

Survey Report

Report Date: April 13, 2005	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Nearburg Producing Company	Vertical Section Azimuth: 101.310°
Field: Eddy County, NM	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Mckittrick 11 Fed #8 / Mckittrick 11 Fed #8	TVD Reference Datum: RKB
Well: Mckittrick 11 Fed #8	TVD Reference Elevation: 0.0 ft relative to
Borehole: Mckittrick 11 Fed #8	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 8.726°
Survey Name / Date: 11-8_surveys / March 31, 2005	Total Field Strength: 49277.405 nT
Tort / AHD / DDI / ERD ratio: 40.437° / 269.15 ft / 4.037 / 0.032	Magnetic Dip: 60.340°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: March 31, 2005
Location Lat/Long: N 32 24 12.731, W 104 27 47.194	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 510545.300 ftUS, E 459947.300 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.06954431°	Total Corr Mag North -> Grid North: +8.796°
Grid Scale Factor: 0.99991093	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	3930.00	2.90	333.60	3928.59	32.28	45.84	42.09	62.23	42.55	0.00	-30.00M
	3992.00	3.30	330.00	3990.50	30.14	48.79	40.50	63.41	39.69	0.72	-31.90M
	4015.00	3.40	328.10	4013.46	29.24	49.94	39.81	63.87	38.55	0.65	-35.90M
	4046.00	3.30	324.10	4044.41	27.95	51.45	38.80	64.44	37.02	0.82	-42.50M
	4077.00	2.90	317.50	4075.36	26.67	52.75	37.74	64.86	35.58	1.73	-46.80M
	4109.00	2.40	313.20	4107.33	25.44	53.80	36.71	65.13	34.30	1.68	-49.10M
	4141.00	1.90	310.90	4139.31	24.41	54.61	35.82	65.31	33.26	1.59	-53.10M
	4173.00	1.50	306.90	4171.29	23.57	55.21	35.08	65.41	32.43	1.30	-56.60M
	4204.00	1.20	303.40	4202.28	22.91	55.63	34.49	65.45	31.80	1.00	-60.50M
	4236.00	1.10	299.50	4234.28	22.30	55.97	33.94	65.45	31.23	0.40	-71.00M
	4266.00	1.00	289.00	4264.27	21.77	56.19	33.44	65.39	30.76	0.72	-83.20M
	4297.00	0.80	276.80	4295.27	21.29	56.31	32.97	65.25	30.35	0.89	-121.60M
	4328.00	1.00	238.40	4326.27	20.87	56.19	32.53	64.93	30.06	2.00	-140.10M
	4360.00	1.10	219.90	4358.26	20.52	55.81	32.09	64.38	29.90	1.10	-160.60M
	4391.00	0.80	199.40	4389.26	20.35	55.38	31.83	63.87	29.89	1.45	157.00M
	4423.00	0.60	157.00	4421.25	20.41	55.01	31.82	63.55	30.05	1.69	121.80M
	4454.00	0.80	121.80	4452.25	20.71	54.75	32.07	63.45	30.36	1.50	116.20M
	4485.00	1.00	116.20	4483.25	21.17	54.52	32.49	63.46	30.80	0.70	113.10M
	4516.00	1.50	113.10	4514.24	21.83	54.24	33.11	63.54	31.40	1.63	113.70M
	4548.00	1.80	113.70	4546.23	22.73	53.87	33.96	63.68	32.22	0.94	109.20M
	4578.00	2.00	109.20	4576.21	23.71	53.51	34.88	63.87	33.10	0.83	109.30M
	4610.00	2.20	109.30	4608.19	24.87	53.12	35.99	64.16	34.12	0.63	109.20M
	4641.00	2.50	109.20	4639.16	26.13	52.70	37.19	64.50	35.21	0.97	110.40M
	4672.00	3.00	110.40	4670.13	27.60	52.20	38.59	64.91	36.47	1.62	114.60M
	4704.00	3.30	114.60	4702.08	29.32	51.52	40.21	65.36	37.97	1.18	118.90M
	4736.00	3.20	118.90	4734.03	31.07	50.71	41.83	65.73	39.52	0.82	123.60M
	4799.00	2.90	123.60	4796.94	34.22	48.98	44.70	66.31	42.38	0.62	125.70M
	4831.00	2.80	125.70	4828.90	35.68	48.07	46.00	66.54	43.74	0.45	129.40M
	4863.00	3.00	129.40	4860.86	37.13	47.08	47.29	66.73	45.12	0.86	127.60M
	4894.00	3.20	127.60	4891.81	38.63	46.04	48.60	66.95	46.55	0.72	122.90M
	4926.00	3.50	122.90	4923.76	40.33	44.97	50.13	67.34	48.11	1.27	119.70M
	4957.00	3.80	119.70	4954.69	42.19	43.94	51.81	67.94	49.70	1.17	115.90M
	4988.00	3.80	115.90	4985.63	44.16	42.99	53.63	68.73	51.29	0.81	116.60M
	5019.00	3.60	116.60	5016.56	46.09	42.10	55.42	69.60	52.78	0.66	112.40M
	5051.00	3.70	112.40	5048.50	48.07	41.26	57.28	70.59	54.23	0.89	115.00M
	5082.00	3.70	115.00	5079.43	50.03	40.45	59.11	71.63	55.61	0.54	119.50M
	5115.00	3.30	119.50	5112.37	51.96	39.54	60.90	72.61	57.01	1.47	119.90M
	5146.00	2.90	119.90	5143.33	53.55	38.71	62.36	73.39	58.17	1.29	118.80M
	5177.00	3.00	118.80	5174.28	55.07	37.92	63.75	74.17	59.25	0.37	119.90M
	5209.00	3.20	119.90	5206.24	56.72	37.08	65.25	75.05	60.40	0.65	119.00M

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)
	5240.00	3.70	119.00	5237.18	58.49	36.16	66.88	76.03	61.60	1.62	117.90M
	5272.00	4.00	117.90	5269.11	60.54	35.14	68.77	77.23	62.94	0.97	116.60M
	5303.00	4.20	116.60	5300.03	62.67	34.12	70.74	78.54	64.25	0.71	114.90M
	5333.00	4.10	114.90	5329.95	64.78	33.18	72.69	79.91	65.47	0.53	114.60M
	5365.00	3.90	114.60	5361.87	66.95	32.24	74.72	81.38	66.66	0.63	114.60M
	5394.00	3.60	114.60	5390.81	68.79	31.45	76.45	82.66	67.63	1.03	114.00M
	5426.00	3.50	114.00	5422.75	70.72	30.64	78.25	84.04	68.62	0.33	114.10M
	5456.00	3.60	114.10	5452.69	72.54	29.88	79.95	85.35	69.51	0.33	114.60M
	5488.00	3.50	114.60	5484.63	74.47	29.07	81.75	86.77	70.43	0.33	115.50M
	5520.00	3.40	115.50	5516.57	76.34	28.25	83.50	88.15	71.31	0.36	117.00M
	5551.00	3.40	117.00	5547.52	78.11	27.44	85.15	89.46	72.14	0.29	120.90M
	5583.00	3.20	120.90	5579.46	79.87	26.55	86.76	90.73	72.99	0.94	120.80M
	5615.00	3.50	120.80	5611.41	81.63	25.59	88.36	91.99	73.85	0.94	119.40M
	5646.00	3.80	119.40	5642.35	83.50	24.60	90.07	93.37	74.72	1.01	116.90M
	5678.00	4.00	116.90	5674.27	85.58	23.57	91.99	94.96	75.63	0.82	114.90M
	5709.00	4.20	114.90	5705.19	87.73	22.61	93.99	96.67	76.47	0.79	114.20M
	5741.00	4.20	114.20	5737.11	90.01	21.63	96.12	98.52	77.32	0.16	114.10M
	5773.00	4.00	114.10	5769.03	92.24	20.70	98.20	100.36	78.10	0.63	114.70M
	5805.00	3.70	114.70	5800.95	94.33	19.81	100.16	102.10	78.81	0.95	116.20M
	5836.00	3.50	116.20	5831.89	96.22	18.97	101.92	103.67	79.45	0.71	118.20M
	5868.00	3.70	118.20	5863.83	98.15	18.06	103.71	105.27	80.12	0.74	117.50M
	5900.00	3.80	117.50	5895.76	100.16	17.08	105.56	106.93	80.81	0.34	118.50M
	5963.00	3.90	118.50	5958.62	104.21	15.09	109.29	110.33	82.14	0.19	119.00M
	6027.00	3.60	119.00	6022.48	108.20	13.08	112.96	113.72	83.40	0.47	119.60M
	6058.00	3.50	119.60	6053.42	110.03	12.14	114.63	115.28	83.95	0.34	121.00M
	6089.00	3.60	121.00	6084.36	111.84	11.17	116.29	116.83	84.51	0.43	120.50M
	6120.00	3.60	120.50	6115.30	113.68	10.18	117.96	118.40	85.07	0.10	118.70M
	6151.00	3.60	118.70	6146.24	115.53	9.21	119.66	120.01	85.60	0.36	114.40M
	6181.00	3.70	114.40	6176.18	117.37	8.36	121.36	121.65	86.06	0.97	107.70M
	6217.00	4.00	107.70	6212.10	119.75	7.50	123.62	123.85	86.53	1.50	107.30M
	6249.00	4.20	107.30	6244.02	122.02	6.81	125.80	125.98	86.90	0.63	106.30M
	6280.00	4.00	106.30	6274.94	124.23	6.17	127.92	128.07	87.24	0.69	107.90M
	6312.00	4.00	107.90	6306.86	126.45	5.52	130.06	130.17	87.57	0.35	107.30M
	6343.00	4.30	107.30	6337.78	128.68	4.84	132.19	132.28	87.90	0.98	106.70M
	6406.00	4.30	106.70	6400.60	133.38	3.46	136.71	136.75	88.55	0.07	107.70M
	6467.00	4.10	107.70	6461.44	137.82	2.14	140.98	141.00	89.13	0.35	109.40M
	6529.00	3.70	109.40	6523.29	142.01	0.80	144.98	144.98	89.68	0.67	116.00M
	6593.00	3.00	116.00	6587.18	145.67	-0.62	148.43	148.43	90.24	1.25	129.80M
	6652.00	3.90	129.80	6646.08	148.93	-2.58	151.36	151.38	90.98	2.07	117.20M
	6715.00	4.10	117.20	6708.92	152.98	-4.98	155.01	155.09	91.84	1.43	112.90M
	6778.00	3.30	112.90	6771.79	156.92	-6.72	158.68	158.82	92.42	1.34	124.10M
	6842.00	3.70	124.10	6835.67	160.63	-8.59	162.09	162.32	93.03	1.23	120.20M
	6873.00	3.90	120.20	6866.61	162.55	-9.68	163.83	164.11	93.38	1.05	117.00M
	6937.00	4.30	117.00	6930.44	166.92	-11.87	167.85	168.27	94.04	0.72	120.90M
	7000.00	4.10	120.90	6993.27	171.31	-14.10	171.88	172.46	94.69	0.55	107.30M
	7063.00	3.90	107.30	7056.12	175.56	-15.89	175.86	176.58	95.16	1.54	109.50M
	7127.00	4.40	109.50	7119.95	180.16	-17.36	180.26	181.09	95.50	0.82	102.50M
	7189.00	4.20	102.50	7181.78	184.78	-18.64	184.71	185.65	95.76	0.91	105.60M
	7252.00	3.90	105.60	7244.62	189.23	-19.72	189.03	190.06	95.96	0.59	110.00M
	7315.00	3.30	110.00	7307.50	193.15	-20.92	192.80	193.93	96.19	1.05	120.50M
	7346.00	3.70	120.50	7338.44	194.98	-21.73	194.50	195.71	96.37	2.43	124.70M
	7409.00	3.70	124.70	7401.31	198.77	-23.92	197.92	199.36	96.89	0.43	123.60M
	7473.00	4.10	123.60	7465.16	202.78	-26.36	201.52	203.24	97.45	0.64	130.10M
	7535.00	4.00	130.10	7527.01	206.73	-28.98	205.02	207.06	98.04	0.76	115.80M
	7598.00	4.20	115.80	7589.85	210.88	-31.40	208.78	211.13	98.55	1.65	115.60M

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)
Last MWD Survey	7659.00	4.60	115.60	7650.67	215.42	-33.43	213.00	215.61	98.92	0.66	113.50M
	7723.00	4.00	113.50	7714.49	220.09	-35.43	217.36	220.23	99.26	0.97	113.10M
	7786.00	5.60	113.10	7777.26	225.24	-37.51	222.20	225.35	99.58	2.54	-132.32G
	7850.00	5.30	109.40	7840.97	231.23	-39.72	227.86	231.30	99.89	0.72	105.42G
	7913.00	5.20	114.10	7903.71	236.89	-41.85	233.21	236.94	100.17	0.70	167.62G
	7945.00	4.40	116.40	7935.60	239.49	-42.99	235.64	239.53	100.34	2.57	122.80M
	8009.00	3.20	122.80	7999.46	243.52	-45.04	239.34	243.54	100.66	1.99	126.70M
	8070.00	3.60	126.70	8060.35	246.84	-47.11	242.30	246.84	101.00	0.76	121.80M
	8133.00	3.20	121.80	8123.24	250.27	-49.22	245.38	250.27	101.34	0.78	102.60M
	8385.00	2.40	102.60	8374.94	262.14	-54.08	256.51	262.15	101.90	0.48	102.60M
TD	8430.00	2.40	102.60	8419.90	264.02	-54.49	258.35	264.03	101.91	0.00	0.00M