43	234.80	1104.99	2.85	-2.87	-4.06	4.97	234.68	0.01	234.67M
	1198.00	0.43	234.67	1197.98	3.25	-3.28	-4.63	5.67	234.68	0.00	231.85M
	1289.00	0.81	231.85	1288.98	3.84	-3.87	-5.41	6.65	234.41	0.42	227.91M
	1357.00	0.94	227.91	1356.97	4.51	-4.54	-6.20	7.69	233.78	0.21	167.36M
	1676.00	0.58	167.36	1675.95	7.83	-7.87	-7.79	11.08	224.70	0.26	136.83M
	1771.00	0.32	136.83	1770.94	8.49	-8.54	-7.50	11.37	221.32	0.36	278.58M
	1866.00	0.35	278.58	1865.94	8.64	-8.69	-7.61	11.55	221.22	0.67	32.69M
	1962.00	0.15	32.69	1961.94	8.49	-8.54	-7.83	11.58	222.54	0.45	353.39M
	2058.00	0.24	353.39	2057.94	8.18	-8.23	-7.79	11.33	223.41	0.16	314.7M
	2153.00	0.20	314.70	2152.94	7.87	-7.92	-7.93	11.20	225.04	0.16	228.93M
	2249.00	0.37	228.93	2248.94	7.95	-8.00	-8.28	11.52	225.98	0.42	184.81M
	2344.00	0.38	184.81	2343.94	8.47	-8.52	-8.54	12.06	225.07	0.30	132.06M
	2434.00	0.43	132.06	2433.94	8.99	-9.04	-8.31	12.28	222.80	0.40	89.56M
	2534.00	0.40	89.56	2533.93	9.24	-9.29	-7.68	12.06	219.60	0.30	26.66M
	2630.00	0.44	26.66	2629.93	8.91	-8.96	-7.18	11.48	218.73	0.46	351.37M
	2725.00	0.61	351.37	2724.93	8.09	-8.13	-7.10	10.79	221.11	0.38	319.06M
	2820.00	0.77	319.06	2819.92	7.10	-7.15	-7.59	10.43	226.71	0.44	297.86M
	2916.00	0.81	297.86	2915.91	6.29	-6.35	-8.61	10.70	233.62	0.31	279.33M
	3011.00	0.78	279.33	3010.90	5.87	-5.93	-9.85	11.49	238.95	0.27	254.31M
	3106.00	0.72	254.31	3105.89	5.92	-5.98	-11.06	12.57	241.58	0.35	224.56M
	3202.00	0.61	224.56	3201.89	6.44	-6.51	-12.00	13.65	241.51	0.37	190.91M
	3297.00	0.56	190.91	3296.88	7.25	-7.33	-12.44	14.44	239.50	0.36	144.61M
	3391.00	0.44	144.61	3390.88	8.00	-8.07	-12.32	14.73	236.76	0.43	85.4M
	3486.00	0.49	85.40	3485.88	8.27	-8.34	-11.70	14.37	234.53	0.49	68.97M
	3582.00	0.48	68.97	3581.87	8.09	-8.16	-10.92	13.63	233.23	0.14	51.26M
	3677.00	0.40	51.26	3676.87	7.75	-7.81	-10.29	12.92	232.80	0.17	39.46M
	3773.00	0.41	39.46	3772.87	7.28	-7.33	-9.81	12.25	233.21	0.09	39.19M
	3868.00	0.39	39.19	3867.87	6.77	-6.82	-9.39	11.60	234.00	0.02	38.57M
	3964.00	0.33	38.57	3963.87	6.30	-6.35	-9.01	11.02	234.81	0.06	54.88M
	4059.00	0.28	54.88	4058.86	5.95	-6.00	-8.65	10.53	235.23	0.10	91.25M
	4154.00	0.32	91.25	4153.86	5.83	-5.88	-8.19	10.08	234.35	0.20	92.86M
	4248.00	0.95	92.86	4247.86	5.88	-5.92	-7.15	9.29	230.38	0.67	93.55M
	4343.00	1.54	93.55	4342.83	6.01	-6.04	-5.09	7.90	220.13	0.62	67.49M
	4439.00	1.32	67.49	4438.80	5.68	-5.70	-2.78	6.34	206.03	0.71	56.04M
	4535.00	1.38	56.04	4534.78	4.62	-4.63	-0.80	4.70	189.83	0.29	53.33M
	4631.00	1.56	53.33	4630.75	3.21	-3.20	1.21	3.42	159.37	0.20	42.2M
	4726.00	1.47	42.20	4725.71	1.54	-1.53	3.06	3.42	116.50	0.32	27.46M
	4820.00	1.23	27.46	4819.69	-0.24	0.26	4.34	4.34	86.54	0.45	8.38M
Last Gyro Survey	4915.00	0.94	8.38	4914.67	-1.91	1.94	4.92	5.29	68.50	0.48	340.67M
	4951.00	0.70	340.67	4950.67	-2.41	2.44	4.89	5.46	63.50	1.27	326.65M
	5046.00	0.70	326.65	5045.66	-3.44	3.47	4.38	5.59	51.60	0.18	330.87M
	5142.00	0.62	330.87	5141.65	-4.39	4.41	3.80	5.83	40.75	0.10	321.95M
	5237.00	0.70	321.95	5236.65	-5.30	5.32	3.20	6.21	30.99	0.14	326.87M
	5333.00	0.70	326.87	5332.64	-6.26	6.27	2.51	6.76	21.84	0.06	322.87M
	5428.00	0.88	322.87	5427.63	-7.33	7.34	1.76	7.55	13.46	0.20	326.17M
	5523.00	0.79	326.17	5522.62	-8.46	8.47	0.95	8.52	6.41	0.11	317.16M
	5619.00	0.88	317.16	5618.61	-9.56	9.56	0.08	9.56	0.49	0.17	323.97M
	5714.00	0.88	323.97	5713.60	-10.69	10.68	-0.84	10.71	355.48	0.11	326.26M
	5810.00	0.79	326.26	5809.59	-11.84	11.83	-1.64	11.94	352.08	0.10	323.49M
	5906.00	1.01	323.49	5905.58	-13.07	13.06	-2.52	13.30	349.10	0.23	321.95M
	5999.00	0.88	321.95	5998.57	-14.30	14.28	-3.44	14.69	346.44	0.14	322.17M
	6095.00	0.88	322.17	6094.55	-15.47	15.44	-4.35	16.04	344.27	0.00	322.87M
	6190.00	0.79	322.87	6189.54	-16.57	16.54	-5.19	17.34	342.57	0.10	317.69M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (%/100ft)	TF (°)
	6286.00	0.70	317.69	6285.54	-17.54	17.50	-5.99	18.50	341.11	0.12	321.38M
	6380.00	0.88	321.38	6379.53	-18.53	18.49	-6.82	19.71	339.74	0.20	312.85M
	6476.00	0.70	312.85	6475.52	-19.51	19.46	-7.71	20.94	338.38	0.22	318.87M
	6571.00	0.70	318.87	6570.51	-20.35	20.30	-8.52	22.01	337.23	0.08	323.58M
	6667.00	0.62	323.58	6666.50	-21.21	21.16	-9.22	23.08	336.46	0.10	321.07M
	6762.00	0.62	321.07	6761.50	-22.03	21.97	-9.84	24.07	335.87	0.03	305.95M
	6858.00	0.62	305.95	6857.49	-22.74	22.68	-10.59	25.03	334.97	0.17	315.67M
	6953.00	0.48	315.67	6952.49	-23.33	23.27	-11.28	25.86	334.12	0.18	325.47M
	7049.00	0.40	325.47	7048.49	-23.90	23.83	-11.76	26.57	333.74	0.11	320.59M
	7145.00	0.40	320.59	7144.48	-24.44	24.36	-12.16	27.23	333.48	0.04	134.08M
	7240.00	0.88	134.08	7239.48	-24.18	24.11	-11.84	26.86	333.84	1.35	146.08M
	7335.00	0.70	146.08	7334.47	-23.19	23.12	-11.00	25.61	334.57	0.26	146.48M
	7431.00	0.70	146.48	7430.46	-22.21	22.15	-10.35	24.45	334.96	0.01	147.18M
	7526.00	0.79	147.18	7525.46	-21.17	21.11	-9.67	23.22	335.39	0.10	148.37M
	7622.00	0.88	148.37	7621.45	-19.98	19.93	-8.92	21.84	335.88	0.10	157.99M
	7717.00	1.10	157.99	7716.43	-18.51	18.46	-8.20	20.20	336.05	0.29	159.35M
	7812.00	1.01	159.35	7811.42	-16.88	16.83	-7.56	18.46	335.81	0.10	164.45M
	7908.00	1.19	164.45	7907.40	-15.12	15.08	-7.00	16.63	335.11	0.21	168.89M
	8004.00	1.01	168.89	8003.38	-13.33	13.29	-6.57	14.83	333.71	0.21	172.45M
	8099.00	1.01	172.45	8098.37	-11.68	11.64	-6.30	13.23	331.59	0.07	182.69M
	8195.00	1.19	182.69	8194.35	-9.84	9.81	-6.23	11.62	327.56	0.28	190.86M
	8290.00	1.10	190.86	8289.33	-7.96	7.92	-6.45	10.22	320.86	0.20	187.17M
	8385.00	1.32	187.17	8384.31	-5.98	5.94	-6.76	9.00	311.33	0.25	192.09M
	8481.00	1.32	192.09	8480.28	-3.81	3.77	-7.13	8.06	297.84	0.12	197.85M
	8577.00	1.41	197.85	8576.26	-1.61	1.56	-7.72	7.88	281.42	0.17	196.88M
	8672.00	1.32	196.88	8671.23	0.55	-0.60	-8.40	8.42	265.91	0.10	202.38M
	8768.00	1.32	202.38	8767.20	2.63	-2.68	-9.14	9.52	253.65	0.13	214.37M
	8863.00	1.32	214.37	8862.18	4.54	-4.60	-10.17	11.16	245.69	0.29	217.76M
	8958.00	1.19	217.76	8957.15	6.21	-6.28	-11.40	13.01	241.15	0.16	228.63M
	9054.00	1.41	228.63	9053.13	7.77	-7.85	-12.89	15.09	238.67	0.34	232.08M
	9150.00	1.32	232.08	9149.10	9.22	-9.31	-14.65	17.36	237.57	0.13	226.76M
	9246.00	1.32	226.76	9245.08	10.65	-10.74	-16.33	19.55	236.66	0.13	234.67M
	9341.00	1.80	234.67	9340.04	12.25	-12.36	-18.34	22.12	236.03	0.55	234.59M
	9435.00	1.80	234.59	9434.00	13.94	-14.07	-20.75	25.07	235.87	0.00	243.55M
	9531.00	1.58	243.55	9529.95	15.39	-15.53	-23.17	27.89	236.16	0.36	244.08M
	9627.00	1.41	244.08	9625.92	16.48	-16.64	-25.41	30.37	236.79	0.18	261.26M
	9722.00	2.11	261.26	9720.88	17.24	-17.41	-28.19	33.14	238.30	0.91	258.05M
	9817.00	3.12	258.05	9815.78	18.02	-18.21	-32.45	37.21	240.70	1.07	247.07M
	9912.00	2.02	247.07	9910.68	19.18	-19.40	-36.52	41.35	242.02	1.26	239.07M
	10009.00	2.29	239.07	10007.61	20.83	-21.06	-39.76	44.99	242.09	0.42	237.66M
	10105.00	2.29	237.66	10103.54	22.82	-23.07	-43.02	48.82	241.79	0.06	243.86M
	10200.00	2.42	243.86	10198.45	24.70	-24.97	-46.43	52.72	241.72	0.30	247.86M
	10295.00	2.50	247.86	10293.37	26.34	-26.64	-50.15	56.78	242.02	0.20	252.47M
	10391.00	2.20	252.47	10389.29	27.66	-27.98	-53.84	60.68	242.54	0.37	261.26M
	10486.00	2.11	261.26	10484.22	28.46	-28.80	-57.31	64.14	243.32	0.36	265.57M
	10581.00	2.11	265.57	10579.16	28.84	-29.20	-60.78	67.43	244.34	0.17	270.27M
	10677.00	2.42	270.27	10675.08	28.94	-29.32	-64.57	70.92	245.58	0.38	293.39M
	10772.00	1.49	293.39	10770.03	28.42	-28.82	-67.71	73.59	246.94	1.26	297.65M
	10868.00	1.49	297.65	10865.99	27.33	-27.75	-69.96	75.27	248.36	0.12	278.36M
	10964.00	1.41	278.36	10961.96	26.57	-27.00	-72.24	77.12	249.51	0.51	256.47M
	11060.00	1.01	256.47	11057.94	26.58	-27.03	-74.23	79.00	249.99	0.63	248.47M
	11153.00	0.88	248.47	11150.93	27.03	-27.48	-75.69	80.52	250.05	0.20	244.08M
	11249.00	0.79	244.08	11246.92	27.58	-28.04	-76.97	81.92	249.98	0.11	269.57M
	11344.00	0.88	269.57	11341.91	27.87	-28.33	-78.29	83.26	250.11	0.40	263.15M
	11438.00	1.10	263.15	11435.90	27.97	-28.44	-79.91	84.82	250.41	0.26	256.69M
	11533.00	1.19	256.69	11530.88	28.29	-28.78	-81.77	86.69	250.61	0.17	265.57M
	11628.00	1.49	265.57	11625.85	28.60	-29.10	-83.96	88.86	250.88	0.38	267.06M
	11723.00	1.32	267.06	11720.82	28.74	-29.25	-86.29	91.11	251.27	0.18	257.66M
	11820.00	1.41	257.66	11817.79	29.04	-29.57	-88.57	93.37	251.54	0.25	254.58M
	11914.00	1.80	254.58	11911.76	29.66	-30.21	-91.12	96.00	251.66	0.42	257.93M
	12009.00	2.68	257.93	12006.68	30.50	-31.07	-94.73	99.70	251.84	0.94	250.98M
	12105.00	3.12	250.98	12102.56	31.80	-32.39	-99.40	104.54	251.95	0.59	261.96M
	12200.00	2.50	261.96	12197.45	32.90	-33.52	-103.89	109.17	252.12	0.86	261.26M
	12296.00	2.50	261.26	12293.36	33.49	-34.13	-108.04	113.30	252.47	0.03	247.29M
	12392.00	2.59	247.29	12389.26	34.62	-35.29	-112.11	117.53	252.53	0.65	248.08M
	12488.00	2.50	248.08	12485.17	36.22	-36.91	-116.05	121.78	252.36	0.10	251.99M
	12583.00	2.29	251.99	12580.08	37.55	-38.27	-119.78	125.74	252.28	0.28	251.99M
	12650.00	2.29	251.99	12647.03	38.37	-39.09	-122.32	128.42	252.28	0.00	

Survey Type: 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 Sins	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	20.000	913.000	1/98.425	30.000	30.000	SLB_NSG+MSHOT	Gyro+MWD 0ft to 12650ft Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	913.000		1357.000		Act Sins	30.000	30.000	SLB_NSG+MSHOT		Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot	
	1357.000		1676.000		1/98.425	30.000	30.000	SLB_NSG+MSHOT		Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot	
	1676.000		4915.000		Act Sins	30.000	30.000	SLB_NSG+MSHOT		Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot	
	4915.000		12583.000		Act Sins	30.000	30.000	SLB_MWD-STD		Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot	
	12583.000		12650.000		Act Sins	30.000	30.000	SLB_BLIND+TREND		Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot	



Cimarex Dos Equis 12 Federal Com #2H ST01 Gyro+MWD 10486ft to 13433ft MD (Def Survey)



Report Date: January 26, 2013 - 09:27 AM
Client: Cimarex
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Dos Equis 12 Federal Com #2H / Cimarex Dos Equis 12 Federal Com #2H
Well: Cimarex Dos Equis 12 Federal Com #2H
Borehole: ST01
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Dos Equis 12 Federal Com #2H ST01 Gyro+MWD 10486ft to 13433ft MD
Survey Date: January 01, 2013
Tort / AHD / DDI / ERD Ratio: 151.231 ° / 2803.419 ft / 5.712 / 0.254
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32°14' 18.91516", W 103°37' 34.20451"
Location Grid N/E Y/X: N 451251.500 ftUS, E 759983.200 ftUS
CRS Grid Convergence Angle: 0.3772 °
Grid Scale Factor: 0.99996384

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.660 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3625.000 ft above MSL
Seabed / Ground Elevation: 3605.000 ft above MSL
Magnetic Declination: 7.525 °
Total Gravity Field Strength: 998.4686mgn (9.80665 Based)
Total Magnetic Field Strength: 48446.206 nT
Magnetic Dip Angle: 60.112 °
Declination Date: January 01, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.3772 °
Total Corr Mag North->Grid North: 7.1477 °
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 (°)
SHL Dos Equis 12 Federal Com #2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	234.7M
	913.00	0.44	234.70	912.99	2.01	-2.03	-2.86	3.51	234.70	0.05	234.49M
	1008.00	0.44	234.49	1007.99	2.43	-2.45	-3.46	4.24	234.68	0.00	234.8M
	1105.00	0.43	234.80	1104.99	2.85	-2.87	-4.06	4.97	234.68	0.01	234.67M
	1198.00	0.43	234.67	1197.98	3.25	-3.28	-4.63	5.67	234.68	0.00	231.85M
	1289.00	0.81	231.85	1288.98	3.84	-3.87	-5.41	6.65	234.41	0.42	227.91M
	1357.00	0.94	227.91	1356.97	4.51	-4.54	-6.20	7.69	233.78	0.21	167.36M
	1676.00	0.58	167.36	1675.95	7.83	-7.87	-7.79	11.08	224.70	0.26	136.83M
	1771.00	0.32	136.83	1770.94	8.49	-8.54	-7.50	11.37	221.32	0.36	278.58M
	1866.00	0.35	278.58	1865.94	8.64	-8.69	-7.61	11.55	221.22	0.67	32.69M
	1962.00	0.15	32.69	1961.94	8.49	-8.54	-7.83	11.58	222.54	0.45	353.39M
	2058.00	0.24	353.39	2057.94	8.18	-8.23	-7.79	11.33	223.41	0.16	314.7M
	2153.00	0.20	314.70	2152.94	7.87	-7.92	-7.93	11.20	225.04	0.16	228.93M
	2249.00	0.37	228.93	2248.94	7.95	-8.00	-8.28	11.52	225.98	0.42	184.81M
	2344.00	0.38	184.81	2343.94	8.47	-8.52	-8.54	12.06	225.07	0.30	132.06M
	2434.00	0.43	132.06	2433.94	8.99	-9.04	-8.31	12.28	222.60	0.40	89.56M
	2534.00	0.40	89.56	2533.93	9.24	-9.29	-7.68	12.06	219.60	0.30	26.66M
	2630.00	0.44	26.66	2629.93	8.91	-8.96	-7.18	11.48	218.73	0.46	351.37M
	2725.00	0.61	351.37	2724.93	8.09	-8.13	-7.10	10.79	221.11	0.38	319.06M
	2820.00	0.77	319.06	2819.92	7.10	-7.15	-7.59	10.43	226.71	0.44	297.86M
	2916.00	0.81	297.86	2915.91	6.29	-6.35	-8.61	10.70	233.62	0.31	279.33M
	3011.00	0.78	279.33	3010.90	5.87	-5.93	-9.85	11.49	238.95	0.27	254.31M
	3106.00	0.72	254.31	3105.89	5.92	-5.98	-11.06	12.57	241.58	0.35	224.56M
	3202.00	0.61	224.56	3201.89	6.44	-6.51	-12.00	13.65	241.51	0.37	190.91M
	3297.00	0.56	190.91	3296.88	7.25	-7.33	-12.44	14.44	239.50	0.36	144.61M
	3391.00	0.44	144.61	3390.88	8.00	-8.07	-12.32	14.73	236.76	0.43	85.4M
	3486.00	0.49	85.40	3485.88	8.27	-8.34	-11.70	14.37	234.53	0.49	68.97M
	3582.00	0.48	68.97	3581.87	8.09	-8.16	-10.92	13.63	233.23	0.14	51.26M
	3677.00	0.40	51.26	3676.87	7.75	-7.81	-10.29	12.92	232.80	0.17	39.46M
	3773.00	0.41	39.46	3772.87	7.28	-7.33	-9.81	12.25	233.21	0.09	39.19M
	3868.00	0.39	39.19	3867.87	6.77	-6.82	-9.39	11.60	234.00	0.02	38.57M
	3964.00	0.33	38.57	3963.87	6.30	-6.35	-9.01	11.02	234.81	0.06	54.88M
	4059.00	0.28	54.88	4058.86	5.95	-6.00	-8.65	10.53	235.23	0.10	91.25M
	4154.00	0.32	91.25	4153.86	5.63	-5.68	-8.19	10.08	234.35	0.20	92.86M
	4248.00	0.95	92.86	4247.86	5.88	-5.92	-7.15	9.29	230.38	0.67	93.55M
	4343.00	1.54	93.55	4342.83	6.01	-6.04	-5.09	7.90	220.13	0.62	67.49M
	4439.00	1.32	67.49	4438.80	5.68	-5.70	-2.78	6.34	206.03	0.71	56.04M
	4535.00	1.38	56.04	4534.78	4.62	-4.63	-0.80	4.70	189.83	0.29	53.33M
	4631.00	1.56	53.33	4630.75	3.21	-3.20	1.21	3.42	159.37	0.20	42.2M
	4726.00	1.47	42.20	4725.71	1.54	-1.53	3.06	3.42	116.50	0.32	27.46M
Last Gyro Survey	4820.00	1.23	27.46	4819.69	-0.24	0.26	4.34	4.34	86.54	0.45	8.38M
	4915.00	0.94	8.38	4914.67	-1.91	1.94	4.92	5.29	68.50	0.48	340.67M
	4951.00	0.70	340.67	4950.67	-2.41	2.44	4.89	5.46	63.50	1.27	326.65M
	5046.00	0.70	326.65	5045.66	-3.44	3.47	4.38	5.59	51.60	0.18	330.87M
	5142.00	0.62	330.87	5141.65	-4.39	4.41	3.80	5.83	40.75	0.10	321.95M
	5237.00	0.70	321.95	5236.65	-5.30	5.32	3.20	6.21	30.99	0.14	326.87M
	5333.00	0.70	326.87	5332.64	-6.26	6.27	2.51	6.76	21.84	0.06	322.87M
	5428.00	0.88	322.87	5427.63	-7.33	7.34	1.76	7.55	13.46	0.20	326.17M
	5523.00	0.79	326.17	5522.62	-8.46	8.47	0.95	8.52	6.41	0.11	317.16M
	5619.00	0.88	317.16	5618.61	-9.56	9.56	0.08	9.56	0.49	0.17	323.97M
	5714.00	0.88	323.97	5713.60	-10.69	10.68	-0.84	10.71	355.48	0.11	326.26M
	5810.00	0.79	326.26	5809.59	-11.84	11.83	-1.64	11.94	352.08	0.10	323.49M
	5906.00	1.01	323.49	5905.58	-13.07	13.06	-2.52	13.30	349.10	0.23	321.95M
	5999.00	0.88	321.95	5998.57	-14.30	14.28	-3.44	14.69	346.44	0.14	322.17M
	6095.00	0.88	322.17	6094.55	-15.47	15.44	-4.35	16.04	344.27	0.00	322.87M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	6190.00	0.79	322.87	6189.54	-16.57	16.54	-5.19	17.34	342.57	0.10	317.69M
	6286.00	0.70	317.69	6285.54	-17.54	17.50	-5.99	18.50	341.11	0.12	321.38M
	6380.00	0.88	321.38	6379.53	-18.53	18.49	-6.82	19.71	339.74	0.20	312.85M
	6476.00	0.70	312.85	6475.52	-19.51	19.46	-7.71	20.94	338.38	0.22	318.87M
	6571.00	0.70	318.87	6570.51	-20.35	20.30	-8.52	22.01	337.23	0.08	323.58M
	6667.00	0.62	323.58	6666.50	-21.21	21.16	-9.22	23.08	336.46	0.10	321.07M
	6762.00	0.62	321.07	6761.50	-22.03	21.97	-9.84	24.07	335.87	0.03	305.95M
	6858.00	0.62	305.95	6857.49	-22.74	22.68	-10.59	25.03	334.97	0.17	315.67M
	6953.00	0.48	315.67	6952.49	-23.33	23.27	-11.28	25.86	334.12	0.18	325.47M
	7049.00	0.40	325.47	7048.49	-23.90	23.83	-11.76	26.57	333.74	0.11	320.59M
	7145.00	0.40	320.59	7144.48	-24.44	24.36	-12.16	27.23	333.48	0.04	134.08M
	7240.00	0.88	134.08	7239.48	-24.18	24.11	-11.84	26.86	333.84	1.35	146.08M
	7335.00	0.70	146.08	7334.47	-23.19	23.12	-11.00	25.61	334.57	0.26	146.48M
	7431.00	0.70	146.48	7430.46	-22.21	22.15	-10.35	24.45	334.96	0.01	147.18M
	7526.00	0.79	147.18	7525.46	-21.17	21.11	-9.67	23.22	335.39	0.10	148.37M
	7622.00	0.88	148.37	7621.45	-19.98	19.93	-8.92	21.84	335.88	0.10	157.99M
	7717.00	1.10	157.99	7716.43	-18.51	18.46	-8.20	20.20	336.05	0.29	159.35M
	7812.00	1.01	159.35	7811.42	-16.88	16.83	-7.56	18.46	335.81	0.10	164.45M
	7908.00	1.19	164.45	7907.40	-15.12	15.08	-7.00	16.63	335.11	0.21	168.89M
	8004.00	1.01	168.89	8003.38	-13.33	13.29	-6.57	14.83	333.71	0.21	172.45M
	8099.00	1.01	172.45	8098.37	-11.68	11.64	-6.30	13.23	331.59	0.07	182.69M
	8195.00	1.19	182.69	8194.35	-9.84	9.81	-6.23	11.62	327.56	0.28	190.86M
	8290.00	1.10	190.86	8289.33	-7.96	7.92	-6.45	10.22	320.86	0.20	187.17M
	8385.00	1.32	187.17	8384.31	-5.98	5.94	-6.76	9.00	311.33	0.25	192.09M
	8481.00	1.32	192.09	8480.28	-3.81	3.77	-7.13	8.06	297.84	0.12	197.85M
	8577.00	1.41	197.85	8576.26	-1.61	1.56	-7.72	7.88	281.42	0.17	196.88M
	8672.00	1.32	196.88	8671.23	0.55	-0.60	-8.40	8.42	265.91	0.10	202.38M
	8768.00	1.32	202.38	8767.20	2.63	-2.68	-9.14	9.52	253.65	0.13	214.37M
	8863.00	1.32	214.37	8862.18	4.54	-4.60	-10.17	11.16	245.69	0.29	217.66M
	8958.00	1.19	217.76	8957.15	6.21	-6.28	-11.40	13.01	241.15	0.16	228.63M
	9054.00	1.41	228.63	9053.13	7.77	-7.85	-12.89	15.09	238.67	0.34	232.08M
	9150.00	1.32	232.08	9149.10	9.22	-9.31	-14.65	17.36	237.57	0.13	232.76M
	9246.00	1.32	226.76	9245.08	10.65	-10.74	-16.33	19.55	236.66	0.13	234.67M
	9341.00	1.80	234.67	9340.04	12.25	-12.36	-18.34	22.12	236.03	0.55	234.59M
	9435.00	1.80	234.59	9434.00	13.94	-14.07	-20.75	25.07	235.87	0.00	243.55M
	9531.00	1.58	243.55	9529.95	15.39	-15.53	-23.17	27.89	236.16	0.36	244.08M
	9627.00	1.41	244.08	9625.92	16.48	-16.64	-25.41	30.37	236.79	0.18	261.26M
	9722.00	2.11	261.26	9720.88	17.24	-17.41	-28.19	33.14	238.30	0.91	258.05M
	9817.00	3.12	258.05	9815.78	18.02	-18.21	-32.45	37.21	240.70	1.07	247.07M
	9912.00	2.02	247.07	9910.68	19.18	-19.40	-36.52	41.35	242.02	1.26	239.07M
	10009.00	2.29	239.07	10007.61	20.83	-21.06	-39.76	44.99	242.09	0.42	237.66M
	10105.00	2.29	237.66	10103.54	22.82	-23.07	-43.02	48.82	241.79	0.06	243.86M
	10200.00	2.42	243.86	10198.45	24.70	-24.97	-46.43	52.72	241.72	0.30	247.86M
	10295.00	2.50	247.86	10293.37	26.34	-26.64	-50.15	56.78	242.02	0.20	252.47M
	10391.00	2.20	252.47	10389.29	27.66	-27.98	-53.84	60.68	242.54	0.37	261.26M
Tie-In ST01	10486.00	2.11	261.26	10484.22	28.46	-28.80	-57.31	64.14	243.32	0.36	252.52M
	10509.00	2.02	252.52	10507.20	28.64	-28.98	-58.12	64.94	243.49	1.42	210.6M
	10605.00	9.41	210.60	10602.69	35.88	-36.26	-63.73	73.33	240.36	8.35	14.45R
	10636.00	13.28	214.90	10633.07	40.96	-41.36	-67.06	78.79	238.34	12.77	9.26L
	10668.00	17.50	212.62	10663.92	48.00	-48.43	-71.76	86.58	235.98	13.32	11.3L
	10700.00	21.98	210.24	10694.03	57.20	-57.66	-77.37	96.50	233.30	14.22	15.92L
	10732.00	26.56	207.34	10723.20	68.70	-69.20	-83.68	108.58	230.41	14.79	20.7L
	10764.00	31.04	204.09	10751.23	82.55	-83.09	-90.34	122.74	227.39	14.83	20L
	10796.00	35.26	201.45	10778.02	98.65	-99.23	-97.08	138.82	224.37	13.94	27.68L
	10826.00	39.83	197.76	10801.80	115.84	-116.45	-103.19	155.59	221.54	16.97	32.71L
Survey 5-Jan-13	10858.00	43.53	194.36	10825.70	136.24	-136.89	-109.05	175.02	218.54	13.55	46.03L
	10890.00	46.52	190.20	10848.32	158.33	-159.01	-113.84	195.56	215.60	13.11	57.07L
	10927.00	49.59	184.29	10873.06	185.59	-186.28	-117.27	220.12	212.19	14.49	44.36L
	10959.00	52.58	180.68	10893.17	210.44	-211.15	-118.34	242.05	209.27	12.82	HS
	10990.00	53.73	180.68	10911.76	235.25	-235.96	-118.63	264.10	206.69	3.71	15.41R
	11022.00	55.13	181.15	10930.37	261.27	-261.98	-119.05	287.76	204.44	4.54	14.39R
	11054.00	57.33	181.82	10948.16	287.86	-288.57	-119.74	312.43	202.54	7.09	2.74L
Survey 7-Jan-13	11086.00	60.23	181.66	10964.74	315.20	-315.92	-120.57	338.15	200.89	9.07	15.17R
	11118.00	62.96	182.49	10979.96	343.32	-344.05	-121.59	364.90	199.46	8.83	43.14R
	11149.00	64.54	184.12	10993.67	371.06	-371.80	-123.19	391.68	198.33	6.94	14.07R
	11180.00	66.48	184.65	11006.52	399.18	-399.93	-125.35	419.11	197.40	6.45	5.8R
	11212.00	71.05	185.14	11018.11	428.87	-429.64	-127.90	448.27	196.58	14.35	6.42R
	11244.00	75.97	185.71	11027.19	459.39	-460.18	-130.80	478.40	195.87	15.47	8.75L
	11276.00	80.46	185.01	11033.72	490.55	-491.36	-133.72	509.23	195.22	14.19	12.79L
	11308.00	85.03	183.97	11037.76	522.18	-522.99	-136.21	540.44	194.60	14.64	22.39L
Survey 9-Jan-13	11340.00	87.14	183.10	11039.95	554.03	-554.86	-138.18	571.80	193.98	7.13	35.59L
	11361.00	88.02	182.47	11040.84	574.98	-575.81	-139.20	592.40	193.59	5.15	63.35L
	11393.00	89.08	180.36	11041.65	606.95	-607.79	-139.99	623.70	192.97	7.38	51.5L
	11425.00	89.43	179.92	11042.06	638.94	-639.79	-140.06	654.94	192.35	1.76	HS
	11457.00	89.60	179.92	11042.33	670.94	-671.79	-140.02	686.22	191.77	0.53	11.56R
	11521.00	90.04	180.01	11042.53	734.94	-735.79	-139.98	748.98	190.77	0.70	16.34R
	11617.00	91.54	180.45	11041.21	830.93	-831.77	-140.36	843.53	189.58	1.63	122.58L
	11710.00	90.92	179.48	11039.21	923.90	-924.75	-140.31	935.33	188.63	1.24	52.34R
	11805.00	91.19	179.83	11037.46	1018.88	-1019.73	-139.74	1029.26	187.80	0.47	115.47L
	11901.00	90.48	178.34	11036.07	1114.87	-1115.71	-138.20	1124.23	187.06	1.72	23.62R
	11995.00	91.28	178.69	11034.62	1208.84	-1209.66	-135.77	1217.26	186.40	0.93	158.12R

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (%/100ft)	TF (°)
11-Jan-13	12090.00	89.96	179.22	11033.59	1303.82	-1304.64	-134.03	1311.51	185.87	1.50	175.15L
	12185.00	88.90	179.13	11034.64	1398.81	-1399.62	-132.67	1405.90	185.41	1.12	150.76L
	12280.00	87.49	178.34	11037.53	1493.75	-1494.55	-130.57	1500.24	184.99	1.70	129.74L
	12376.00	87.05	177.81	11042.10	1589.60	-1590.39	-127.35	1595.48	184.58	0.72	103.92L
	12471.00	86.53	175.70	11047.42	1684.33	-1685.08	-121.98	1689.49	184.14	2.28	74.42L
	12503.00	86.70	175.09	11049.31	1716.18	-1716.92	-119.42	1721.07	183.98	1.98	9.63L
	12535.00	87.76	174.91	11050.86	1748.04	-1748.76	-116.63	1752.65	183.82	3.36	23.08L
	12567.00	88.37	174.65	11051.94	1779.90	-1780.61	-113.72	1784.24	183.65	2.07	8.26L
	12598.00	88.99	174.56	11052.65	1810.77	-1811.46	-110.81	1814.85	183.50	2.02	19.09L
	12630.00	89.25	174.47	11053.15	1842.64	-1843.31	-107.75	1846.46	183.35	0.86	14.42L
	12662.00	89.60	174.38	11053.47	1874.51	-1875.16	-104.64	1878.08	183.19	1.13	90R
	12694.00	89.60	174.47	11053.69	1906.37	-1907.01	-101.53	1909.71	183.05	0.28	45R
Survey 12-Jan-13	12726.00	89.69	174.56	11053.89	1938.24	-1938.86	-98.47	1941.36	182.91	0.40	HS
	12758.00	90.22	174.56	11053.91	1970.12	-1970.72	-95.44	1973.03	182.77	1.66	7.33R
	12790.00	90.92	174.65	11053.60	2001.99	-2002.57	-92.43	2004.70	182.64	2.21	52.34R
	12822.00	91.19	175.00	11053.01	2033.87	-2034.44	-89.55	2036.41	182.52	1.38	165.77L
	12853.00	90.48	174.82	11052.55	2064.76	-2065.31	-86.80	2067.13	182.41	2.36	90L
	12885.00	90.48	174.56	11052.29	2096.64	-2097.17	-83.83	2098.85	182.29	0.81	5.84L
	12917.00	91.36	174.47	11051.77	2128.51	-2129.02	-80.78	2130.55	182.17	2.76	HS
	12949.00	91.54	174.47	11050.96	2160.36	-2160.86	-77.69	2162.26	182.06	0.56	157.75R
	12981.00	91.10	174.65	11050.23	2192.23	-2192.71	-74.66	2193.98	181.95	1.49	LS
	13012.00	90.84	174.65	11049.70	2223.11	-2223.57	-71.77	2224.73	181.85	0.84	HS
	13044.00	91.01	174.65	11049.18	2254.98	-2255.43	-68.79	2256.48	181.75	0.53	HS
	13076.00	91.10	174.65	11048.60	2286.85	-2287.28	-65.80	2288.23	181.65	0.28	44.99L
	13107.00	91.28	174.47	11047.95	2317.72	-2318.14	-62.87	2318.99	181.55	0.82	39.13R
	13139.00	91.71	174.82	11047.12	2349.59	-2349.99	-59.88	2350.75	181.46	1.73	55.29L
	13171.00	91.89	174.56	11046.11	2381.45	-2381.83	-56.92	2382.51	181.37	0.99	44.98L
	13203.00	92.07	174.38	11045.01	2413.30	-2413.66	-53.84	2414.26	181.28	0.80	90R
Final Survey Proj to TD	13235.00	92.07	175.00	11043.85	2445.16	-2445.51	-50.88	2446.04	181.19	1.94	71.76R
	13266.00	92.33	175.79	11042.66	2476.05	-2476.38	-48.39	2476.86	181.12	2.68	HS
	13298.00	92.77	175.79	11041.24	2507.95	-2508.26	-46.04	2508.69	181.05	1.38	139.49R
	13330.00	92.15	176.32	11039.86	2539.85	-2540.16	-43.85	2540.54	180.99	2.55	71.1R
	13362.00	92.42	177.11	11038.59	2571.79	-2572.08	-42.01	2572.42	180.94	2.61	HS
	13443.00	92.42	177.11	11035.17	2652.63	-2652.91	-37.93	2653.18	180.82	0.00	

Survey Type: 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_NSG+MSHOT-Depth Only	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot Gyro+MWD 0ft to 12650ft
	20.000	913.000	1/98.425	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	913.000	1357.000	Act Stns	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	1357.000	1676.000	1/98.425	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	1676.000	4915.000	Act Stns	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	4915.000	10486.000	Act Stns	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	10486.000	13362.000	Act Stns	30.000	30.000	SLB_MWD-STD	ST01 / Cimarex Dos Equis 12 Federal Com #2H ST01
	13362.000	13443.000	Act Stns	30.000	30.000	SLB_BLIND+TREND	ST01 / Cimarex Dos Equis 12 Federal Com #2H ST01



Cimarex Dos Equis 12 Federal Com #2H ST02 Gyro+MWD 13330ft to 15399ft MD (Def Survey)



Report Date: January 26, 2013 - 09:25 AM
 Client: Cimarex
 Field: NM Lea County (NAD 83)
 Structure / Slot: Cactus 110 / Cimarex Dos Equis 12 Federal Com #2H
 Well: Cimarex Dos Equis 12 Federal Com #2H
 Borehole: ST02
 UWI / API#: Unknown / Unknown
 Survey Name: Cimarex Dos Equis 12 Federal Com #2H ST02 Gyro+MWD 13330ft to 15399ft MD
 Survey Date: January 15, 2013
 Tort / AHD / DDI / ERD Ratio: 175.590 ° / 4759.062 ft / 6.066 / 0.431
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 14' 18.91516", W 103° 37' 34.20451"
 Location Grid N/E Y/X: N 451251.500 ftUS, E 759983.200 ftUS
 CRS Grid Convergence Angle: 0.3772 °
 Grid Scale Factor: 0.99996384

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 179.660 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3625.000 ft above MSL
 Seabed / Ground Elevation: 3605.000 ft above MSL
 Magnetic Declination: 7.521 °
 Total Gravity Field Strength: 998.4686mgn (9.80665 Based)
 Total Magnetic Field Strength: 48441.299 nT
 Magnetic Dip Angle: 60.111 °
 Declination Date: January 15, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Grid North
 Grid Convergence Used: 0.3772 °
 Total Corr Mag North->Grid North: 7.1433 °
 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 (°)
SHL Dos Equis 12 Federal Com #2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	234.7M
	913.00	0.44	234.70	912.99	2.01	-2.03	-2.86	3.51	234.70	0.05	234.49M
	1008.00	0.44	234.49	1007.99	2.43	-2.45	-3.46	4.24	234.68	0.00	234.8M
	1105.00	0.43	234.80	1104.99	2.85	-2.87	-4.06	4.97	234.68	0.01	234.67M
	1198.00	0.43	234.67	1197.98	3.25	-3.28	-4.63	5.67	234.68	0.00	231.85M
	1289.00	0.81	231.85	1288.98	3.84	-3.87	-5.41	6.65	234.41	0.42	227.91M
	1357.00	0.94	227.91	1356.97	4.51	-4.54	-6.20	7.69	233.78	0.21	167.36M
	1676.00	0.58	167.36	1675.95	7.83	-7.87	-7.79	11.08	224.70	0.26	136.83M
	1771.00	0.32	136.83	1770.94	8.49	-8.54	-7.50	11.37	221.32	0.36	278.58M
	1866.00	0.35	278.58	1865.94	8.64	-8.69	-7.61	11.55	221.22	0.67	32.69M
	1962.00	0.15	32.69	1961.94	8.49	-8.54	-7.83	11.58	222.54	0.45	353.39M
	2058.00	0.24	353.39	2057.94	8.18	-8.23	-7.79	11.33	223.41	0.16	314.7M
	2153.00	0.20	314.70	2152.94	7.87	-7.92	-7.93	11.20	225.04	0.16	228.93M
	2249.00	0.37	228.93	2248.94	7.95	-8.00	-8.28	11.52	225.98	0.42	184.81M
	2344.00	0.38	184.81	2343.94	8.47	-8.52	-8.54	12.06	225.07	0.30	132.06M
	2434.00	0.43	132.06	2433.94	8.99	-9.04	-8.31	12.28	222.60	0.40	89.56M
	2534.00	0.40	89.56	2533.93	9.24	-9.29	-7.68	12.06	219.60	0.30	26.66M
	2630.00	0.44	26.66	2629.93	8.91	-8.96	-7.18	11.48	218.73	0.46	351.37M
	2725.00	0.61	351.37	2724.93	8.09	-8.13	-7.10	10.79	221.11	0.38	319.06M
	2820.00	0.77	319.06	2819.92	7.10	-7.15	-7.59	10.43	226.71	0.44	297.86M
	2916.00	0.81	297.86	2915.91	6.29	-6.35	-8.61	10.70	233.62	0.31	279.33M
	3011.00	0.78	279.33	3010.90	5.87	-5.93	-9.85	11.49	238.95	0.27	254.31M
	3106.00	0.72	254.31	3105.89	5.92	-5.98	-11.06	12.57	241.58	0.35	224.56M
	3202.00	0.61	224.56	3201.89	6.44	-6.51	-12.00	13.65	241.51	0.37	190.91M
	3297.00	0.56	190.91	3296.88	7.25	-7.33	-12.44	14.44	239.50	0.36	144.61M
	3391.00	0.44	144.61	3390.88	8.00	-8.07	-12.32	14.73	236.76	0.43	85.4M
	3486.00	0.49	85.40	3485.88	8.27	-8.34	-11.70	14.37	234.53	0.49	68.97M
	3582.00	0.48	68.97	3581.87	8.09	-8.16	-10.92	13.63	233.23	0.14	51.26M
	3677.00	0.40	51.26	3676.87	7.75	-7.81	-10.29	12.92	232.80	0.17	39.46M
	3773.00	0.41	39.46	3772.87	7.28	-7.33	-9.81	12.25	233.21	0.09	39.19M
	3868.00	0.39	39.19	3867.87	6.77	-6.82	-9.39	11.60	234.00	0.02	38.57M
	3964.00	0.33	38.57	3963.87	6.30	-6.35	-9.01	11.02	234.81	0.06	54.88M
	4059.00	0.28	54.88	4058.86	5.95	-6.00	-8.65	10.53	235.23	0.10	91.25M
	4154.00	0.32	91.25	4153.86	5.83	-5.88	-8.19	10.08	234.35	0.20	92.86M
	4248.00	0.95	92.86	4247.86	5.88	-5.92	-7.15	9.29	230.38	0.67	93.55M
	4343.00	1.54	93.55	4342.83	6.01	-6.04	-5.09	7.90	220.13	0.62	67.49M
	4439.00	1.32	67.49	4438.80	5.68	-5.70	-2.78	6.34	206.03	0.71	56.04M
	4535.00	1.38	56.04	4534.78	4.62	-4.63	-0.80	4.70	189.83	0.29	53.33M
	4631.00	1.56	53.33	4630.75	3.21	-3.20	1.21	3.42	159.37	0.20	42.2M
	4726.00	1.47	42.20	4725.71	1.54	-1.53	3.06	3.42	116.50	0.32	27.46M
Last Gyro Survey	4820.00	1.23	27.46	4819.69	-0.24	0.26	4.34	4.34	86.54	0.45	8.38M
	4915.00	0.94	8.38	4914.67	-1.91	1.94	4.92	5.29	68.50	0.48	340.67M
	4951.00	0.70	340.67	4950.67	-2.41	2.44	4.89	5.46	63.50	1.27	326.65M
	5046.00	0.70	326.65	5045.66	-3.44	3.47	4.38	5.59	51.60	0.18	330.87M
	5142.00	0.62	330.87	5141.65	-4.39	4.41	3.80	5.83	40.75	0.10	321.95M
	5237.00	0.70	321.95	5236.65	-5.30	5.32	3.20	6.21	30.99	0.14	326.87M
	5333.00	0.70	326.87	5332.64	-6.26	6.27	2.51	6.76	21.84	0.06	322.87M
	5428.00	0.88	322.87	5427.63	-7.33	7.34	1.76	7.55	13.46	0.20	326.17M
	5523.00	0.79	326.17	5522.62	-8.46	8.47	0.95	8.52	6.41	0.11	317.16M
	5619.00	0.88	317.16	5618.61	-9.56	9.56	0.08	9.56	0.49	0.17	323.97M
	5714.00	0.88	323.97	5713.60	-10.69	10.68	-0.84	10.71	355.48	0.11	326.26M
	5810.00	0.79	326.26	5809.59	-11.84	11.83	-1.64	11.94	352.08	0.10	323.49M
	5906.00	1.01	323.49	5905.58	-13.07	13.06	-2.52	13.30	349.10	0.23	321.95M
	5999.00	0.88	321.95	5998.57	-14.30	14.28	-3.44	14.69	346.44	0.14	322.17M
	6095.00	0.88	322.17	6094.55	-15.47	15.44	-4.35	16.04	344.27	0.00	322.87M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°100ft)	TF (°)
	6190.00	0.79	322.87	6189.54	-16.57	16.54	-5.19	17.34	342.57	0.10	317.69M
	6286.00	0.70	317.69	6285.54	-17.54	17.50	-5.99	18.50	341.11	0.12	321.38M
	6380.00	0.88	321.38	6379.53	-18.53	18.49	-6.82	19.71	339.74	0.20	312.85M
	6476.00	0.70	312.85	6475.52	-19.51	19.46	-7.71	20.94	338.38	0.22	318.87M
	6571.00	0.70	318.87	6570.51	-20.35	20.30	-8.52	22.01	337.23	0.08	323.58M
	6667.00	0.62	323.58	6666.50	-21.21	21.16	-9.22	23.08	336.46	0.10	321.07M
	6762.00	0.62	321.07	6761.50	-22.03	21.97	-9.84	24.07	335.87	0.03	305.95M
	6858.00	0.62	305.95	6857.49	-22.74	22.68	-10.59	25.03	334.97	0.17	315.67M
	6953.00	0.48	315.67	6952.49	-23.33	23.27	-11.28	25.86	334.12	0.18	325.47M
	7049.00	0.40	325.47	7048.49	-23.90	23.83	-11.76	26.57	333.74	0.11	320.59M
	7145.00	0.40	320.59	7144.48	-24.44	24.36	-12.16	27.23	333.48	0.04	134.08M
	7240.00	0.88	134.08	7239.48	-24.18	24.11	-11.84	26.86	333.84	1.35	146.08M
	7335.00	0.70	146.08	7334.47	-23.19	23.12	-11.00	25.61	334.57	0.26	146.48M
	7431.00	0.70	146.48	7430.46	-22.21	22.15	-10.35	24.45	334.96	0.01	147.18M
	7526.00	0.79	147.18	7525.46	-21.17	21.11	-9.67	23.22	335.39	0.10	148.37M
	7622.00	0.88	148.37	7621.45	-19.98	19.93	-8.92	21.84	335.88	0.10	157.99M
	7717.00	1.10	157.99	7716.43	-18.51	18.46	-8.20	20.20	336.05	0.29	159.35M
	7812.00	1.01	159.35	7811.42	-16.88	16.83	-7.56	18.46	335.81	0.10	164.45M
	7908.00	1.19	164.45	7907.40	-15.12	15.08	-7.00	16.63	335.11	0.21	168.89M
	8004.00	1.01	168.89	8003.38	-13.33	13.29	-6.57	14.83	333.71	0.21	172.45M
	8099.00	1.01	172.45	8098.37	-11.68	11.64	-6.30	13.23	331.59	0.07	182.69M
	8195.00	1.19	182.69	8194.35	-9.84	9.81	-6.23	11.62	327.56	0.28	190.86M
	8290.00	1.10	190.86	8289.33	-7.96	7.92	-6.45	10.22	320.86	0.20	187.17M
	8385.00	1.32	187.17	8384.31	-5.98	5.94	-6.76	9.00	311.33	0.25	192.09M
	8481.00	1.32	192.09	8480.28	-3.81	3.77	-7.13	8.06	297.84	0.12	197.85M
	8577.00	1.41	197.85	8576.26	-1.61	1.56	-7.72	7.88	281.42	0.17	196.88M
	8672.00	1.32	196.88	8671.23	0.55	-0.60	-8.40	8.42	265.91	0.10	202.38M
	8768.00	1.32	202.38	8767.20	2.63	-2.68	-9.14	9.52	253.65	0.13	214.37M
	8863.00	1.32	214.37	8862.18	4.54	-4.60	-10.17	11.16	245.69	0.29	217.76M
	8958.00	1.19	217.76	8957.15	6.21	-6.28	-11.40	13.01	241.15	0.16	228.63M
	9054.00	1.41	228.63	9053.13	7.77	-7.85	-12.89	15.09	238.67	0.34	232.08M
	9150.00	1.32	232.08	9149.10	9.22	-9.31	-14.65	17.36	237.57	0.13	232.76M
	9246.00	1.32	226.76	9245.08	10.65	-10.74	-16.33	19.55	236.66	0.13	234.67M
	9341.00	1.80	234.67	9340.04	12.25	-12.36	-18.34	22.12	236.03	0.55	234.59M
	9435.00	1.80	234.59	9434.00	13.94	-14.07	-20.75	25.07	235.87	0.00	243.55M
	9531.00	1.58	243.55	9529.95	15.39	-15.53	-23.17	27.89	236.16	0.36	244.08M
	9627.00	1.41	244.08	9625.92	16.48	-16.64	-25.41	30.37	236.79	0.18	261.26M
	9722.00	2.11	261.26	9720.88	17.24	-17.41	-28.19	33.14	238.30	0.91	258.05M
	9817.00	3.12	258.05	9815.78	18.02	-18.21	-32.45	37.21	240.70	1.07	247.07M
	9912.00	2.02	247.07	9910.68	19.18	-19.40	-36.52	41.35	242.02	1.26	239.07M
	10009.00	2.29	239.07	10007.61	20.83	-21.06	-39.76	44.99	242.09	0.42	237.66M
	10105.00	2.29	237.66	10103.54	22.82	-23.07	-43.02	48.82	241.79	0.06	243.86M
	10200.00	2.42	243.86	10198.45	24.70	-24.97	-46.43	52.72	241.72	0.30	247.86M
	10295.00	2.50	247.86	10293.37	26.34	-26.64	-50.15	56.78	242.02	0.20	252.47M
	10391.00	2.20	252.47	10389.29	27.66	-27.98	-53.84	60.68	242.54	0.37	261.26M
Tie-In ST01	10486.00	2.11	261.26	10484.22	28.46	-28.80	-57.31	64.14	243.32	0.36	252.52M
	10509.00	2.02	252.52	10507.20	28.64	-28.98	-58.12	64.94	243.49	1.42	210.6M
	10605.00	9.41	210.60	10602.69	35.88	-36.26	-63.73	73.33	240.36	8.35	14.45R
	10636.00	13.28	214.90	10633.07	40.96	-41.36	-67.06	78.79	238.34	12.77	9.26L
	10668.00	17.50	212.62	10663.92	48.00	-48.43	-71.76	86.58	235.98	13.32	11.3L
	10700.00	21.98	210.24	10694.03	57.20	-57.66	-77.37	96.50	233.30	14.22	15.92L
	10732.00	26.56	207.34	10723.20	68.70	-69.20	-83.68	108.58	230.41	14.79	20.7L
	10764.00	31.04	204.09	10751.23	82.55	-83.09	-90.34	122.74	227.39	14.83	20L
	10796.00	35.26	201.45	10778.02	98.65	-99.23	-97.08	138.82	224.37	13.94	27.68L
	10826.00	39.83	197.76	10801.80	115.84	-116.45	-103.19	155.59	221.54	16.97	32.71L
Survey 5-Jan-13	10858.00	43.53	194.36	10825.70	136.24	-136.89	-109.05	175.02	218.54	13.55	46.03L
	10890.00	46.52	190.20	10848.32	158.33	-159.01	-113.84	195.56	215.60	13.11	57.07L
	10927.00	49.59	184.29	10873.06	185.59	-186.28	-117.27	220.12	212.19	14.49	44.36L
	10959.00	52.58	180.68	10893.17	210.44	-211.15	-118.34	242.05	209.27	12.82	HS
	10990.00	53.73	180.68	10911.76	235.25	-235.96	-118.63	264.10	206.69	3.71	15.41R
	11022.00	55.13	181.15	10930.37	261.27	-261.98	-119.05	287.76	204.44	4.54	14.39R
	11054.00	57.33	181.82	10948.16	287.86	-288.57	-119.74	312.43	202.54	7.09	2.74L
Survey 7-Jan-13	11086.00	60.23	181.66	10964.74	315.20	-315.92	-120.57	338.15	200.89	9.07	15.17R
	11118.00	62.96	182.49	10979.96	343.32	-344.05	-121.59	364.90	199.46	8.83	43.14R
	11149.00	64.54	184.12	10993.67	371.06	-371.80	-123.19	391.68	198.33	6.94	14.07R
	11180.00	66.48	184.65	11006.52	399.18	-399.93	-125.35	419.11	197.40	6.45	5.8R
	11212.00	71.05	185.14	11018.11	428.87	-429.64	-127.90	448.27	196.58	14.35	6.42R
	11244.00	75.97	185.71	11027.19	459.39	-460.18	-130.80	478.40	195.87	15.47	8.75L
	11276.00	80.46	185.01	11033.72	490.55	-491.36	-133.72	509.23	195.22	14.19	12.79L
	11308.00	85.03	183.97	11037.76	522.18	-522.99	-136.21	540.44	194.60	14.64	22.39L
Survey 9-Jan-13	11340.00	87.14	183.10	11039.95	554.03	-554.86	-138.18	571.80	193.98	7.13	35.59L
	11361.00	88.02	182.47	11040.84	574.98	-575.81	-139.20	592.40	193.59	5.15	63.35L
	11393.00	89.08	180.36	11041.65	606.95	-607.79	-139.99	623.70	192.97	7.38	51.5L
	11425.00	89.43	179.92	11042.06	638.94	-639.79	-140.06	654.94	192.35	1.76	HS
	11457.00	89.60	179.92	11042.33	670.94	-671.79	-140.02	686.22	191.77	0.53	11.56R
	11521.00	90.04	180.01	11042.53	734.94	-735.79	-139.98	748.98	190.77	0.70	16.34R
	11617.00	91.54	180.45	11041.21	830.93	-831.77	-140.36	843.53	189.58	1.63	122.58L
	11710.00	90.92	179.48	11039.21	923.90	-924.75	-140.31	935.33	188.63	1.24	52.34R
	11805.00	91.19	179.83	11037.46	1018.88	-1019.73	-139.74	1029.26	187.80	0.47	115.47L
	11901.00	90.48	178.34	11036.07	1114.87	-1115.71	-138.20	1124.23	187.06	1.72	23.62R
	11995.00	91.28	178.69	11034.62	1208.84	-1209.66	-135.77	1217.26	186.40	0.93	158.12R

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (%100ft)	TF (°)
11-Jan-13	12090.00	89.96	179.22	11033.59	1303.82	-1304.64	-134.03	1311.51	185.87	1.50	175.15L
	12185.00	88.90	179.13	11034.54	1398.81	-1399.62	-132.67	1405.90	185.41	1.12	150.76L
	12280.00	87.49	178.34	11037.53	1493.75	-1494.55	-130.57	1500.24	184.99	1.70	129.74L
	12376.00	87.05	177.81	11042.10	1589.60	-1590.39	-127.35	1595.48	184.58	0.72	103.92L
	12471.00	86.53	175.70	11047.42	1684.33	-1685.08	-121.98	1689.49	184.14	2.28	74.42L
	12503.00	86.70	175.09	11049.31	1716.18	-1716.92	-119.42	1721.07	183.98	1.98	9.63L
	12535.00	87.76	174.91	11050.86	1748.04	-1748.76	-116.63	1752.65	183.82	3.36	23.08L
	12567.00	88.37	174.65	11051.94	1779.90	-1780.61	-113.72	1784.24	183.65	2.07	8.26L
	12598.00	88.99	174.56	11052.65	1810.77	-1811.46	-110.81	1814.85	183.50	2.02	19.09L
	12630.00	89.25	174.47	11053.15	1842.64	-1843.31	-107.75	1846.46	183.35	0.86	14.42L
Survey 12-Jan-13	12662.00	89.60	174.38	11053.47	1874.51	-1875.16	-104.64	1878.08	183.19	1.13	90R
	12694.00	89.60	174.47	11053.69	1906.37	-1907.01	-101.53	1909.71	183.05	0.28	45R
	12726.00	89.69	174.56	11053.89	1938.24	-1938.86	-98.47	1941.36	182.91	0.40	HS
	12758.00	90.22	174.56	11053.91	1970.12	-1970.72	-95.44	1973.03	182.77	1.66	7.33R
	12790.00	90.92	174.65	11053.60	2001.99	-2002.57	-92.43	2004.70	182.64	2.21	52.34R
	12822.00	91.19	175.00	11053.01	2033.87	-2034.44	-89.55	2036.41	182.52	1.38	165.77L
	12853.00	90.48	174.82	11052.55	2064.76	-2065.31	-86.80	2067.13	182.41	2.36	90L
	12885.00	90.48	174.56	11052.29	2096.64	-2097.17	-83.83	2098.85	182.29	0.81	5.84L
	12917.00	91.36	174.47	11051.77	2128.51	-2129.02	-80.78	2130.55	182.17	2.76	HS
	12949.00	91.54	174.47	11050.96	2160.36	-2160.86	-77.69	2162.26	182.06	0.56	157.75R
Tie-In ST02	12981.00	91.10	174.65	11050.23	2192.23	-2192.71	-74.66	2193.98	181.95	1.49	LS
	13012.00	90.84	174.65	11049.70	2223.11	-2223.57	-71.77	2224.73	181.85	0.84	HS
	13044.00	91.01	174.65	11049.18	2254.98	-2255.43	-68.79	2256.48	181.75	0.53	HS
	13076.00	91.10	174.65	11048.60	2286.85	-2287.28	-65.80	2288.23	181.65	0.28	44.99L
	13107.00	91.28	174.47	11047.95	2317.72	-2318.14	-62.67	2318.99	181.55	0.82	39.13R
	13139.00	91.71	174.82	11047.12	2349.59	-2349.99	-59.88	2350.75	181.46	1.73	55.29L
	13171.00	91.89	174.56	11046.11	2381.45	-2381.83	-56.92	2382.51	181.37	0.99	44.98L
	13203.00	92.07	174.38	11045.01	2413.30	-2413.66	-53.84	2414.26	181.28	0.80	90R
	13235.00	92.07	175.00	11043.85	2445.16	-2445.51	-50.88	2446.04	181.19	1.94	71.76R
	13266.00	92.33	175.79	11042.66	2476.05	-2476.38	-48.39	2476.86	181.12	2.68	HS
Survey 22-Jan-13	13298.00	92.77	175.79	11041.24	2507.95	-2508.26	-46.04	2508.69	181.05	1.38	139.49R
	13330.00	92.15	176.32	11039.86	2539.85	-2540.16	-43.85	2540.54	180.99	2.55	167.15L
	13370.00	89.43	175.70	11039.31	2579.77	-2580.05	-41.06	2580.38	180.91	6.97	53.39L
	13402.00	89.69	175.35	11039.56	2611.68	-2611.96	-38.57	2612.24	180.85	1.36	15.33L
	13466.00	90.31	175.18	11039.56	2675.49	-2675.74	-33.28	2675.94	180.71	1.00	63.43L
	13497.00	90.40	175.00	11039.37	2706.39	-2706.62	-30.63	2706.80	180.65	0.65	34.69L
	13529.00	90.66	174.82	11039.07	2738.28	-2738.50	-27.79	2738.64	180.58	0.99	59.42L
	13561.00	90.92	174.38	11038.63	2770.15	-2770.35	-24.78	2770.46	180.51	1.60	38.49L
	13593.00	91.36	174.03	11037.99	2802.00	-2802.18	-21.55	2802.26	180.44	1.76	164.11R
	13688.00	90.13	174.38	11036.76	2896.56	-2896.68	-11.96	2896.71	180.24	1.35	90R
Survey 23-Jan-13	13783.00	90.13	174.56	11036.54	2991.17	-2991.24	-2.80	2991.24	180.05	0.19	138.09L
	13879.00	89.25	173.77	11037.06	3086.73	-3086.74	6.96	3086.75	179.87	1.23	9.64R
	13974.00	89.78	173.86	11037.86	3181.23	-3181.19	17.19	3181.23	179.69	0.57	104.44R
	14070.00	88.99	176.93	11038.89	3276.95	-3276.86	24.90	3276.95	179.56	3.30	171.71R
	14165.00	87.14	177.20	11042.10	3371.79	-3371.67	29.76	3371.81	179.49	1.97	14.44R
	14261.00	89.16	177.72	11045.20	3467.67	-3467.52	34.01	3467.69	179.44	2.17	54.42R
	14357.00	90.04	178.95	11045.87	3563.63	-3563.48	36.80	3563.67	179.41	1.58	HS
	14452.00	90.92	178.95	11045.08	3658.62	-3658.46	38.54	3658.66	179.40	0.93	6.43L
	14548.00	91.63	178.87	11042.94	3754.59	-3754.42	40.37	3754.63	179.38	0.74	138.38R
	14643.00	91.54	178.95	11040.31	3849.55	-3849.36	42.17	3849.59	179.37	0.13	37.63R
Survey 24-Jan-13	14739.00	91.89	179.22	11037.44	3945.50	-3945.31	43.70	3945.55	179.37	0.46	22.73R
	14835.00	92.51	179.48	11033.75	4041.43	-4041.23	44.79	4041.48	179.36	0.70	117.23L
	14931.00	92.33	179.13	11029.70	4137.34	-4137.14	45.96	4137.39	179.36	0.41	163.85L
	15026.00	89.60	178.34	11028.10	4232.30	-4232.09	48.05	4232.36	179.35	2.99	8.26R
	15122.00	90.22	178.43	11028.25	4328.28	-4328.05	50.76	4328.35	179.33	0.65	143.39R
	15217.00	89.87	178.69	11028.18	4423.26	-4423.02	53.15	4423.34	179.31	0.46	HS
	15313.00	90.66	178.69	11027.73	4519.24	-4519.00	55.34	4519.33	179.30	0.82	HS
	15399.00	90.66	178.69	11026.74	4605.23	-4604.97	57.31	4605.32	179.29	0.00	

Survey Type: Def Survey

Survey Error Model: ISCSWA 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 Sins	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot Gyro-MWD 0ft to 12650ft
	20.000	913.000	1/98.425	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	913.000	1357.000		Act Sins	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	1357.000	1676.000	1/98.425	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	1676.000	4915.000		Act Sins	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	4915.000	10486.000		Act Sins	30.000	SLB_MWD-STD	Original Borehole / Cimarex Dos Equis 12 Fed Com #2H Pilot
	10486.000	13330.000		Act Sins	30.000	SLB_MWD-STD	ST01 / Cimarex Dos Equis 12 Federal Com #2H ST01
	13330.000	15313.000		Act Sins	30.000	SLB_MWD-STD	ST02 / Cimarex Dos Equis 12 Federal Com #2H ST02

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (7100ft)	TF (°)
	15313.000		15399.000		Act Sins	30.000	30.000	SLB_BLIND+TREND		ST02 / Cimarex Dos Equis 12 Federal Com #2H ST02	