



Survey Report

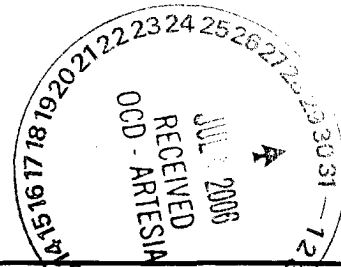
Report Date: July 20, 2006 Client: Oxy USA, Inc. Field: Eddy County, NM Structure / Slot: Mckittrick 24 Fed #3 / Mckittrick 24 Fed #3 Well: Mckittrick 24 Fed #3 Borehole: Mckittrick 24 Fed #3 UW/API#: Survey Name / Date: Mckittrick 24-3_surveys / December 30, 2005 Tort / AHD / DDI / ERD ratio: 85.643° / 3005.77 ft / 5.451 / 0.384 Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet Location Lat/Long: N 32 22 58.243, W 104 26 51.777 Location Grid N/E Y/X: N 503012.900 fUS, E 464690.100 fUS Grid Convergence Angle: -0.06126042° Grid Scale Factor: 0.99991052	Survey / DLS Computation Method: Minimum Curvature Cubinski Vertical Section Azimuth: 169.700° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 0.0 ft relative to Sea Bed / Ground Level Elevation: 0.000 ft relative to Magnetic Declination: 8.629° Total Field Strength: 49195.231 nT Magnetic Dip: 60.310° Declination Date: December 30, 2005 Magnetic Declination Model: IGRF 2005 North Reference: Grid North Total Corr Mag North -> Grid North: +8.690° Local Coordinates Referenced To: Well Head
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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	1790.00	3.15	136.75	1788.24	47.58	-41.13	39.78	57.22	135.95	0.00	127.40M
	1822.00	3.00	127.40	1820.20	48.94	-42.28	41.05	58.93	135.85	1.63	132.70M
	1853.00	3.10	132.70	1851.15	50.21	-43.34	42.31	60.57	135.69	0.96	136.50M
	1885.00	3.70	136.50	1883.10	51.76	-44.68	43.66	62.47	135.66	2.00	145.50M
	1916.00	4.40	145.50	1914.02	53.68	-46.38	45.02	64.64	135.85	3.04	153.50M
	1947.00	4.90	153.50	1944.92	56.04	-48.55	46.28	67.07	136.37	2.64	161.80M
	1978.00	5.50	161.80	1975.79	58.78	-51.14	47.34	69.69	137.21	3.10	38.07G
	2009.00	6.10	166.10	2006.63	61.90	-54.15	48.20	72.50	138.33	2.39	19.10G
	2041.00	6.60	167.60	2038.44	65.43	-57.60	49.00	75.62	139.61	1.65	22.09G
	2073.00	7.40	170.10	2070.20	69.33	-61.43	49.75	79.05	141.00	2.67	70.49G
	2104.00	7.60	174.00	2100.93	73.37	-65.43	50.31	82.54	142.44	1.76	13.88G
	2136.00	8.50	175.50	2132.62	77.84	-69.89	50.72	86.36	144.04	2.89	-22.99G
	2167.00	9.10	173.90	2163.25	82.56	-74.62	51.16	90.47	145.57	2.09	-41.40G
	2199.00	9.40	172.30	2194.84	87.69	-79.72	51.77	95.06	147.00	1.23	62.29G
	2230.00	10.00	178.30	2225.39	92.88	-84.92	52.19	99.68	148.42	3.79	-85.67G
	2260.00	10.70	161.20	2254.91	98.22	-90.16	53.17	104.67	149.47	10.46	71.60G
	2291.00	11.30	168.90	2285.34	104.10	-95.87	54.68	110.37	150.30	5.11	15.00G
	2323.00	12.00	169.80	2316.68	110.56	-102.22	55.87	116.49	151.34	2.26	14.13G
	2354.00	12.70	170.60	2346.97	117.19	-108.75	57.00	122.78	152.34	2.32	-46.01G
	2385.00	13.10	168.80	2377.18	124.11	-115.56	58.24	129.41	153.25	1.83	3.90G
	2417.00	13.80	169.00	2408.31	131.55	-122.86	59.67	136.59	154.10	2.19	-10.15G
	2449.00	14.50	168.50	2439.34	139.37	-130.54	61.20	144.17	154.88	2.22	-27.47G
	2480.00	15.00	167.50	2469.31	147.26	-138.26	62.84	151.87	155.56	1.81	-3.16G
	2512.00	16.00	167.30	2500.15	155.81	-146.60	64.71	160.25	156.18	3.13	36.66G
	2544.00	16.50	168.60	2530.87	164.76	-155.36	66.57	169.02	156.80	1.93	-8.37G
	2575.00	17.10	168.30	2560.55	173.72	-164.14	68.37	177.81	157.39	1.96	24.85G
	2606.00	17.90	169.50	2590.11	183.04	-173.28	70.16	186.95	157.96	2.83	17.36G
	2638.00	18.20	169.80	2620.54	192.95	-183.04	71.94	196.67	158.54	0.98	19.95G
	2670.00	19.20	170.90	2650.85	203.21	-193.15	73.66	206.72	159.13	3.31	-5.92G
	2702.00	20.20	170.60	2680.98	213.99	-203.80	75.39	217.30	159.70	3.14	-23.78G
	2733.00	20.60	170.10	2710.03	224.80	-214.45	77.21	227.93	160.20	1.41	0.00G
	2765.00	21.50	170.10	2739.90	236.29	-225.77	79.18	239.26	160.67	2.81	-27.75G
	2797.00	22.00	169.40	2769.62	248.15	-237.44	81.29	250.97	161.10	1.76	-20.97G
	2828.00	22.50	168.90	2798.31	259.89	-248.97	83.50	262.60	161.46	1.72	-25.98G
	2860.00	22.90	168.40	2827.83	272.23	-261.08	85.93	274.86	161.78	1.39	-3.80G
	2892.00	23.50	168.30	2857.24	284.84	-273.42	88.48	287.38	162.07	1.88	22.42G
	2924.00	24.30	169.10	2886.50	297.80	-286.14	91.02	300.26	162.35	2.70	-30.50G
	2956.00	24.80	168.40	2915.61	311.09	-299.18	93.61	313.48	162.62	1.81	23.26G

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)
	2987.00	25.40	169.00	2943.68	324.24	-312.07	96.19	326.56	162.87	2.10	12.46G
	3019.00	26.20	169.40	2972.49	338.17	-325.75	98.80	340.40	163.13	2.56	3.70G
	3051.00	26.90	169.50	3001.11	352.47	-339.81	101.42	354.62	163.38	2.19	12.92G
	3082.00	27.30	169.70	3028.71	366.59	-353.70	103.97	368.67	163.62	1.32	31.22G
	3114.00	28.00	170.60	3057.06	381.44	-368.33	106.50	383.42	163.87	2.55	-7.81G
	3146.00	28.70	170.40	3085.22	396.64	-383.32	109.01	398.52	164.12	2.21	-4.01G
	3178.00	29.40	170.30	3113.19	412.17	-398.64	111.62	413.97	164.36	2.19	23.30G
	3241.00	30.10	170.90	3167.89	443.43	-429.48	116.72	445.06	164.80	1.21	-45.60G
	3303.00	30.50	170.10	3221.42	474.71	-460.33	121.89	476.19	165.17	0.92	-11.81G
	3367.00	31.50	169.70	3276.28	507.67	-492.78	127.67	509.05	165.48	1.60	81.46G
	3430.00	31.60	170.90	3329.96	540.63	-525.27	133.22	541.91	165.77	1.01	165.57G
	3493.00	31.00	171.20	3383.80	573.35	-557.61	138.31	574.50	166.07	0.98	34.77G
	3525.00	31.30	171.60	3411.18	589.90	-573.97	140.79	590.99	166.22	1.14	-115.90G
	3588.00	31.20	171.20	3465.04	622.56	-606.29	145.68	623.54	166.49	0.37	-149.47G
	3651.00	29.70	169.40	3519.35	654.49	-637.76	151.04	655.40	166.68	2.79	56.24G
	3714.00	29.80	169.70	3574.05	685.75	-668.50	156.71	686.62	166.81	0.28	-45.22G
	3777.00	30.10	169.10	3628.63	717.20	-699.41	162.50	718.04	166.92	0.67	45.47G
	3840.00	30.40	169.70	3683.06	748.94	-730.61	168.34	749.75	167.03	0.68	-70.76G
	3903.00	30.60	168.60	3737.34	780.91	-762.01	174.36	781.70	167.11	0.94	180.00G
	3966.00	29.90	168.60	3791.76	812.64	-793.12	180.63	813.43	167.17	1.11	-161.95G
	4030.00	29.30	168.20	3847.41	844.24	-824.09	186.99	845.04	167.22	0.99	170.91G
	4093.00	28.70	168.40	3902.51	874.78	-854.00	193.18	875.57	167.25	0.96	-154.43G
	4157.00	28.60	168.30	3958.67	905.45	-884.05	199.38	906.25	167.29	0.17	-23.70G
	4220.00	29.50	167.50	4013.75	936.03	-913.96	205.79	936.84	167.31	1.56	124.44G
	4282.00	29.30	168.10	4067.76	966.45	-943.71	212.22	967.28	167.33	0.57	-160.09G
	4346.00	28.90	167.80	4123.68	997.56	-974.15	218.72	998.40	167.35	0.67	124.62G
	4409.00	28.20	170.00	4179.02	1027.66	-1003.69	224.52	1028.49	167.39	2.00	136.89G
	4472.00	28.00	170.40	4234.60	1057.33	-1032.93	229.57	1058.13	167.47	0.44	-67.69G
	4536.00	28.30	168.90	4291.03	1087.52	-1062.63	235.00	1088.30	167.53	1.20	-13.51G
	4598.00	28.70	168.70	4345.52	1117.10	-1091.65	240.75	1117.88	167.56	0.66	21.34G
	4660.00	29.20	169.10	4399.77	1147.11	-1121.10	246.52	1147.88	167.60	0.86	122.97G
	4724.00	28.80	170.40	4455.74	1178.14	-1151.63	252.05	1178.89	167.65	1.17	97.72G
	4787.00	28.70	172.10	4510.98	1208.43	-1181.58	256.66	1209.13	167.74	1.31	25.97G
	4851.00	29.10	172.50	4567.01	1239.32	-1212.23	260.80	1239.96	167.86	0.69	90.00G
	4914.00	29.10	172.60	4622.06	1269.93	-1242.61	264.77	1270.50	167.97	0.08	-121.20G
	4978.00	28.70	171.20	4678.09	1300.83	-1273.23	269.13	1301.36	168.06	1.23	6.93G
	5041.00	29.10	171.30	4733.24	1331.27	-1303.32	273.76	1331.76	168.14	0.64	-148.66G
	5104.00	28.40	170.40	4788.47	1361.56	-1333.24	278.58	1362.03	168.20	1.31	147.92G
	5167.00	28.10	170.80	4843.97	1391.38	-1362.65	283.45	1391.82	168.25	0.56	120.68G
	5230.00	27.80	171.90	4899.62	1420.89	-1391.85	287.89	1421.31	168.31	0.95	67.30G
	5292.00	28.00	172.90	4954.42	1449.87	-1420.60	291.72	1450.25	168.40	0.82	-125.55G
	5356.00	27.90	172.60	5010.95	1479.82	-1450.36	295.51	1480.16	168.48	0.27	-90.00G
	5419.00	27.90	172.30	5066.63	1509.27	-1479.58	299.38	1509.57	168.56	0.22	-15.86G
	5482.00	29.10	171.60	5121.99	1539.31	-1509.35	303.60	1539.58	168.63	1.98	-154.78G
	5546.00	28.20	170.70	5178.16	1569.98	-1539.67	308.31	1570.23	168.68	1.56	-25.69G
	5609.00	28.70	170.20	5233.55	1599.99	-1569.26	313.29	1600.23	168.71	0.88	132.19G
	5672.00	28.40	170.90	5288.89	1630.10	-1598.96	318.24	1630.32	168.74	0.71	154.64G
	5736.00	28.30	171.00	5345.21	1660.48	-1628.97	323.02	1660.69	168.78	0.17	31.03G
	5799.00	28.70	171.50	5400.58	1690.53	-1658.68	327.59	1690.73	168.83	0.74	-11.74G
	5863.00	29.90	171.00	5456.39	1721.84	-1689.64	332.36	1722.02	168.87	1.91	-123.94G
	5926.00	29.80	170.70	5511.03	1753.19	-1720.60	337.34	1753.36	168.91	0.29	-104.09G
	5990.00	29.60	169.00	5566.62	1784.89	-1751.81	342.93	1785.06	168.92	1.35	142.24G
	6053.00	29.10	169.80	5621.54	1815.77	-1782.16	348.61	1815.94	168.93	1.01	162.20G
	6116.00	28.80	170.00	5676.66	1846.27	-1812.18	353.96	1846.43	168.95	0.50	160.38G
	6179.00	28.40	170.30	5731.98	1876.42	-1841.89	359.12	1876.58	168.97	0.67	99.17G

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)
	6242.00	28.30	171.70	5787.42	1906.33	-1871.44	363.80	1906.47	169.00	1.07	52.63G
	6305.00	28.90	173.30	5842.74	1936.45	-1901.34	367.73	1936.57	169.05	1.54	-120.98G
	6398.00	28.70	172.60	5924.23	1981.18	-1945.80	373.23	1981.27	169.14	0.42	-90.00G
	6431.00	28.70	171.70	5953.18	1997.01	-1961.50	375.39	1997.10	169.17	1.31	48.70G
	6494.00	29.00	172.40	6008.36	2027.38	-1991.61	379.60	2027.46	169.21	0.72	90.00G
	6558.00	29.00	173.30	6064.34	2058.36	-2022.39	383.46	2058.42	169.26	0.68	-162.42G
	6621.00	28.40	172.90	6119.60	2088.56	-2052.43	387.09	2088.61	169.32	1.00	-43.70G
	6685.00	28.50	172.70	6175.87	2119.01	-2082.67	390.91	2119.04	169.37	0.22	-65.96G
	6749.00	28.90	170.90	6232.00	2149.72	-2113.09	395.30	2149.75	169.40	1.49	13.67G
	6812.00	29.10	171.00	6287.11	2180.26	-2143.25	400.10	2180.28	169.43	0.33	90.00G
	6875.00	29.10	171.20	6342.15	2210.89	-2173.52	404.85	2210.91	169.45	0.15	-51.18G
	6938.00	29.50	170.20	6397.09	2241.71	-2203.95	409.83	2241.73	169.47	1.00	90.00G
	7002.00	29.50	170.50	6452.80	2273.22	-2235.02	415.11	2273.24	169.48	0.23	-120.50G
	7065.00	29.30	169.80	6507.68	2304.15	-2265.49	420.40	2304.16	169.49	0.63	135.75G
	7129.00	29.20	170.00	6563.52	2335.42	-2296.28	425.89	2335.44	169.49	0.22	18.35G
	7186.00	29.80	170.40	6613.13	2363.49	-2323.93	430.66	2363.50	169.50	1.11	-173.18G
	7249.00	28.60	170.10	6668.13	2394.22	-2354.22	435.87	2394.23	169.51	1.92	-60.93G
	7312.00	28.90	169.00	6723.36	2424.52	-2384.02	441.36	2424.53	169.51	0.97	71.26G
	7376.00	29.00	169.60	6779.36	2455.50	-2414.46	447.11	2455.51	169.51	0.48	100.29G
	7440.00	28.90	170.80	6835.37	2486.48	-2444.99	452.39	2486.49	169.52	0.92	180.00G
	7502.00	28.80	170.80	6889.67	2516.39	-2474.52	457.17	2516.40	169.53	0.16	-39.81G
	7565.00	29.70	169.30	6944.64	2547.17	-2504.84	462.49	2547.18	169.54	1.84	-100.89G
	7628.00	29.60	168.20	6999.39	2578.33	-2535.40	468.57	2578.34	169.53	0.88	106.46G
	7691.00	29.50	168.90	7054.20	2609.39	-2565.85	474.74	2609.40	169.52	0.57	0.00G
	7786.00	29.50	168.90	7136.88	2656.17	-2611.76	483.75	2656.18	169.51	0.00	-174.64G
	7849.00	28.00	168.60	7192.11	2686.46	-2641.48	489.66	2686.48	169.50	2.39	149.58G
	7913.00	27.30	169.50	7248.80	2716.16	-2670.64	495.30	2716.18	169.49	1.27	10.72G
	7976.00	29.10	170.20	7304.32	2745.93	-2699.94	500.54	2745.95	169.50	2.90	0.00G
	8008.00	29.20	170.20	7332.27	2761.52	-2715.30	503.20	2761.53	169.50	0.31	-45.22G
	8071.00	29.90	168.80	7387.08	2792.58	-2745.85	508.86	2792.60	169.50	1.56	153.82G
	8135.00	29.50	169.20	7442.67	2824.29	-2776.97	514.91	2824.31	169.50	0.70	44.69G
	8197.00	29.60	169.40	7496.60	2854.87	-2807.02	520.59	2854.89	169.49	0.23	40.15G
	8261.00	30.20	170.40	7552.08	2886.77	-2838.43	526.18	2886.79	169.50	1.22	0.00G
	8323.00	31.00	170.40	7605.45	2918.33	-2869.55	531.45	2918.34	169.51	1.29	9.91G
	8387.00	31.60	170.60	7660.14	2951.57	-2902.34	536.93	2951.59	169.52	0.95	-6.81G
	8450.00	32.50	170.40	7713.53	2985.00	-2935.31	542.45	2985.01	169.53	1.44	-157.98G
	8514.00	31.10	169.30	7767.92	3018.72	-2968.51	548.39	3018.74	169.53	2.37	169.70G
TD	8577.00	30.00	169.70	7822.18	3050.75	-2999.99	554.23	3050.76	169.53	1.78	0.00G

Survey Report

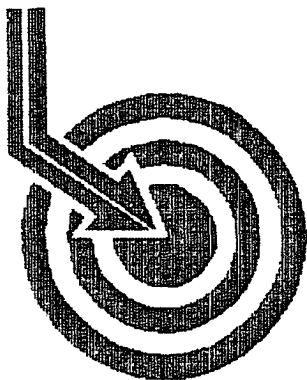


Report Date: July 20, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Oxy USA, Inc.	Vertical Section Azimuth: 166.720°
Field: Eddy County, NM	Vertical Section Origin: N 0.0009, E 0.0000 ft
Structure / Slot: Mckittrick 24 Fed #3 / Mckittrick 24 Fed #3	TVD Reference Datum: RKB
Well: Mckittrick 24 Fed #3	TVD Reference Elevation: 0.0 ft relative to
Borehole: Mckittrick 24 Fed #3	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UW/API#:	Magnetic Declination: 8.618°
Survey Name / Date: Mckittrick 24-3_sidetrack / February 2, 2006	Total Field Strength: 49186.363 nT
Tort / AHD / DDI / ERD ratio: 36.551° / 430.32 ft / 4.236 / 0.052	Magnetic Dip: 60.308°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: February 02, 2006
Location Lat/Long: N 32 22 58.243, W 104 26 51.777	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/X: N 503012.900 ftUS, E 464690.100 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.06126042°	Total Corr Mag North -> Grid North: +8.679°
Grid Scale Factor: 0.99991052	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	8000.00	29.31	171.01	7330.87	2739.38	-2710.63	440.71	2746.22	170.77	0.00	-53.18G
	8032.00	30.20	168.70	7358.65	2755.23	-2726.26	443.51	2762.10	170.76	4.54	-153.61G
	8074.00	29.80	168.30	7395.03	2776.22	-2746.84	447.70	2783.08	170.74	1.06	-103.43G
	8105.00	29.50	165.50	7421.97	2791.56	-2761.77	451.17	2798.38	170.72	4.57	-113.10G
	8120.00	29.10	163.50	7435.05	2798.89	-2768.84	453.13	2805.68	170.71	7.05	-90.00G
	8135.00	29.10	161.80	7448.16	2806.17	-2775.81	455.31	2812.90	170.68	5.51	-95.95G
	8150.00	29.00	159.40	7461.27	2813.41	-2782.67	457.72	2820.07	170.66	7.80	-73.91G
	8166.00	29.10	158.70	7475.26	2821.11	-2789.93	460.50	2827.68	170.63	2.21	-65.29G
	8181.00	29.40	157.40	7488.35	2828.35	-2796.73	463.24	2834.83	170.60	4.68	-26.30G
	8198.00	29.60	157.20	7503.14	2836.61	-2804.45	466.47	2842.98	170.56	1.31	-68.45G
	8213.00	29.80	156.20	7516.17	2843.93	-2811.28	469.41	2850.20	170.52	3.56	-85.74G
	8229.00	29.90	154.00	7530.05	2851.73	-2818.50	472.76	2857.87	170.48	6.87	-153.66G
	8244.00	29.70	153.80	7543.07	2859.00	-2825.19	476.04	2865.02	170.44	1.49	-127.60G
	8260.00	29.40	153.00	7556.98	2866.67	-2832.25	479.58	2872.56	170.39	3.10	180.00G
	8275.00	29.30	153.00	7570.06	2873.82	-2838.80	482.92	2879.58	170.35	0.67	-13.84G
	8292.00	29.50	152.90	7584.87	2881.92	-2846.23	486.71	2887.55	170.30	1.21	-90.00G
	8307.00	29.50	152.30	7597.93	2889.09	-2852.79	490.11	2894.58	170.25	1.97	36.67G
	8323.00	29.70	152.60	7611.84	2896.74	-2859.80	493.76	2902.11	170.20	1.56	0.00G
	8338.00	29.70	152.60	7624.87	2903.95	-2866.39	497.18	2909.19	170.16	0.00	-26.44G
	8355.00	29.80	152.50	7639.63	2912.13	-2873.88	501.07	2917.23	170.11	0.66	-90.00G
	8370.00	29.80	152.00	7652.64	2919.35	-2880.48	504.54	2924.33	170.06	1.66	90.00G
	8386.00	29.80	152.30	7666.53	2927.04	-2887.51	508.26	2931.90	170.02	0.93	-51.47G
	8401.00	30.00	151.80	7679.53	2934.28	-2894.11	511.76	2939.01	169.97	2.13	-135.13G
	8418.00	29.90	151.60	7694.26	2942.48	-2901.59	515.79	2947.07	169.92	0.83	30.71G
	8433.00	30.50	152.30	7707.22	2949.77	-2908.24	519.34	2954.25	169.88	4.64	-126.93G
	8448.00	30.20	151.50	7720.17	2957.10	-2914.93	522.90	2961.46	169.83	3.36	74.47G
	8463.00	30.30	152.20	7733.13	2964.40	-2921.59	526.47	2968.65	169.78	2.44	-123.79G
	8480.00	30.10	151.60	7747.82	2972.67	-2929.14	530.50	2976.79	169.73	2.13	180.00G
	8495.00	29.80	151.60	7760.82	2979.90	-2935.72	534.06	2983.91	169.69	2.00	166.21G
	8511.00	29.40	151.80	7774.73	2987.53	-2942.68	537.81	2991.42	169.64	2.58	-122.81G
	8526.00	29.00	150.50	7787.82	2994.58	-2949.09	541.34	2998.36	169.60	5.00	144.41G
	8542.00	28.60	151.10	7801.84	3001.99	-2955.82	545.10	3005.66	169.55	3.08	-121.22G
	8557.00	28.40	150.40	7815.02	3008.87	-2962.06	548.59	3012.44	169.51	2.60	165.14G
	8574.00	27.70	150.80	7830.03	3016.55	-2969.03	552.52	3020.00	169.46	4.26	-169.26G
	8589.00	26.30	150.20	7843.39	3023.09	-2974.96	555.87	3026.44	169.42	9.51	177.39G
	8605.00	25.36	150.30	7857.79	3029.78	-2981.01	559.33	3033.03	169.37	5.88	177.24G
	8620.00	24.50	150.40	7871.40	3035.84	-2986.50	562.46	3039.01	169.33	5.74	-169.70G
	8637.00	23.20	149.80	7886.94	3042.43	-2992.46	565.88	3045.50	169.29	7.78	171.87G

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)
	8652.00	22.40	150.10	7900.77	3048.00	-2997.49	568.79	3050.98	169.26	5.39	177.91G
	8668.00	21.40	150.20	7915.62	3053.72	-3002.67	571.77	3056.62	169.22	6.25	154.28G
	8683.00	20.60	151.30	7929.62	3058.88	-3007.36	574.39	3061.72	169.19	5.95	-120.20G
	8700.00	20.40	150.30	7945.54	3064.61	-3012.56	577.30	3067.37	169.15	2.37	173.56G
	8715.00	19.80	150.50	7959.63	3069.56	-3017.04	579.84	3072.25	169.12	4.03	-106.96G
	8731.00	19.70	149.50	7974.69	3074.73	-3021.72	582.55	3077.36	169.09	2.20	-135.31G
	8746.00	19.40	148.60	7988.82	3079.52	-3026.02	585.13	3082.08	169.06	2.83	-127.74G
	8763.00	19.10	147.40	8004.87	3084.82	-3030.78	588.10	3087.31	169.02	2.92	-117.68G
	8778.00	18.90	146.20	8019.06	3089.41	-3034.86	590.77	3091.83	168.98	2.93	-144.73G
	8794.00	18.20	144.60	8034.23	3094.16	-3039.05	593.66	3096.50	168.95	5.41	-99.35G
	8809.00	18.10	142.40	8048.48	3098.45	-3042.81	596.44	3100.71	168.91	4.62	-68.52G
	8826.00	18.20	141.60	8064.63	3103.26	-3046.98	599.70	3105.44	168.87	1.58	-74.39G
	8841.00	18.50	138.50	8078.87	3107.48	-3050.60	602.73	3109.57	168.82	6.81	-48.96G
	8857.00	18.90	137.10	8094.03	3111.97	-3054.40	606.18	3113.97	168.77	3.76	-72.98G
	8872.00	19.10	135.20	8108.21	3116.17	-3057.92	609.56	3118.08	168.73	4.33	-77.51G
	8889.00	19.30	132.70	8124.26	3120.87	-3061.80	613.58	3122.68	168.67	4.98	-111.38G
	8904.00	18.90	129.30	8138.44	3124.86	-3065.02	617.29	3126.56	168.61	7.88	-105.12G
	8920.00	18.70	126.80	8153.59	3128.88	-3068.20	621.34	3130.48	168.55	5.19	-82.81G
	8952.00	18.90	122.90	8183.88	3136.55	-3074.09	629.80	3137.94	168.42	3.98	-90.00G
	8967.00	18.90	119.80	8198.07	3139.97	-3076.61	633.95	3141.25	168.36	6.69	-30.13G
	8983.00	19.30	119.10	8213.19	3143.52	-3079.19	638.51	3144.69	168.28	2.88	90.00G
	8998.00	19.30	119.30	8227.35	3146.87	-3081.61	642.84	3147.94	168.22	0.44	0.00G

TD



Scientific Drilling



OCCIDENTAL PERMIAN LTD.

Field: McKittrick Hills
Site: Eddy County, NM
Well: McKittrick 24 Fed #3
Wellpath: 2VH - Job #32K0106090
Survey: 01/30/06

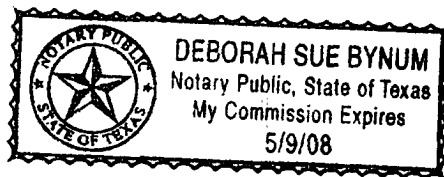
This survey is correct to the best of my knowledge
and is supported by actual field data.

[Signature].....Company Representative

Notorized this date 6th of March, 2006.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.	Date: 03/06/2006	Time: 18:51:31	Page: 1
Field: McKittrick Hills	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: McKittrick 24 Fed #3	Section (VS) Reference:	Well (0.00N,0.00E,169.70Azi)	
Wellpath: 2VH - Job #32K0106090	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 01/30/06	Start Date: 01/30/2006
Company: Scientific Drilling Internatio	Engineer: Gonzales/Madrid
Tool: Keeper, Keeper Surface Readout	Tied-to: User Defined

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChsD ft	ChsA deg
2512.00	16.00	167.30	250.15	155.81	-146.60	84.71	0.00	160.25	156.18
2512.00	16.00	167.30	250.15	155.81	-146.60	84.71	0.00	160.25	156.18
2550.00	16.50	169.81	286.63	166.44	-157.02	66.82	2.27	170.65	156.95
2600.00	17.46	170.13	334.45	181.04	-171.40	69.36	1.93	184.90	157.97
2650.00	18.20	170.97	382.05	196.35	-186.50	71.87	1.57	199.87	158.93
2700.00	19.96	171.40	429.30	212.68	-202.65	74.37	3.53	215.87	159.85
2750.00	21.47	171.28	476.07	230.36	-220.14	77.03	3.02	233.23	160.71
2800.00	21.87	170.13	522.53	248.82	-238.36	80.02	1.17	251.43	161.44
2850.00	22.69	170.11	568.80	267.78	-257.03	83.27	1.64	270.18	162.05
2900.00	23.64	170.09	614.77	287.45	-276.41	86.65	1.90	289.67	162.59
2950.00	24.43	169.97	660.43	307.81	-296.46	90.18	1.58	309.88	163.08
3000.00	25.65	170.24	705.73	328.97	-317.31	93.81	2.45	330.89	163.53
3050.00	26.81	170.87	750.58	351.07	-339.11	97.44	2.39	352.83	163.97
3100.00	27.27	171.39	795.12	373.79	-361.57	100.94	1.03	375.39	164.40
3150.00	28.86	171.91	839.24	397.30	-384.84	104.36	3.22	398.74	164.83
3200.00	29.55	172.27	882.88	421.67	-409.01	107.71	1.42	422.95	165.25
3250.00	30.23	172.20	926.23	446.57	-433.69	111.08	1.36	447.69	165.63
3300.00	30.63	171.94	969.34	471.87	-458.78	114.57	0.84	472.87	165.98
3350.00	31.10	171.79	1012.26	497.50	-484.17	118.20	0.95	498.39	166.28
3400.00	31.33	171.87	1055.02	523.40	-509.82	121.89	0.47	524.19	166.55
3450.00	31.54	172.63	1097.68	549.45	-535.66	125.40	0.90	550.14	166.82
3500.00	30.99	173.12	1140.42	575.36	-561.41	128.62	1.21	575.95	167.10
3550.00	31.22	173.06	1183.23	601.14	-587.05	131.73	0.46	601.65	167.35
3600.00	31.38	172.50	1225.96	627.08	-612.82	134.99	0.66	627.51	167.58
3650.00	29.72	171.54	1269.02	652.47	-637.99	138.52	3.46	652.85	167.75
3700.00	29.82	171.16	1312.42	677.29	-662.53	142.25	0.43	677.63	167.88
3750.00	29.87	171.28	1355.79	702.16	-687.12	146.05	0.16	702.47	168.00
3800.00	30.26	171.02	1399.06	727.20	-711.87	149.90	0.82	727.48	168.11
3850.00	30.35	170.87	1442.23	752.43	-736.79	153.87	0.24	752.68	168.20
3900.00	30.94	170.58	1485.24	777.91	-761.94	157.98	1.22	778.14	168.29
3950.00	30.21	169.95	1528.29	803.34	-787.01	162.28	1.59	803.56	168.35
4000.00	29.45	170.22	1571.67	828.21	-811.51	166.56	1.54	828.42	168.40
4050.00	29.34	169.87	1615.23	852.75	-835.68	170.81	0.41	852.95	168.45
4100.00	28.66	170.22	1658.96	876.99	-859.55	175.00	1.40	877.19	168.49
4150.00	28.71	170.21	1702.82	900.99	-883.20	179.08	0.10	901.17	168.54
4200.00	29.19	169.75	1746.58	925.19	-907.04	183.29	1.06	925.37	168.58
4250.00	29.58	169.78	1790.14	949.73	-931.18	187.65	0.78	949.90	168.61
4300.00	29.18	169.71	1833.71	974.26	-955.32	192.01	0.80	974.42	168.64
4350.00	28.86	170.06	1877.43	998.51	-979.20	196.27	0.72	998.67	168.67
4400.00	28.58	170.86	1921.28	1022.53	-1002.89	200.26	0.95	1022.69	168.71
4450.00	27.98	171.96	1965.32	1046.21	-1026.31	203.80	1.59	1046.35	168.77
4500.00	27.89	171.42	2009.49	1069.62	-1049.49	207.18	0.54	1069.74	168.83
4550.00	28.28	170.86	2053.60	1093.15	-1072.75	210.81	0.94	1093.26	168.88
4600.00	28.45	170.95	2097.60	1116.90	-1096.20	214.56	0.35	1117.00	168.93
4650.00	28.99	171.01	2141.45	1140.92	-1119.93	218.33	1.08	1141.01	168.97
4700.00	28.93	171.58	2185.20	1165.12	-1143.86	221.99	0.56	1165.20	169.02
4750.00	28.41	172.64	2229.07	1189.09	-1167.62	225.29	1.45	1189.16	169.08
4800.00	28.51	173.77	2273.02	1212.87	-1191.28	228.11	1.10	1212.92	169.16
4850.00	28.85	174.35	2316.89	1236.80	-1215.15	230.59	0.88	1236.83	169.26



Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.
Field: McKittrick Hills
Site: Eddy County, NM
Well: McKittrick 24 Fed #3
Wellpath: 2VH - Job #32K0106090

Date: 03/08/2006 Time: 18:51:31 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,169.70Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	ChA deg
4900.00	28.95	174.31	2360.66	1260.88	-1239.19	232.98	0.20	1260.90	169.35
4950.00	28.73	173.70	2404.46	1284.93	-1263.18	235.50	0.73	1284.94	169.44
5000.00	28.74	172.94	2448.30	1308.92	-1287.05	238.29	0.73	1308.93	169.51
5050.00	28.65	172.82	2492.16	1332.89	-1310.88	241.27	0.21	1332.89	169.57
5100.00	28.52	172.53	2536.07	1356.78	-1334.60	244.32	0.38	1356.78	169.63
5150.00	27.60	172.29	2580.19	1380.28	-1357.92	247.42	1.85	1380.28	169.67
5200.00	27.82	172.76	2624.46	1403.50	-1380.97	250.45	0.62	1403.50	169.72
5250.00	27.59	173.47	2668.72	1426.70	-1404.05	253.23	0.80	1426.70	169.78
5300.00	27.70	173.92	2713.02	1449.84	-1427.11	255.78	0.47	1449.85	169.84
5350.00	28.00	174.11	2757.22	1473.14	-1450.34	258.22	0.63	1473.14	169.90
5400.00	27.71	173.41	2801.43	1496.44	-1473.56	260.76	0.87	1496.45	169.97
5450.00	28.35	173.17	2845.57	1519.89	-1496.90	263.50	1.30	1519.91	170.02
5500.00	28.63	172.98	2889.51	1543.70	-1520.57	266.38	0.59	1543.73	170.06
5550.00	28.08	171.87	2933.51	1567.42	-1544.11	269.51	1.52	1567.45	170.10
5600.00	28.57	171.73	2977.53	1591.12	-1567.59	272.89	0.99	1591.17	170.12
5650.00	28.77	172.21	3021.40	1615.09	-1591.34	276.24	0.61	1615.14	170.15
5700.00	28.24	172.29	3065.33	1638.93	-1614.99	279.46	1.06	1638.99	170.18
5750.00	28.27	172.54	3109.38	1662.57	-1638.45	282.58	0.24	1662.64	170.21
5800.00	28.65	172.63	3153.33	1686.37	-1662.08	285.66	0.76	1686.45	170.25
5850.00	29.25	172.82	3197.09	1710.54	-1686.09	288.72	1.21	1710.63	170.28
5900.00	29.64	172.72	3240.63	1735.08	-1710.47	291.82	0.79	1735.18	170.32
5950.00	29.63	171.78	3284.09	1759.78	-1734.97	295.15	0.93	1759.89	170.35
6000.00	29.64	170.66	3327.55	1784.50	-1759.40	298.92	1.11	1784.61	170.36
6050.00	28.89	170.92	3371.17	1808.93	-1783.53	302.84	1.52	1809.06	170.36
6100.00	28.63	171.39	3415.00	1832.98	-1807.30	306.54	0.69	1833.11	170.37
6150.00	28.41	171.40	3458.93	1856.85	-1830.90	310.11	0.44	1856.98	170.39
6200.00	28.18	171.80	3502.96	1880.53	-1854.35	313.57	0.60	1880.67	170.40
6250.00	28.06	172.79	3547.05	1904.07	-1877.70	316.73	0.96	1904.23	170.43
6300.00	28.27	174.29	3591.13	1927.62	-1901.15	319.38	1.48	1927.79	170.46
6350.00	28.53	174.05	3635.12	1951.33	-1924.81	321.80	0.57	1951.52	170.51
6400.00	28.59	172.82	3679.03	1975.18	-1948.55	324.53	1.18	1975.40	170.54
6450.00	28.65	172.26	3722.92	1999.10	-1972.30	327.64	0.55	1999.33	170.57
6500.00	28.57	172.94	3766.82	2023.01	-1996.04	330.73	0.67	2023.26	170.59
6550.00	28.88	173.80	3810.67	2046.99	-2019.91	333.50	1.03	2047.26	170.62
6600.00	28.44	174.66	3854.54	2070.90	-2043.77	335.91	1.21	2071.19	170.67
6650.00	28.17	174.37	3898.56	2094.52	-2067.37	338.18	0.61	2094.85	170.71
6700.00	28.23	173.23	3942.63	2118.09	-2090.86	340.73	1.08	2118.44	170.74
6750.00	28.40	172.46	3986.65	2141.77	-2114.39	343.68	0.81	2142.14	170.77
6800.00	28.91	171.54	4030.52	2165.73	-2138.13	347.02	1.35	2166.11	170.78
6850.00	28.74	172.19	4074.33	2189.81	-2162.00	350.43	0.71	2190.21	170.79
6900.00	28.91	171.52	4118.13	2213.90	-2185.86	353.85	0.73	2214.32	170.80
6950.00	29.17	171.14	4161.85	2238.16	-2209.85	357.51	0.64	2238.59	170.81
7000.00	29.31	171.22	4205.47	2262.58	-2233.99	361.25	0.29	2263.01	170.81
7050.00	28.97	171.03	4249.15	2286.92	-2258.04	365.01	0.70	2287.36	170.82
7100.00	28.84	170.80	4292.92	2311.08	-2281.91	368.83	0.34	2311.52	170.82
7150.00	29.02	170.74	4336.68	2335.27	-2305.78	372.70	0.36	2335.71	170.82
7200.00	29.63	171.24	4380.27	2359.75	-2329.97	376.54	1.31	2360.20	170.82
7250.00	28.93	171.32	4423.88	2384.19	-2354.14	380.25	1.40	2384.65	170.82
7300.00	28.10	170.62	4467.82	2408.05	-2377.71	383.99	1.79	2408.52	170.83
7350.00	28.88	169.96	4511.76	2431.90	-2401.22	388.02	1.68	2432.37	170.82
7400.00	29.34	170.84	4555.45	2456.22	-2425.20	392.07	1.26	2456.69	170.82
7450.00	28.56	172.29	4599.20	2480.41	-2449.14	395.62	2.10	2480.89	170.82



Scientific Drilling International

Survey Report

Company: OCCIDENTAL PERMIAN LTD.
 Field: McKittrick Hills
 Site: Eddy County, NM
 Well: McKittrick 24 Fed #3
 Wellpath: 2VH - Job #32K0106090

Date: 03/06/2006 Time: 18:51:31 Page: 3
 Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,169.70Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

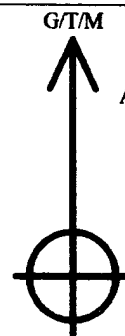
Survey

MD ft	Incl deg	Azfm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChsD ft	ChsA deg
7500.00	28.88	172.05	4843.05	2504.42	-2472.94	398.90	0.68	2504.91	170.84
7550.00	29.49	171.53	4886.70	2528.78	-2497.08	402.38	1.32	2529.29	170.85
7600.00	29.17	169.49	4730.29	2553.27	-2521.23	406.42	2.10	2553.78	170.84
7650.00	29.60	168.69	4773.86	2577.80	-2545.32	411.06	1.16	2578.30	170.83
7700.00	29.54	169.76	4817.35	2602.47	-2569.56	415.67	1.06	2602.96	170.81
7750.00	29.76	169.48	4860.80	2627.21	-2593.89	420.13	0.52	2627.69	170.80
7800.00	29.29	169.63	4904.31	2651.85	-2618.12	424.60	0.95	2652.33	170.79
7850.00	28.05	169.00	4948.18	2675.83	-2641.69	429.04	2.55	2676.30	170.78
7900.00	27.14	170.08	4992.49	2698.99	-2664.47	433.25	2.08	2699.46	170.76
7950.00	27.54	171.08	5036.90	2721.95	-2687.12	437.01	1.22	2722.42	170.76
8000.00	29.31	171.01	5080.87	2745.75	-2710.63	440.71	3.54	2746.22	170.77
8050.00	29.64	170.25	5124.40	2770.34	-2734.90	444.72	1.00	2770.82	170.76
8100.00	29.83	169.77	5167.82	2795.14	-2759.32	449.02	0.61	2795.62	170.76
8150.00	29.37	169.93	5211.29	2819.84	-2783.63	453.37	0.93	2820.31	170.75
8200.00	29.61	170.20	5254.81	2844.45	-2807.88	457.62	0.55	2844.93	170.74
8250.00	29.96	170.54	5298.21	2869.29	-2832.37	461.77	0.78	2869.76	170.74
8300.00	30.16	170.82	5341.48	2894.33	-2857.08	465.83	0.49	2894.81	170.74
8350.00	31.19	170.58	5384.49	2919.83	-2882.25	469.95	2.07	2920.32	170.74
8400.00	31.61	170.78	5427.17	2945.88	-2907.96	474.17	0.87	2946.37	170.74
8450.00	32.29	170.36	5469.59	2972.34	-2934.06	478.51	1.43	2972.82	170.74
8500.00	32.40	170.24	5511.83	2999.09	-2960.43	483.01	0.25	2999.57	170.73
8550.00	30.39	169.58	5554.51	3025.13	-2986.07	487.57	4.08	3025.62	170.73
8600.00	30.19	170.54	5597.68	3050.35	-3010.91	491.93	1.05	3050.83	170.72



Scientific
Drilling

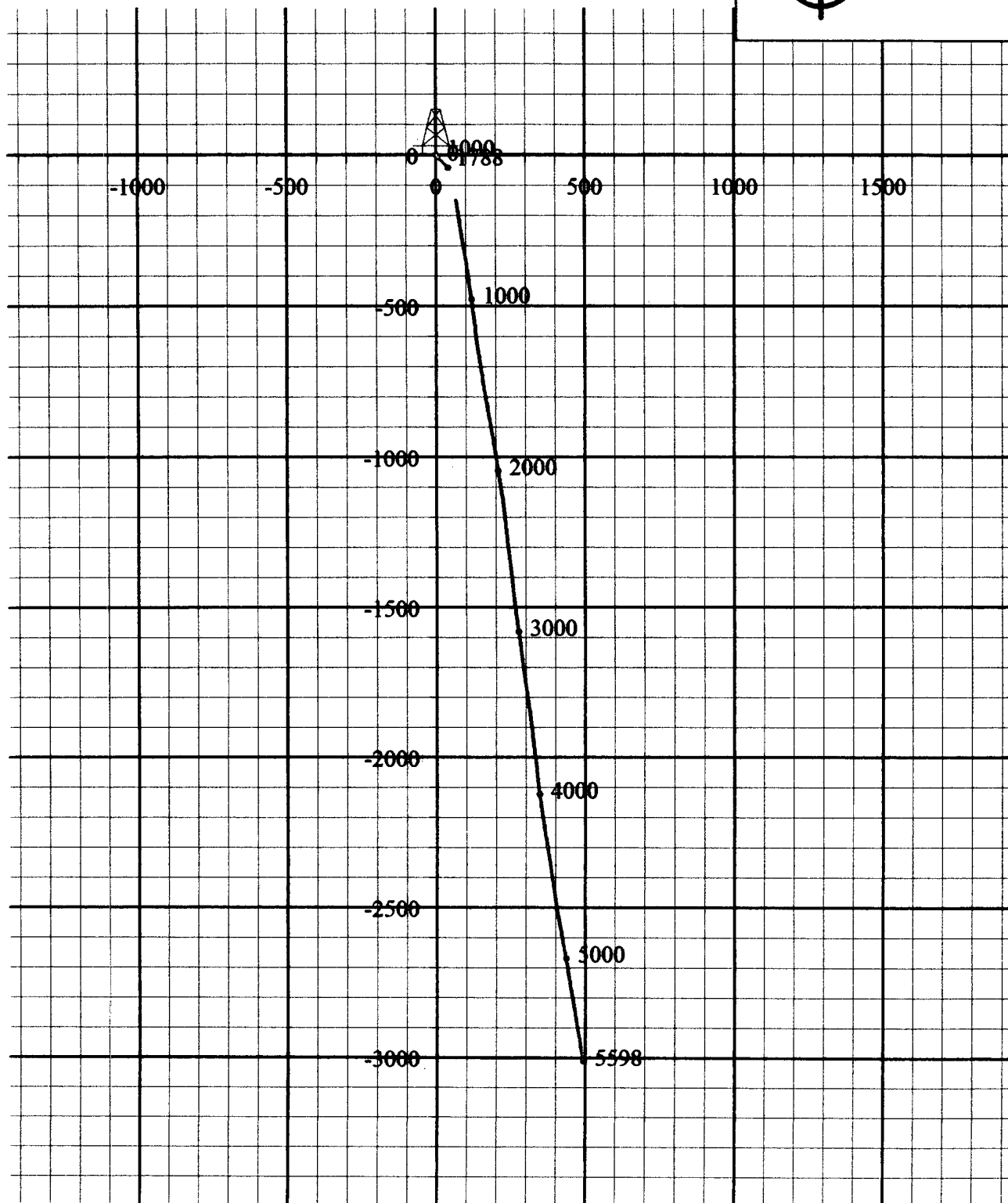
Field: McKittrick Hills
Site: Eddy County, NM
Well: McKittrick 24 Fed #3
Wellpath: 2VH - Job #32K0106090
Survey: 01/30/06



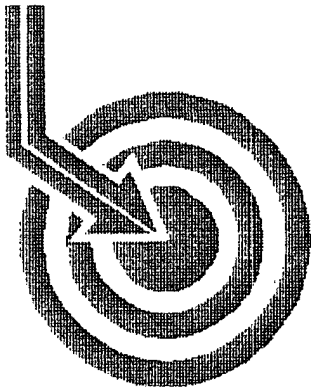
Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 03/06/2006
Model: igrf2000

South(-)/North(+) [500ft/in]



West(-)/East(+) [500ft/in]



Scientific Drilling

OCCIDENTAL PERMIAN LTD.

Field: McKittrick Hills
Site: Eddy County, NM
Well: McKittrick 24 Fed #3
Wellpath: VH - Job #32K1205947
Survey: 12/28/05

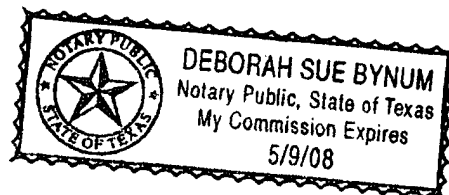
This survey is correct to the best of my knowledge
and is supported by actual field data.

[Signature].....Company Representative

Notorized this date 8th of February, 2005.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.
Field: McKittrick Hills
Site: Eddy County, NM
Well: McKittrick 24 Fed #3
Wellpath: VH - Job #32K1205947

Date: 02/08/2006 Time: 11:29:41 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,169.70Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 12/28/05 Start Date: 12/28/2005
KSRG 0'-1790'
Company: Scientific Drilling Internatio Engineer: Gonzales w/Apollo
Tool: Keeper;Keeper Surface Readout Tied-to: From Surface

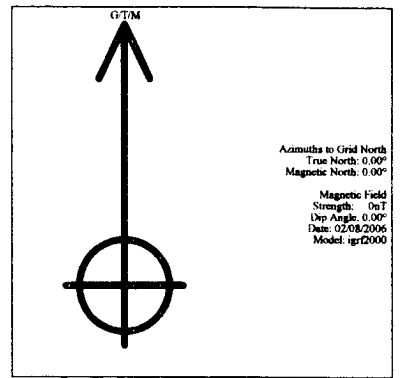
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.25	49.35	100.00	-0.11	0.14	0.17	0.25	0.22	49.35
200.00	0.38	27.45	200.00	-0.48	0.58	0.48	0.17	0.75	39.91
300.00	0.50	22.14	300.00	-1.11	1.28	0.80	0.13	1.51	32.11
400.00	0.39	21.96	399.99	-1.77	2.00	1.09	0.11	2.28	28.69
500.00	0.17	335.76	499.99	-2.20	2.45	1.16	0.30	2.71	25.34
600.00	0.39	201.84	599.99	-2.06	2.27	0.97	0.52	2.47	23.20
700.00	0.78	168.29	699.99	-1.09	1.28	0.98	0.50	1.62	37.43
800.00	1.16	150.38	799.97	0.55	-0.28	1.62	0.48	1.64	99.17
900.00	1.80	146.36	899.94	2.94	-2.45	2.99	0.65	3.87	129.30
1000.00	2.12	148.17	999.88	6.11	-5.33	4.84	0.33	7.20	137.76
1100.00	2.77	142.01	1099.79	9.97	-8.80	7.30	0.70	11.44	140.33
1200.00	3.59	138.27	1199.63	14.78	-13.05	10.87	0.85	16.98	140.19
1300.00	3.86	131.45	1299.42	20.09	-17.61	15.48	0.52	23.45	138.69
1400.00	4.06	130.83	1399.18	25.49	-22.15	20.68	0.20	30.31	136.97
1500.00	4.39	135.28	1498.91	31.41	-27.19	26.05	0.46	37.65	136.22
1600.00	4.11	137.22	1598.64	37.59	-32.54	31.18	0.31	45.06	136.22
1700.00	3.69	132.86	1698.40	43.19	-37.36	35.97	0.51	51.86	136.08
1790.00	3.15	136.75	1788.24	47.58	-41.13	39.79	0.65	57.22	135.95

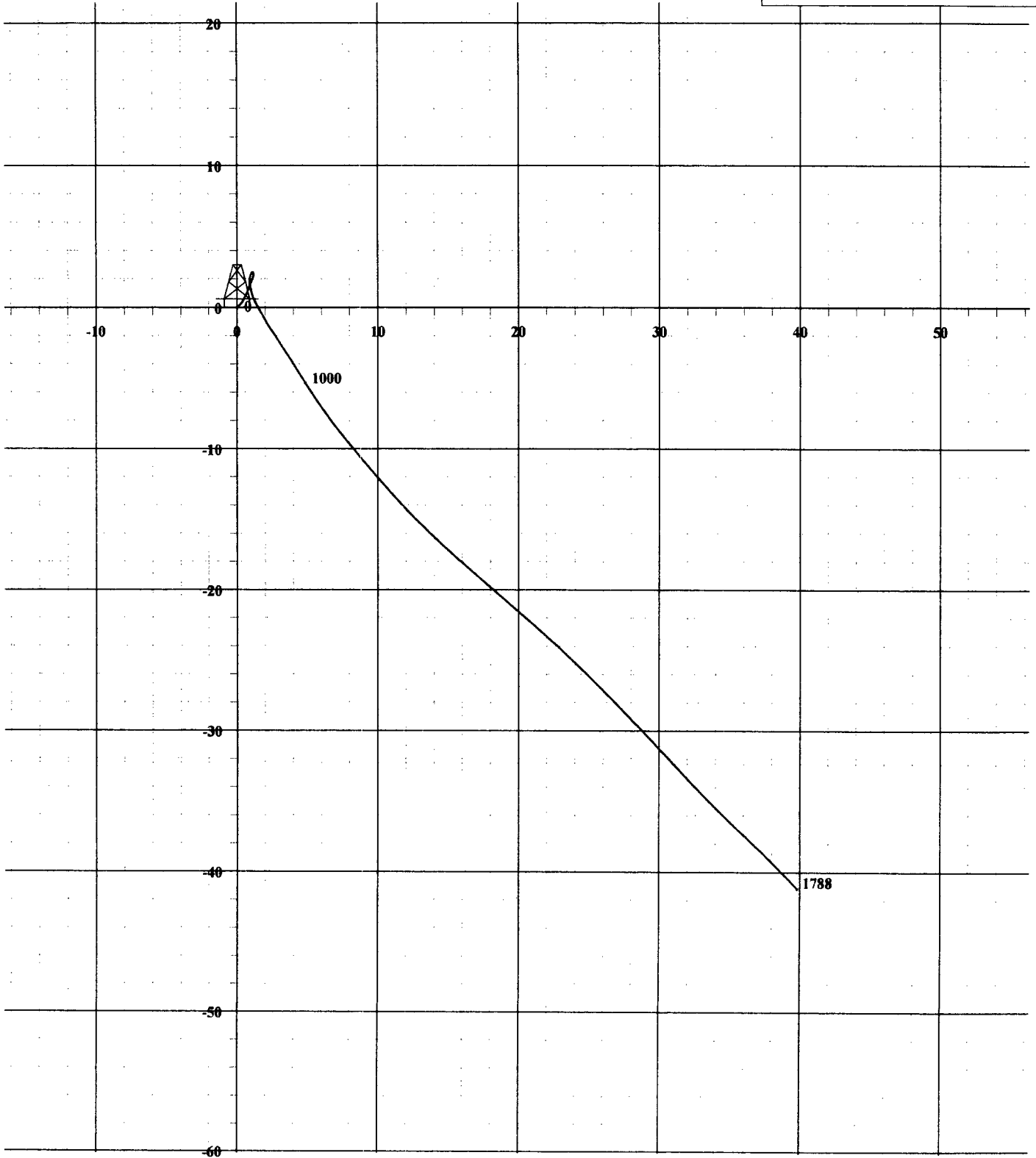


Scientific
Drilling

Field: McKittrick Hills
Site: Eddy County, NM
Well: McKittrick 24 Fed #3
Wellpath: VH - Job #32K1205947
Survey: 12/28/05



South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]