

Survey Report

Report Date: April 10, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Southwestern Energy	Vertical Section Azimuth: 79.710°
Field: Eddy County, NM	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Karlsbad Coral 2 #6-H / Karlsbad Coral 2 #6-H	TVD Reference Datum: RKB
Well: Karlsbad Coral 2 #6-H	TVD Reference Elevation: 0.0 ft relative to
Borehole: Karlsbad Coral 2 #6-H	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.365°
Survey Name / Date: Karlsbad Coral 2 #6-H_surveys / March 29, 2006	Total Field Strength: 49099.274 nT
Tort / AHD / DDI / ERD ratio: 165.855° / 2662.32 ft / 5.796 / 0.493	Magnetic Dip: 60.193°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: March 29, 2006
Location Lat/Long: N 32 9 51.269, W 103 57 18.494	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 423677.600 ftUS, E 617029.700 ftUS	North Reference: Grid North
Grid Convergence Angle: +0.20133410°	Total Corr Mag North -> Grid North: +8.164°
Grid Scale Factor: 0.99992478	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In	750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	167.00M
	781.00	1.30	167.00	781.00	0.02	-0.34	0.08	0.35	167.00	4.19	-165.80M
	1028.00	1.20	194.20	1027.94	-0.92	-5.58	0.07	5.58	179.23	0.24	-170.80M
	1244.00	1.80	189.20	1243.87	-2.99	-11.12	-1.02	11.17	185.25	0.28	-143.80M
	1460.00	1.90	216.20	1459.76	-6.72	-17.36	-3.68	17.75	191.97	0.40	-147.10M
	1679.00	2.00	212.90	1678.63	-11.97	-23.50	-7.90	24.79	198.58	0.07	-133.40M
	1804.00	3.00	226.60	1803.51	-16.20	-27.58	-11.46	29.86	202.57	0.93	-127.80M
	1836.00	3.30	232.20	1835.46	-17.72	-28.72	-12.80	31.44	204.02	1.34	-118.00M
	1867.00	3.00	242.00	1866.42	-19.29	-29.64	-14.22	32.88	205.62	1.98	-99.60M
	1930.00	2.80	260.40	1929.34	-22.39	-30.68	-17.19	35.16	209.27	1.50	-74.20M
	2025.00	1.50	285.80	2024.27	-25.83	-30.72	-20.68	37.03	213.94	1.66	-77.80M
	2306.00	3.10	282.20	2305.03	-36.16	-28.12	-31.64	42.33	228.38	0.57	-71.70M
	2400.00	4.20	288.30	2398.84	-41.53	-26.50	-37.39	45.83	234.68	1.24	-52.80M
	2462.00	4.10	307.20	2460.68	-45.02	-24.45	-41.32	48.01	239.39	2.20	-35.90M
	2525.00	2.40	324.10	2523.58	-47.11	-22.02	-43.88	49.10	243.36	3.07	13.00M
	2619.00	1.10	13.00	2617.54	-47.60	-19.54	-44.83	48.91	246.45	1.99	37.70M
	2714.00	0.70	37.70	2712.53	-46.81	-18.19	-44.27	47.87	247.66	0.58	132.80M
	2901.00	5.30	132.80	2899.26	-40.77	-23.16	-37.23	43.85	238.12	2.89	25.69G
	2996.00	6.50	137.80	2993.76	-35.29	-30.13	-30.40	42.80	225.26	1.37	-171.69G
	3059.00	5.20	135.70	3056.43	-31.81	-34.81	-26.01	43.46	216.77	2.09	-171.13G
	3121.00	3.60	131.70	3118.24	-29.04	-38.12	-22.60	44.31	210.66	2.63	122.20M
	3185.00	2.10	122.20	3182.16	-26.94	-40.08	-20.10	44.84	206.64	2.45	108.90M
	3247.00	1.80	108.90	3244.12	-25.25	-41.00	-18.22	44.87	203.96	0.87	104.20M
	3310.00	1.90	104.20	3307.09	-23.44	-41.58	-16.27	44.65	201.38	0.29	114.10M
	3372.00	1.90	114.10	3369.06	-21.65	-42.25	-14.34	44.62	198.75	0.53	93.20M
	3435.00	1.70	93.20	3432.03	-19.88	-42.73	-12.45	44.50	196.25	1.08	90.20M
	3529.00	1.50	90.20	3525.99	-17.32	-42.81	-9.83	43.92	192.93	0.23	84.30M
	3591.00	0.90	84.30	3587.98	-16.04	-42.76	-8.53	43.61	191.29	0.99	70.10M
	3685.00	0.30	70.10	3681.97	-15.06	-42.61	-7.57	43.27	190.07	0.65	-42.60M
	3748.00	0.40	317.40	3744.97	-15.01	-42.39	-7.56	43.06	190.11	0.93	-23.60M
	3811.00	0.60	336.40	3807.97	-15.21	-41.92	-7.84	42.65	190.60	0.41	-49.80M
	3874.00	0.60	310.20	3870.97	-15.49	-41.41	-8.23	42.22	191.24	0.43	-28.70M
	3936.00	0.50	331.30	3932.96	-15.78	-40.96	-8.60	41.86	191.86	0.36	-44.40M
	4000.00	0.70	315.60	3996.96	-16.09	-40.44	-9.01	41.43	192.56	0.40	-44.20M
	4063.00	0.90	315.80	4059.95	-16.58	-39.81	-9.63	40.96	193.59	0.32	-46.90M
	4158.00	1.10	313.10	4154.94	-17.54	-38.65	-10.81	40.13	195.63	0.22	-48.80M
	4222.00	1.10	311.20	4218.93	-18.29	-37.83	-11.72	39.60	197.22	0.06	-45.80M
	4317.00	1.10	314.20	4313.91	-19.39	-36.59	-13.06	38.85	199.65	0.06	-34.70M

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	4444.00	1.50	325.30	4440.88	-20.78	-34.37	-14.88	37.46	203.41	0.37	-34.30M
	4571.00	1.70	325.70	4567.83	-22.24	-31.45	-16.89	35.70	208.24	0.16	-29.40M
	4699.00	1.90	330.60	4695.76	-23.70	-28.03	-19.00	33.87	214.13	0.20	-32.90M
	4793.00	2.10	327.10	4789.71	-24.88	-25.23	-20.70	32.64	219.37	0.25	-29.10M
	4809.00	1.90	330.90	4805.70	-25.08	-24.75	-20.99	32.45	220.30	1.50	-12.50M
	4840.00	1.70	347.50	4836.68	-25.26	-23.85	-21.34	32.01	221.82	1.79	21.80M
	4872.00	3.90	21.80	4868.64	-24.70	-22.38	-21.04	30.72	223.23	8.35	28.70M
	4904.00	7.50	28.70	4900.48	-22.81	-19.54	-19.63	27.70	225.14	11.43	19.11G
	4935.00	11.30	35.30	4931.06	-19.36	-15.28	-16.90	22.79	227.89	12.72	32.52G
	4967.00	14.70	43.50	4962.24	-13.84	-9.78	-12.30	15.71	231.51	12.06	38.94G
	4999.00	17.90	51.50	4992.95	-6.23	-3.77	-5.65	6.79	236.31	12.19	31.96G
	5030.00	21.10	56.90	5022.17	3.11	2.25	2.76	3.56	50.79	11.84	17.78G
	5062.00	25.10	59.90	5051.60	14.81	8.80	13.46	16.08	56.82	13.03	24.66G
	5094.00	28.70	63.30	5080.13	28.57	15.66	26.20	30.52	59.13	12.23	27.09G
	5126.00	32.30	66.70	5107.70	44.28	22.50	40.92	46.70	61.20	12.47	23.40G
	5157.00	36.00	69.40	5133.36	61.32	28.98	57.06	64.00	63.08	12.90	24.91G
	5189.00	39.60	72.00	5158.64	80.69	35.44	75.57	83.47	64.87	12.30	18.53G
	5221.00	43.30	73.80	5182.62	101.72	41.66	95.82	104.48	66.50	12.15	20.72G
	5252.00	47.20	75.80	5204.44	123.65	47.42	117.06	126.30	67.95	13.39	31.54G
	5284.00	50.50	78.40	5225.50	147.71	52.78	140.54	150.13	69.42	11.99	20.78G
	5316.00	54.60	80.30	5244.95	173.11	57.46	165.51	175.20	70.85	13.65	10.40G
	5348.00	58.80	81.20	5262.52	199.84	61.76	191.90	201.59	72.16	13.33	13.46G
	5380.00	62.90	82.30	5278.10	227.77	65.76	219.55	229.19	73.33	13.16	10.20G
	5411.00	67.00	83.10	5291.23	255.81	69.33	247.40	256.93	74.35	13.43	10.76G
	5443.00	71.50	84.00	5302.56	285.65	72.68	277.13	286.50	75.30	14.31	7.71G
	5475.00	75.80	84.60	5311.57	316.25	75.73	307.68	316.86	76.17	13.56	-2.36G
	5506.00	80.60	84.40	5317.90	346.48	78.64	337.87	346.90	76.90	15.50	-7.11G
	5538.00	85.40	83.80	5321.80	378.14	81.90	369.46	378.42	77.50	15.11	-32.01G
	5570.00	87.80	82.30	5323.70	410.03	85.77	401.16	410.23	77.93	8.84	-63.43G
	5602.00	88.10	81.70	5324.84	441.98	90.22	432.83	442.13	78.23	2.10	18.43G
	5633.00	88.40	81.80	5325.79	472.95	94.66	463.49	473.06	78.46	1.02	-131.22G
	5665.00	87.70	81.00	5326.88	504.92	99.45	495.12	505.00	78.64	3.32	-155.03G
	5697.00	86.20	80.30	5328.58	536.87	104.64	526.64	536.94	78.76	5.17	164.10G
	5729.00	85.50	80.50	5330.90	568.78	109.96	558.11	568.84	78.85	2.27	-150.36G
	5760.00	84.80	80.10	5333.52	599.67	115.16	588.56	599.72	78.93	2.60	-58.96G
	5792.00	85.10	79.60	5336.34	631.54	120.78	619.94	631.59	78.98	1.82	0.00G
	5824.00	85.50	79.60	5338.96	663.43	126.54	651.31	663.48	79.01	1.25	0.00G
	5856.00	86.00	79.60	5341.33	695.35	132.30	682.69	695.39	79.03	1.56	123.77G
	5888.00	85.80	79.90	5343.62	727.26	137.98	714.10	727.31	79.06	1.12	-44.95G
	5920.00	86.30	79.40	5345.82	759.19	143.72	745.51	759.23	79.09	2.21	0.00G
	5952.00	86.60	79.40	5347.80	791.13	149.59	776.90	791.17	79.10	0.94	71.56G
	5984.00	86.90	80.30	5349.62	823.07	155.22	808.35	823.12	79.13	2.96	0.00G
	6016.00	87.00	80.30	5351.32	855.03	160.60	839.85	855.06	79.17	0.31	-120.33G
	6047.00	86.30	79.10	5353.13	885.97	166.14	870.29	886.01	79.19	4.48	135.07G
	6079.00	86.00	79.40	5355.28	917.90	172.09	901.66	917.94	79.19	1.32	14.62G
	6111.00	88.30	80.00	5356.87	949.86	177.81	933.10	949.89	79.21	7.43	39.80G
	6143.00	88.90	80.50	5357.65	981.85	183.22	964.63	981.88	79.25	2.44	-56.31G
	6174.00	89.10	80.20	5358.19	1012.84	188.42	995.19	1012.87	79.28	1.16	0.00G
	6206.00	89.80	80.20	5358.50	1044.84	193.87	1026.72	1044.86	79.31	2.19	0.00G
	6238.00	90.00	80.20	5358.56	1076.84	199.31	1058.25	1076.86	79.33	0.62	-66.80G
	6270.00	90.30	79.50	5358.47	1108.84	204.95	1089.75	1108.86	79.35	2.38	-18.43G
	6302.00	90.60	79.40	5358.22	1140.83	210.81	1121.21	1140.86	79.35	0.99	0.00G
	6334.00	90.60	79.40	5357.89	1172.83	216.70	1152.66	1172.85	79.35	0.00	0.00G
	6365.00	91.40	79.40	5357.35	1203.83	222.40	1183.13	1203.85	79.35	2.58	-153.44G

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	6397.00	91.00	79.20	5356.68	1235.82	228.34	1214.57	1235.84	79.35	1.40	-26.56G
	6429.00	91.40	79.00	5356.01	1267.81	234.39	1245.98	1267.84	79.35	1.40	68.19G
	6460.00	91.60	79.50	5355.19	1298.80	240.17	1276.43	1298.82	79.34	1.74	-14.03G
	6492.00	92.00	79.40	5354.19	1330.78	246.02	1307.87	1330.81	79.35	1.29	-90.00G
	6524.00	92.00	79.30	5353.07	1362.76	251.94	1339.30	1362.79	79.35	0.31	180.00G
	6556.00	91.70	79.30	5352.04	1394.74	257.87	1370.73	1394.77	79.35	0.94	-135.01G
	6588.00	91.60	79.20	5351.12	1426.73	263.84	1402.15	1426.76	79.34	0.44	-163.30G
	6619.00	90.60	78.90	5350.52	1457.72	269.73	1432.58	1457.75	79.34	3.37	-153.43G
	6651.00	90.20	78.70	5350.30	1489.72	275.94	1463.97	1489.75	79.33	1.40	-116.56G
	6681.00	90.10	78.50	5350.22	1519.71	281.87	1493.38	1519.75	79.31	0.75	-90.00G
	6713.00	90.10	78.00	5350.17	1551.70	288.39	1524.71	1551.74	79.29	1.56	63.43G
	6745.00	90.20	78.20	5350.08	1583.69	294.99	1556.02	1583.74	79.27	0.70	-59.03G
	6776.00	90.50	77.70	5349.89	1614.67	301.46	1586.34	1614.73	79.24	1.88	-90.00G
	6808.00	90.50	77.30	5349.61	1646.65	308.38	1617.58	1646.71	79.21	1.25	180.00G
	6840.00	90.40	77.30	5349.36	1678.62	315.42	1648.79	1678.69	79.17	0.31	0.00G
	6872.00	91.00	77.30	5348.97	1710.59	322.45	1680.01	1710.67	79.14	1.87	-146.31G
	6904.00	90.40	76.90	5348.58	1742.55	329.60	1711.20	1742.65	79.10	2.25	71.56G
	6935.00	90.50	77.20	5348.34	1773.52	336.54	1741.41	1773.63	79.06	1.02	105.94G
	6967.00	90.30	77.90	5348.11	1805.49	343.44	1772.65	1805.62	79.04	2.27	44.99G
	6999.00	91.00	78.60	5347.75	1837.48	349.96	1803.98	1837.61	79.02	3.09	135.00G
	7031.00	90.90	78.70	5347.22	1869.47	356.26	1835.35	1869.61	79.02	0.44	-163.45G
	7063.00	87.20	77.60	5347.75	1901.45	362.82	1866.66	1901.59	79.00	12.06	-174.58G
	7095.00	85.10	77.40	5349.90	1933.35	369.73	1897.83	1933.51	78.98	6.59	26.49G
	7127.00	85.30	77.50	5352.58	1965.21	376.66	1928.95	1965.39	78.95	0.70	-44.91G
	7158.00	85.40	77.40	5355.09	1996.09	383.38	1959.11	1996.27	78.93	0.46	180.00G
	7190.00	85.20	77.40	5357.71	2027.95	390.33	1990.24	2028.15	78.90	0.62	26.49G
	7222.00	85.40	77.50	5360.33	2059.82	397.26	2021.37	2060.04	78.88	0.70	-56.24G
	7254.00	85.60	77.20	5362.84	2091.70	404.25	2052.50	2091.93	78.86	1.12	90.00G
	7286.00	85.60	77.30	5365.30	2123.57	411.29	2083.62	2123.82	78.83	0.31	-26.52G
	7318.00	86.20	77.00	5367.59	2155.46	418.39	2114.73	2155.72	78.81	2.10	164.10G
	7350.00	85.50	77.20	5369.90	2187.34	425.52	2145.84	2187.63	78.78	2.27	131.32G
	7381.00	84.80	78.00	5372.52	2218.21	432.15	2176.01	2218.51	78.77	3.42	44.90G
	7413.00	85.10	78.30	5375.34	2250.07	438.69	2207.21	2250.38	78.76	1.32	-104.10G
	7445.00	85.00	77.90	5378.10	2281.94	445.27	2238.40	2282.26	78.75	1.28	110.67G
	7477.00	84.70	78.70	5380.97	2313.80	451.73	2269.61	2314.13	78.74	2.66	-116.67G
	7509.00	84.60	78.50	5383.96	2345.66	458.03	2300.84	2345.99	78.74	0.70	116.68G
	7541.00	84.50	78.70	5387.00	2377.51	464.33	2332.07	2377.85	78.74	0.70	153.55G
	7573.00	84.30	78.80	5390.12	2409.35	470.54	2363.31	2409.69	78.74	0.70	0.00G
Projected TD	7649.00	84.30	78.80	5397.67	2484.96	485.23	2437.49	2485.32	78.74	0.00	0.00G