



Job Number: MI-05180
 Company: EOG Resources
 Lease/Well: University 1-16 #1H
 Location: Andrews County
 Rig Name: Nabors #424
 RKB: 3156'
 G.L. or M.S.L.: 3130'

State/Country: Texas
 Declination: 7.79933
 Grid: 2.50
 File name: C:\PROPOS~1\2005\Q050200\Q050201\Q050201.SVY
 Date/Time: 27-Jul-05 / 09:36
 Curve Name: As-Drilled Surveys

WINSERVE PROPOSAL REPORT
 Minimum Curvature Method
 Vertical Section Plane 76.72
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	CLOSURE Distance FT	Direction Deg
Tie-In to Gyro									
7700.00	.90	216.30	7699.47	50.18	.00	-18.40	55.90	58.85	108.22
7793.00	2.90	5.60	7792.44	50.38	3.98	-16.65	55.70	58.13	106.64
7886.00	2.50	20.00	7885.33	52.26	.84	-12.40	56.62	57.96	102.35
7981.00	2.40	339.20	7980.25	53.13	1.80	-8.59	56.62	57.27	98.63
8076.00	2.10	343.40	8075.18	52.77	.36	-5.07	55.42	55.65	95.22
8170.00	1.10	345.20	8169.14	52.65	1.07	-2.54	54.70	54.76	92.66
8266.00	1.50	31.80	8265.12	53.52	1.14	-.58	55.12	55.13	90.61
8359.00	1.10	63.20	8358.10	55.25	.86	.85	56.56	56.57	89.14
8454.00	1.10	79.00	8453.08	57.04	.32	1.44	58.27	58.29	88.59
8541.00	1.90	79.60	8540.05	59.32	.92	1.86	60.51	60.54	88.24
8644.00	1.10	94.30	8643.01	61.97	.86	2.09	63.17	63.21	88.10
8739.00	1.90	91.20	8737.98	64.36	.85	1.99	65.66	65.69	88.26
8832.00	1.30	98.70	8830.94	66.83	.68	1.80	68.24	68.27	88.49
8929.00	1.50	100.10	8927.92	69.02	.21	1.41	70.58	70.59	88.86
9023.00	1.70	117.50	9021.88	71.20	.56	.55	73.03	73.03	89.57
9116.00	1.90	108.00	9114.83	73.56	.39	-.56	75.72	75.72	90.43
9210.00	1.90	105.90	9208.78	76.26	.07	-1.47	78.70	78.71	91.07
9303.00	1.50	101.50	9301.74	78.71	.45	-2.14	81.37	81.40	91.50
9397.00	.90	107.70	9395.72	80.46	.65	-2.61	83.28	83.32	91.79
9492.00	1.10	99.40	9490.71	81.94	.26	-2.98	84.89	84.95	92.01
9586.00	1.10	128.30	9584.69	83.33	.58	-3.69	86.49	86.57	92.44
9683.00	1.40	112.80	9681.67	84.87	.46	-4.72	88.31	88.44	93.06
9778.00	1.60	111.00	9776.63	86.90	.22	-5.65	90.62	90.80	93.57
9873.00	2.90	124.20	9871.56	89.62	1.46	-7.48	93.85	94.15	94.55

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	C L O S U R E	
								Distance FT	Direction Deg
9968.00	4.00	143.20	9966.39	92.57	1.66	-11.48	97.82	98.49	96.69
10063.00	3.10	129.30	10061.21	95.45	1.30	-15.76	101.79	103.01	98.80
10158.00	3.10	117.20	10156.07	98.97	.69	-18.56	106.07	107.68	99.93
10254.00	2.90	120.70	10251.94	102.69	.28	-20.99	110.46	112.44	100.76
10349.00	2.60	103.10	10346.83	106.35	.94	-22.70	114.63	116.86	101.20

Begin Build Inc.									
10394.00	3.60	101.90	10391.76	108.54	2.23	-23.23	117.01	119.29	101.23
10425.00	6.20	94.00	10422.65	111.02	8.65	-23.54	119.63	121.92	101.13
10457.00	10.60	89.20	10454.30	115.55	13.91	-23.62	124.30	126.52	100.76
10488.00	14.90	86.10	10484.53	122.27	14.04	-23.31	131.13	133.18	100.08
10520.00	19.50	82.90	10515.09	131.64	14.67	-22.37	140.54	142.31	99.04
10552.00	24.30	82.00	10544.77	143.51	15.04	-20.79	152.36	153.78	97.77
10583.00	25.70	81.30	10572.86	156.57	4.62	-18.89	165.33	166.40	96.52
10614.00	26.80	80.80	10600.67	170.24	3.62	-16.76	178.87	179.65	95.35
10646.00	28.80	83.10	10628.97	185.10	7.09	-14.68	193.65	194.20	94.33
10678.00	29.70	87.30	10656.90	200.55	7.00	-13.38	209.22	209.64	93.66
10710.00	31.20	90.30	10684.48	216.40	6.67	-13.05	225.43	225.80	93.31
10731.00	33.00	90.50	10702.27	227.24	8.59	-13.12	236.59	236.95	93.18
10810.00	43.10	82.70	10764.44	275.13	14.14	-9.87	285.02	285.19	91.98
10842.00	51.30	81.10	10786.16	298.50	25.88	-6.55	308.24	308.31	91.22
10874.00	59.50	81.30	10804.32	324.73	25.63	-2.52	334.25	334.26	90.43
10906.00	67.30	79.90	10818.63	353.26	24.69	2.16	362.45	362.46	89.66
10938.00	75.80	78.00	10828.75	383.56	27.15	7.98	392.22	392.30	88.83
10970.00	83.80	74.80	10834.42	415.03	26.86	15.39	422.80	423.08	87.91
11002.00	89.00	73.20	10836.43	446.91	17.00	24.19	453.48	454.13	86.95
11034.00	89.20	74.10	10836.93	478.86	2.88	33.20	484.18	485.32	86.08
11066.00	92.40	72.30	10836.48	510.80	11.47	42.45	514.81	516.56	85.29
11098.00	92.30	72.90	10835.17	542.69	1.90	52.01	545.32	547.80	84.55
11130.00	91.80	72.70	10834.02	574.59	1.68	61.47	575.87	579.14	83.91
11162.00	91.40	72.70	10833.13	606.50	1.25	70.98	606.41	610.55	83.32
11194.00	91.20	72.70	10832.41	638.41	.62	80.49	636.95	642.02	82.80
11226.00	90.80	72.70	10831.85	670.33	1.25	90.01	667.50	673.54	82.32
11258.00	90.40	72.50	10831.51	702.24	1.40	99.57	698.04	705.10	81.88
11290.00	90.60	72.30	10831.23	734.15	.88	109.25	728.54	736.68	81.47
11322.00	94.00	72.00	10829.95	766.02	10.67	119.05	758.97	768.25	81.09
11354.00	93.10	71.80	10827.97	797.84	2.88	128.97	789.33	799.79	80.72
11386.00	92.50	73.10	10826.40	829.72	4.47	138.61	819.80	831.43	80.40
11418.00	92.90	73.20	10824.90	861.62	1.29	147.87	850.39	863.15	80.14
11450.00	92.70	74.00	10823.33	893.53	2.57	156.90	881.05	894.91	79.90
11482.00	91.20	74.00	10822.24	925.48	4.69	165.71	911.79	926.73	79.70
11514.00	91.10	73.80	10821.60	957.43	.70	174.59	942.53	958.57	79.51
11546.00	90.80	73.80	10821.07	989.39	.94	183.51	973.26	990.41	79.32
11578.00	90.60	74.40	10820.68	1021.35	1.98	192.28	1004.03	1022.28	79.16
11626.00	89.50	74.80	10820.64	1069.32	2.44	205.03	1050.31	1070.13	78.95

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	C L O S U R E	
								Distance FT	Direction Deg
11658.00	90.00	74.50	10820.78	1101.30	1.82	213.50	1081.16	1102.04	78.83
11690.00	91.00	74.70	10820.50	1133.27	3.19	221.99	1112.01	1133.96	78.71
11722.00	91.90	74.30	10819.69	1165.24	3.08	230.54	1142.84	1165.86	78.59
11754.00	93.30	74.00	10818.24	1197.17	4.47	239.27	1173.59	1197.73	78.48
11786.00	94.40	72.60	10816.09	1229.04	5.56	248.45	1204.17	1229.53	78.34
11818.00	94.20	71.30	10813.69	1260.84	4.10	258.33	1234.51	1261.25	78.18
11850.00	94.70	70.40	10811.21	1292.58	3.21	268.80	1264.65	1292.90	78.00
11882.00	95.00	70.00	10808.50	1324.25	1.56	279.60	1294.65	1324.50	77.81
11914.00	95.60	69.30	10805.55	1355.88	2.87	290.68	1324.52	1356.04	77.62
11946.00	94.20	69.10	10802.81	1387.48	4.42	302.00	1354.33	1387.59	77.43
11978.00	92.80	69.60	10800.86	1419.16	4.64	313.27	1384.21	1419.22	77.25
12010.00	93.40	69.30	10799.13	1450.86	2.10	324.48	1414.13	1450.88	77.08
12042.00	94.20	69.20	10797.01	1482.51	2.52	335.79	1443.99	1482.52	76.91
12074.00	94.10	68.90	10794.69	1514.14	.99	347.21	1473.80	1514.14	76.74
12106.00	93.10	69.30	10792.68	1545.80	3.36	358.60	1503.63	1545.80	76.59
12138.00	91.80	69.80	10791.31	1577.52	4.35	369.77	1533.59	1577.54	76.44
12170.00	91.90	69.80	10790.28	1609.27	.31	380.81	1563.60	1609.31	76.31
12202.00	91.80	70.00	10789.25	1641.03	.70	391.80	1593.64	1641.10	76.19
12234.00	91.90	69.60	10788.22	1672.78	1.29	402.85	1623.66	1672.89	76.07
12266.00	92.80	69.70	10786.90	1704.51	2.83	413.97	1653.63	1704.66	75.95
12298.00	93.30	69.10	10785.20	1736.20	2.44	425.21	1683.54	1736.41	75.83
12330.00	94.10	69.20	10783.14	1767.85	2.52	436.57	1713.39	1768.13	75.71
12362.00	93.10	69.20	10781.13	1799.52	3.12	447.92	1743.24	1799.87	75.59
12395.00	93.70	69.30	10779.17	1832.18	1.84	459.59	1774.05	1832.61	75.48
12426.00	94.70	68.80	10776.90	1862.82	3.60	470.64	1802.92	1863.34	75.37
12458.00	93.30	68.50	10774.67	1894.42	4.47	482.26	1832.65	1895.04	75.26
12490.00	93.30	68.80	10772.82	1926.05	.94	493.89	1862.40	1926.78	75.15
12522.00	92.70	68.90	10771.15	1957.71	1.90	505.42	1892.21	1958.55	75.04
12554.00	93.30	69.20	10769.48	1989.38	2.10	516.85	1922.05	1990.33	74.95
12586.00	94.00	69.20	10767.44	2021.04	2.19	528.19	1951.90	2022.11	74.86
12618.00	94.60	68.60	10765.04	2052.65	2.65	539.68	1981.67	2053.85	74.77
12650.00	92.40	68.00	10763.09	2084.25	7.13	551.49	2011.35	2085.58	74.67
12682.00	90.70	67.60	10762.22	2115.85	5.46	563.57	2040.97	2117.35	74.56
12714.00	90.50	67.80	10761.88	2147.45	.88	575.71	2070.57	2149.12	74.46
12747.00	91.00	67.10	10761.45	2180.01	2.61	588.37	2101.04	2181.87	74.36
12779.00	91.50	67.30	10760.75	2211.57	1.68	600.77	2130.54	2213.62	74.25
12811.00	92.00	67.10	10759.78	2243.11	1.68	613.16	2160.02	2245.36	74.15
12843.00	92.60	67.10	10758.49	2274.64	1.87	625.60	2189.48	2277.10	74.05
12875.00	93.20	67.10	10756.87	2306.14	1.87	638.04	2218.92	2308.83	73.96
12928.00	92.00	67.90	10754.47	2358.40	2.72	658.30	2267.83	2361.44	73.81
12960.00	91.30	67.60	10753.55	2390.00	2.38	670.41	2297.44	2393.25	73.73
12992.00	91.10	67.90	10752.88	2421.60	1.13	682.52	2327.05	2425.07	73.65
13024.00	90.70	67.80	10752.38	2453.21	1.29	694.59	2356.68	2456.91	73.58
13056.00	90.40	67.90	10752.07	2484.83	.99	706.65	2386.32	2488.75	73.50
13088.00	90.10	68.30	10751.93	2516.47	1.56	718.59	2416.01	2520.61	73.44

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	CLOSURE	
								Distance FT	Direction Deg
13120.00	90.20	69.60	10751.85	2548.17	4.07	730.08	2445.87	2552.51	73.38
13152.00	88.90	69.60	10752.10	2579.93	4.06	741.23	2475.86	2584.44	73.33
13184.00	88.40	69.40	10752.85	2611.66	1.68	752.44	2505.83	2616.36	73.29
13216.00	88.90	69.30	10753.60	2643.39	1.59	763.72	2535.76	2648.28	73.24
13248.00	88.70	68.80	10754.27	2675.10	1.68	775.16	2565.64	2680.18	73.19
13280.00	88.00	68.90	10755.20	2706.78	2.21	786.70	2595.47	2712.08	73.14
13312.00	87.50	68.20	10756.45	2738.43	2.69	798.39	2625.23	2743.95	73.08
13345.00	87.90	69.10	10757.78	2771.08	2.98	810.40	2655.94	2776.83	73.03
13377.00	87.90	69.00	10758.95	2802.77	.31	821.83	2685.81	2808.73	72.99
13408.00	87.70	68.70	10760.14	2833.46	1.16	833.01	2714.70	2839.63	72.94
13440.00	87.10	68.80	10761.59	2865.11	1.90	844.59	2744.49	2871.51	72.89
13472.00	86.60	68.50	10763.35	2896.75	1.82	856.23	2774.25	2903.38	72.85
13505.00	86.60	68.80	10765.31	2929.37	.91	868.22	2804.93	2936.23	72.80
13537.00	88.60	68.50	10766.65	2961.02	6.32	879.86	2834.71	2968.12	72.76
13569.00	88.20	68.70	10767.54	2992.69	1.40	891.53	2864.49	3000.02	72.71
13601.00	88.10	68.10	10768.57	3024.33	1.90	903.30	2894.23	3031.92	72.67
13633.00	87.30	68.70	10769.86	3055.97	3.12	915.07	2923.96	3063.80	72.62
13664.00	87.00	68.90	10771.40	3086.64	1.16	926.27	2952.82	3094.70	72.58
Projection to Bit									
13702.00	87.00	68.90	10773.39	3124.23	.00	939.93	2988.23	3132.57	72.54