Scientific Drilling

Scientific Drilling International
Survey Report

Company:	E.O.G.	**Date:** 1/22/2006	**Time:** 14:54:09	**Page:**	2
Field:	Corbin	**Co-ordinate(NE) Reference:**	Site: Lea County, NM, Grid North		
Site:	Lea County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	South Corbin Fed #3	**Section (VS) Reference:**	Well (0.00N,0.00E,64.91Azi)		
Wellpath:	VH - Job #32K12-5890	**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	ClsD ft	ClsA deg
4900.00	0.56	111.16	4899.77	31.18	4.90	32.14	0.19	32.51	81.33
5000.00	0.46	89.37	4999.77	31.89	4.73	32.99	0.22	33.33	81.85
5100.00	0.35	95.80	5099.77	32.51	4.70	33.70	0.12	34.03	82.06
5200.00	0.50	113.07	5199.76	33.07	4.50	34.41	0.20	34.70	82.55
5300.00	0.35	98.89	5299.76	33.61	4.28	35.11	0.18	35.37	83.05
5400.00	0.27	20.77	5399.76	34.03	4.45	35.49	0.40	35.77	82.85
5500.00	0.52	330.19	5499.76	34.16	5.07	35.35	0.41	35.71	81.84
5600.00	0.52	311.89	5599.75	33.95	5.76	34.79	0.17	35.26	80.59
5700.00	0.41	283.26	5699.75	33.49	6.15	34.10	0.25	34.65	79.78
5800.00	0.50	284.05	5799.75	32.87	6.34	33.33	0.09	33.93	79.23
5900.00	0.59	278.18	5899.74	32.10	6.52	32.40	0.11	33.05	78.63
6000.00	0.51	223.90	5999.74	31.26	6.27	31.58	0.51	32.20	78.77
6100.00	0.71	187.65	6099.73	30.51	5.33	31.19	0.42	31.64	80.29
6200.00	0.93	162.44	6199.72	30.07	3.95	31.35	0.42	31.60	82.83
6300.00	0.79	160.99	6299.71	29.89	2.52	31.82	0.14	31.92	85.47
6400.00	1.00	160.58	6399.70	29.73	1.05	32.34	0.21	32.35	88.15
6500.00	0.92	134.57	6499.69	29.92	-0.34	33.20	0.44	33.20	90.59
6600.00	0.89	111.68	6599.67	30.73	-1.19	34.49	0.36	34.51	91.98
6700.00	0.83	119.73	6699.66	31.68	-1.84	35.84	0.13	35.89	92.93
6800.00	0.90	122.79	6799.65	32.52	-2.62	37.13	0.08	37.22	94.04
6900.00	0.87	113.92	6899.64	33.43	-3.35	38.48	0.14	38.63	94.98
7000.00	0.85	126.85	6999.63	34.28	-4.11	39.77	0.19	39.98	95.90
7100.00	0.81	113.34	7099.62	35.10	-4.83	41.02	0.20	41.30	96.72
7200.00	0.72	131.24	7199.61	35.82	-5.53	42.14	0.25	42.50	97.47
7300.00	0.93	123.97	7299.60	36.49	-6.39	43.28	0.23	43.75	98.40
7400.00	0.69	146.58	7399.59	36.99	-7.35	44.29	0.40	44.89	99.42
7500.00	0.55	138.15	7499.58	37.22	-8.21	44.94	0.17	45.68	100.35
7600.00	0.14	25.88	7599.58	37.45	-8.46	45.31	0.62	46.09	100.57
7700.00	0.19	50.21	7699.58	37.70	-8.24	45.49	0.08	46.23	100.27
7800.00	0.86	47.70	7799.58	38.58	-7.63	46.18	0.67	46.80	99.38
7900.00	0.64	72.93	7899.57	39.85	-6.96	47.26	0.39	47.77	98.38
8000.00	0.43	50.16	7999.56	40.77	-6.56	48.09	0.29	48.53	97.76
8100.00	0.43	29.34	8099.56	41.44	-5.99	48.56	0.16	48.93	97.03
8200.00	1.19	56.43	8199.55	42.77	-5.09	49.61	0.83	49.87	95.86
8300.00	0.93	25.11	8299.53	44.42	-3.78	50.82	0.62	50.96	94.25
8400.00	1.31	13.77	8399.52	45.76	-1.93	51.43	0.44	51.47	92.15
8500.00	2.11	355.55	8499.47	47.13	1.01	51.56	0.96	51.57	88.88
8600.00	1.69	343.84	8599.42	48.00	4.26	51.01	0.57	51.19	85.22
8700.00	1.84	343.06	8699.37	48.46	7.22	50.13	0.15	50.65	81.81
8800.00	2.00	337.96	8799.31	48.78	10.37	49.01	0.23	50.09	78.05
8900.00	1.68	335.20	8899.26	48.88	13.32	47.74	0.33	49.56	74.41
9000.00	1.90	348.06	8999.21	49.27	16.27	46.78	0.46	49.53	70.82
9100.00	1.73	353.37	9099.16	50.12	19.39	46.26	0.24	50.16	67.26
9168.00	1.83	337.94	9167.13	50.50	21.42	45.74	0.72	50.50	64.91

Actual Path

TMD	DEG	AZI	TVD	N/S	E/W	VS
9194	11.1	350.1	9192.47	30.02	43.42	28.56
9225	14.3	348.7	9222.71	36.71	42.15	35.29
9256	17.1	352.9	9252.55	44.99	40.84	43.61
9287	20.7	349.4	9281.87	54.9	39.27	53.57
9319	21.4	348	9311.74	66.17	37.01	64.91
9350	23.3	348.3	9340.41	77.71	34.6	76.52
9384	25	343	9371.43	91.17	31.13	90.22
9415	27.1	344.1	9399.28	104.22	27.28	103.4
9447	32.3	344.1	9427.07	119.47	22.94	118.78
9478	38.1	345.5	9452.39	136.71	18.27	136.16
9510	42.6	345.5	9476.77	156.76	13.08	156.24
9541	47.3	346.2	9498.7	177.99	7.74	177.64
9572	53.8	346.5	9518.39	201.24	2.09	201.06
9604	60.3	346.5	9535.79	227.34	-4.17	227.35
9637	65.3	348.8	9550.87	256	-10.43	256.2
9667	70.5	351.8	9562.15	283.39	-15.1	283.73
9699	76.7	353.6	9571.18	313.82	-18.99	314.28
9730	82.1	355.7	9576.89	344.15	-21.83	344.68
9745	84.6	357.4	9578.62	359.02	-22.72	359.57
9789	90.1	1.3	9580.9	402.92	-23.35	403.47
9852	91.5	1.3	9580.02	465.89	-21.92	466.37
9915	93.2	359.9	9577.44	528.83	-21.26	529.25
9978	93.8	359.9	9573.59	591.72	-21.37	592.1
ST #1						
9820	87.8	357.8	9581.47	433.91	-23.6	434.45
9852	89	355.7	9582.36	465.84	-25.41	466.43
9883	90	352.7	9582.63	496.68	-28.54	497.35
9915	91.1	351.5	9582.32	528.37	-32.94	529.17
9946	91.7	350.8	9581.57	558.99	-37.71	559.93
9978	90.9	351.5	9580.84	590.6	-42.63	591.69
10009	90	352.2	9580.6	621.29	-47.02	622.5
10041	90.2	353.2	9580.54	653.03	-51.09	654.36
10072	90.4	352.9	9580.38	683.8	-54.84	685.24
10103	90.2	352.2	9580.22	714.54	-58.86	716.09
10135	90.9	351.5	9579.91	746.21	-63.4	747.9
10166	91.1	352.2	9579.37	776.89	-67.79	778.71
10198	91.6	351.5	9578.61	808.56	-72.32	810.51
10229	91.3	351.1	9577.83	839.19	-77.01	841.29
10261	91.8	352.2	9576.96	870.84	-81.66	873.07
10292	91.6	353.2	9576.04	901.58	-85.59	903.92
10323	91.1	354.3	9575.31	932.38	-88.97	934.82
10355	90.9	355.7	9574.76	964.26	-91.76	966.77
10386	90.7	356.4	9574.32	995.18	-93.89	997.75
10418	90.8	357.4	9573.9	1027.13	-95.62	1029.74
10450	91	356.7	9573.4	1059.08	-97.27	1061.73
10481	90.2	357.4	9573.08	1090.04	-98.86	1092.72
10512	89.9	358.5	9573.05	1121.02	-99.97	1123.72
10544	89.6	357.4	9573.19	1153	-101.12	1155.72

10575	89.9	357.1	9573.32	1183.96	-102.61	1186.71
10606	90.5	357.8	9573.22	1214.93	-103.99	1217.71
10637	91	357.4	9572.81	1245.9	-105.28	1248.71
10669	91.1	358.5	9572.22	1277.87	-106.43	1280.7
10700	91.1	0.3	9571.63	1308.87	-106.75	1311.69
10731	91.4	1.7	9570.95	1339.85	-106.21	1342.64
10762	91.1	2.4	9570.28	1370.83	-105.1	1373.56
10793	90.4	3.1	9569.87	1401.79	-103.62	1404.45
10824	90.1	2.7	9569.73	1432.75	-102.05	1435.34
10856	90.5	2	9569.57	1464.72	-100.74	1467.25
10888	90.9	2	9569.18	1496.7	-99.62	1499.18
10925	91	0.6	9568.56	1533.68	-98.78	1536.11
10957	91.3	0.6	9567.92	1565.67	-98.44	1568.08
10986	91.8	1	9567.14	1594.66	-98.04	1597.03
11018	92.1	0.6	9566.05	1626.64	-97.59	1628.98
11049.69	92.6	0.6	9564.75	1658.3	-97.26	1660.61
11081	92.9	0.3	9563.25	1689.57	-97.02	1691.86
11144	90	1.3	9561.65	1752.54	-96.14	1754.76
11207	89.5	1.4	9561.93	1815.52	-94.65	1817.66
11270	90.8	1	9561.76	1878.5	-93.33	1880.57
11334	91.4	0.6	9560.53	1942.49	-92.44	1944.48
11395	91.7	359.9	9558.88	2003.46	-92.17	2005.42
11458	91.9	359.9	9556.9	2066.43	-92.28	2068.36
11522	92.3	359.6	9554.56	2130.39	-92.55	2132.29
11584	92.5	359.2	9551.96	2192.33	-93.2	2194.21
11647	91.2	358.8	9549.93	2255.29	-94.3	2257.17
11711	90.7	358.5	9548.87	2319.26	-95.81	2321.16
11742	90.7	358.5	9548.49	2350.25	-96.62	2352.16
11774	91.7	359.2	9547.81	2382.23	-97.26	2384.15
11805	91.8	358.8	9546.87	2413.21	-97.8	2415.13
11837	92.1	358.5	9545.78	2445.19	-98.56	2447.11
11868	92.2	359.2	9544.62	2476.16	-99.18	2478.08
11900	92.4	358.8	9543.33	2508.13	-99.74	2510.05
11931	92.6	358.8	9541.98	2539.09	-100.39	2541.02
11963	91.4	358.5	9540.86	2571.06	-101.14	2573
11994	91.8	358.5	9540	2602.04	-101.95	2603.99
12026	91.8	357.8	9538.99	2634.01	-102.99	2635.97
12058	91.8	357.8	9537.99	2665.97	-104.21	2667.96
12089	91.8	357.4	9537.01	2696.92	-105.51	2698.94
12121	91.6	357.1	9536.07	2728.87	-107.05	2730.92
12152	91.6	357.1	9535.2	2759.82	-108.61	2761.9
12183	91.4	356.7	9534.39	2790.77	-110.29	2792.89
12217	91.2	356.4	9533.62	2824.69	-112.34	2826.87
12248	91.5	356.4	9532.89	2855.62	-114.28	2857.84
12280	92	356	9531.93	2887.55	-116.53	2887.48
12343	90.9	356.4	9530.34	2950.39	-120.7	2950.32
12406	91	356	9529.3	3013.24	-124.88	3013.17
12469	90.7	356.4	9528.36	3076.09	-129.05	3076.03
12533	90.30	356.00	9527.40	3134.20	-130.50	3136.80
12600	90.30	356.00	9527.10	3201.10	-135.20	3203.80