

Scientific Drilling

30-025-39180

K-35-245-37e

2200/S @ 2310/W

CHEVRON

Field: GL Erwin

Site: Lea County, NM

Well: GL Erwin A Federal #11

Wellpath: VH - Job #32K1108884

Survey: 11/07/08

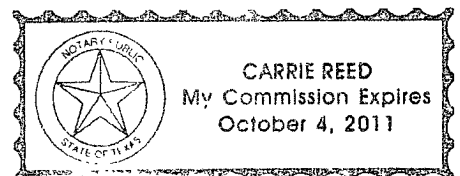
*Maximum Inclination
2.64°*

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

.....*Richard*..... Company Representative

Notorized this date 22nd of December, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: CHEVRON	Date: 12/17/2008	Time: 14:12:04	Page: 1
Field: GL Erwin	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grd North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0 0	
Well: GL Erwin A Federal #11	Section (V's) Reference:	Well (0.00N,0.00E,86.93Azi)	
Wellpath: VH - Job #32K1108884	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 11/07/08	Start Date:	11/07/2008
KSRG 0'-3887'	Company: Scientific Drilling Internatio	Engineer: Madrid w/Apollo
Tool: Keeper.Keeper Gyro	Tied-to:	From Surface

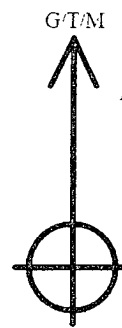
Survey

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 27	142 20	100 00	0 13	-0 19	0 14	0 27	0 24	142 20
200 00	0 17	123 97	200 00	0 39	-0 46	0 41	0 12	0 61	137 86
300 00	0 20	110 08	300 00	0 67	-0 60	0 70	0 05	0 92	130 56
400 00	0 03	263 43	400 00	0 80	-0 66	0 84	0 23	1 07	128 31
500 00	0 17	219 05	500 00	0 67	-0 78	0 72	0 15	1 06	137 37
600 00	0 11	228 22	600 00	0 50	-0 96	0 55	0 06	1 11	150 05
700 00	0 16	230 94	700 00	0 31	-1 11	0 37	0 05	1 17	161 47
800 00	0 23	168 21	800 00	0 23	-1 39	0 30	0 21	1 43	167 67
900 00	0 23	179 20	900 00	0 25	-1 79	0 35	0 04	1 83	168 99
1000 00	0 24	130 22	1000 00	0 40	-2 13	0 51	0 20	2 19	166 49
1100 00	0 24	134 87	1099 99	0 69	-2 41	0 82	0 02	2 55	161 22
1200 00	0 34	114 43	1199 99	1 09	-2 68	1 24	0 14	2 95	155 21
1300 00	0 49	118 60	1299 99	1 72	-3 01	1 88	0 15	3 55	147 95
1400 00	0 67	111 96	1399 99	2 61	-3 43	2 80	0 19	4 43	140 78
1500 00	0 72	101 15	1499 98	3 75	-3 77	3 96	0 14	5 47	133 61
1600 00	0 78	94 60	1599 97	5 04	-3 95	5 26	0 10	6 57	126 92
1700 00	0 97	85 29	1699 96	6 56	-3 93	6 78	0 24	7 84	120 13
1800 00	1 42	77 41	1799 94	8 63	-3 59	8 83	0 48	9 53	112 15
1900 00	1 86	72 04	1899 89	11 42	-2 82	11 58	0 47	11 92	103 70
2000 00	2 38	65 00	1999 83	14 91	-1 45	15 01	0 58	15 08	95 50
2100 00	2 64	67 65	2099 73	19 01	0 31	19 02	0 28	19 02	89 07
2200 00	2 58	69 56	2199 63	23 33	1 97	23 26	0 11	23 34	85 16
2300 00	2 39	71 79	2299 53	27 49	3 41	27 35	0 21	27 56	82 90
2400 00	1 86	78 24	2399 46	31 11	4 39	30 92	0 58	31 23	81 92
2500 00	1 79	76 91	2499 41	34 25	5 07	34 03	0 08	34 40	81 52
2600 00	1 68	81 80	2599 37	37 25	5 64	37 00	0 18	37 43	81 34
2700 00	1 56	86 66	2699 33	40 07	5 93	39 81	0 18	40 25	81 53
2800 00	1 61	90 35	2799 29	42 83	6 00	42 57	0 11	42 99	81 98
2900 00	1 39	99 13	2899 25	45 42	5 79	45 18	0 32	45 55	82 69
3000 00	1 43	94 67	2999 22	47 84	5 50	47 62	0 12	47 93	83 41
3100 00	1 32	94 47	3099 20	50 22	5 31	50 01	0 11	50 29	83 94
3200 00	1 30	104 44	3199 17	52 45	4 94	52 26	0 23	52 49	84 60
3300 00	1 34	98 75	3299 14	54 67	4 48	54 51	0 14	54 69	85 31
3400 00	1 16	92 15	3399 12	56 82	4 26	56 68	0 23	56 84	85 70
3500 00	1 06	98 71	3499 10	58 74	4 08	58 60	0 16	58 75	86 02
3600 00	0 88	110 97	3599 09	60 35	3 67	60 24	0 27	60 35	86 52
3700 00	0 74	104 99	3699 08	61 66	3 23	61 58	0 16	61 66	87 00
3800 00	0 53	59 80	3799 07	62 69	3 29	62 60	0 53	62 69	86 99
3887 00	0 65	100 97	3886 07	63 52	3 40	63 43	0 49	63 52	86 93



Scientific
Drilling

Field: GL Erwin
Site: Lea County, NM
Well: GL Erwin A Federal #11
Wellpath: VH - Job #32K1108884
Survey: 11/07/08



Azimuths to Grid North
True North: 0 00°
Magnetic North: 0 00°

Magnetic Field
Strength: 0nT
Dip Angle: 0 00°
Date: 12/17/2008
Model: igrf2000

