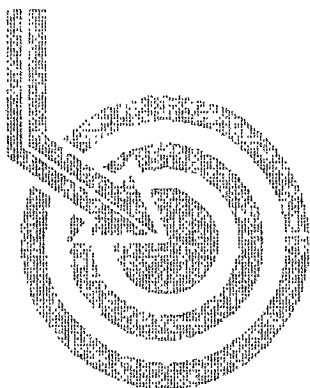




Scientific Drilling

SUR: I-35-24S-37E, 2430/S & 660/E
BHL: I-35-24S-37E, 2356/S & 561/E
API # 30-025-38413

CHEVRON

Field: GL Erwin
Site: Lea County, NM
Well: GL Erwin B #13
Wellpath: VH - Job #32K0707640
Survey: 07/30/07

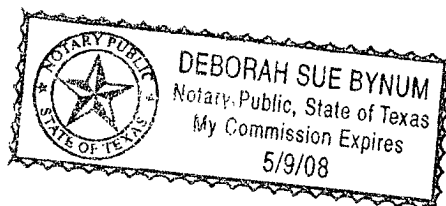
This survey is correct to the best of my knowledge
and is supported by actual field data.

Blanton.....Company Representative

Notorized this date 23rd of August, 2007.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

Company: CHEVRON
Field: GL Erwin
Site: Lea County, NM
Well: GL Erwin B #13
Wellpath: VH - Job #32K0707640

Date: 08/22/2007 Time: 21:56:59 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0 00N,0.00E,126.27Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/30/07 Start Date: 07/30/2007
Company: Scientific Drilling Internatio Engineer: Pena w/Baker
Tool: Keeper;Keeper Gyro Tied-to: From Surface

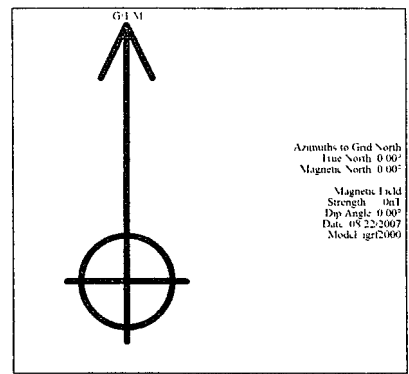
Survey

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.45	203.61	100.00	0.09	-0.36	-0.16	0.45	0.39	203.61
200.00	0.75	242.11	199.99	-0.11	-1.03	-0.89	0.49	1.36	221.04
300.00	1.04	253.76	299.98	-0.95	-1.59	-2.34	0.34	2.83	235.91
400.00	1.40	257.83	399.96	-2.31	-2.10	-4.41	0.37	4.88	244.56
500.00	1.34	244.26	499.93	-3.67	-2.86	-6.66	0.33	7.25	246.73
600.00	1.02	217.06	599.91	-4.23	-4.08	-8.25	0.64	9.20	243.67
700.00	0.90	199.73	699.90	-4.02	-5.53	-9.05	0.31	10.60	238.56
800.00	1.50	145.00	799.88	-2.56	-7.34	-8.56	1.23	11.28	229.39
900.00	1.79	129.72	899.84	0.24	-9.41	-6.61	0.52	11.50	215.08
1000.00	2.01	130.41	999.78	3.55	-11.55	-4.07	0.22	12.24	199.43
1100.00	2.58	128.89	1099.70	7.54	-14.10	-0.99	0.57	14.13	184.00
1200.00	2.96	126.98	1199.58	12.37	-17.06	2.83	0.39	17.30	170.59
1300.00	3.30	123.54	1299.43	17.83	-20.21	7.29	0.39	21.48	160.16
1400.00	3.44	124.01	1399.26	23.70	-23.47	12.18	0.14	26.44	152.58
1500.00	3.64	119.57	1499.07	29.85	-26.72	17.42	0.34	31.90	146.89
1600.00	3.89	112.79	1598.85	36.31	-29.60	23.31	0.51	37.68	141.78
1700.00	4.40	105.37	1698.59	43.19	-31.93	30.14	0.74	43.91	136.65
1800.00	4.68	102.29	1798.28	50.50	-33.82	37.82	0.37	50.74	131.80
1900.00	4.95	98.16	1897.93	58.03	-35.30	46.08	0.44	58.04	127.45
2000.00	5.18	97.49	1997.54	65.79	-36.50	54.83	0.24	65.86	123.65
2100.00	5.52	97.78	2097.10	73.98	-37.74	64.07	0.34	74.36	120.50
2200.00	5.58	96.82	2196.63	82.44	-38.96	73.66	0.11	83.33	117.88
2300.00	4.18	100.32	2296.27	89.95	-40.20	82.07	1.43	91.39	116.09
2400.00	3.53	103.83	2396.04	96.07	-41.58	88.65	0.69	97.92	115.13
2500.00	2.48	112.01	2495.90	101.02	-43.13	93.64	1.13	103.10	114.73
2600.00	1.84	127.79	2595.83	104.72	-44.93	96.92	0.87	106.82	114.87
2700.00	1.61	140.91	2695.79	107.68	-47.00	99.07	0.46	109.66	115.38
2800.00	1.36	151.10	2795.75	110.12	-49.13	100.53	0.36	111.89	116.04
2900.00	1.36	161.55	2895.73	112.16	-51.29	101.48	0.25	113.71	116.81
3000.00	1.28	168.82	2995.70	113.96	-53.51	102.07	0.19	115.25	117.67
3100.00	1.38	182.77	3095.67	115.44	-55.81	102.23	0.34	116.48	118.63
3200.00	1.53	182.11	3195.64	116.86	-58.35	102.12	0.15	117.62	119.74
3300.00	1.43	189.97	3295.61	118.16	-60.91	101.86	0.23	118.68	120.88
3400.00	1.42	203.38	3395.58	118.99	-63.28	101.15	0.33	119.31	122.03
3500.00	1.28	198.63	3495.55	119.60	-65.48	100.30	0.18	119.78	123.14
3600.00	1.13	193.29	3595.53	120.33	-67.49	99.72	0.19	120.41	124.09
3700.00	1.62	182.68	3695.50	121.49	-69.86	99.43	0.55	121.52	125.09
3800.00	1.64	192.81	3795.46	122.85	-72.67	99.04	0.29	122.85	126.27



Scientific
Drilling

Field: GL Erwin
Site: Lea County, NM
Well: GL Erwin B #13
Wellpath: VH - Job #32K0707640
Survey: 07/30/07



West(-)/East(+) [20ft/in]

South(-)/North(+) [20ft/in]

