



Field: Central Vacuum
Site: Lea County, NM
Well: CVU #240
Wellpath: DH - Job #32D0705521
Survey: 07/15/05-07/24/05

SUR: N-36-17s-34e, 257/S & 2519/W
BHL: N-36-17s-34e, 19/S & 2522/W
API #30-025-37232

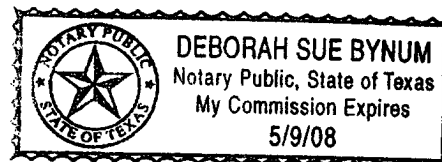
This survey is correct to the best of my knowledge and is supported by actual field data.

.....*Becky Wharton*.....Company Representative

Notorized this date 24th of September, 2005.

Helorah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO	Date: 9/20/2005	Time: 22:18:19	Page: 1
Field: Central Vacuum	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: CVU #240	Section (VS) Reference:	Well (0.00N,0.00E,179.38Azi)	
Wellpath: VH - Job #32K0705520	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 07/16/05	Start Date: 7/16/2005
Company: Scientific Drilling Internatio	Engineer: Gonzales w/P&M
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	359.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.50	187.39	100.00	0.43	-0.43	-0.06	0.50	0.44	187.39
200.00	0.49	179.77	200.00	1.29	-1.29	-0.11	0.07	1.30	184.89
300.00	0.67	150.50	299.99	2.23	-2.23	0.18	0.34	2.24	175.41
400.00	0.87	143.49	399.98	3.36	-3.35	0.92	0.22	3.47	164.66
500.00	0.87	132.68	499.97	4.49	-4.47	1.93	0.16	4.87	156.68
600.00	1.16	108.91	599.95	5.35	-5.32	3.44	0.51	6.33	147.06
700.00	1.38	111.39	699.93	6.14	-6.08	5.52	0.23	8.22	137.76
800.00	1.69	102.26	799.89	6.92	-6.84	8.09	0.39	10.59	130.21
900.00	1.66	108.01	899.85	7.71	-7.60	10.90	0.17	13.29	124.87
1000.00	1.63	106.60	999.81	8.60	-8.45	13.64	0.05	16.05	121.77
1100.00	1.58	111.94	1099.77	9.55	-9.37	16.29	0.16	18.79	119.92
1200.00	1.71	110.76	1199.73	10.62	-10.42	18.96	0.13	21.63	118.78
1300.00	1.59	111.09	1299.69	11.68	-11.44	21.65	0.12	24.49	117.86
1400.00	1.50	122.94	1399.65	12.91	-12.66	24.04	0.33	27.17	117.76
1500.00	1.41	126.46	1499.62	14.38	-14.10	26.13	0.13	29.69	118.35
1600.00	1.33	126.94	1599.59	15.83	-15.53	28.05	0.08	32.06	118.97
1700.00	1.18	137.74	1699.57	17.31	-16.99	29.67	0.28	34.19	119.79
1800.00	1.14	155.44	1799.55	18.98	-18.65	30.77	0.36	35.99	121.22
1900.00	1.03	159.95	1899.53	20.74	-20.40	31.49	0.14	37.53	122.93
2000.00	0.83	142.96	1999.52	22.17	-21.82	32.24	0.34	38.93	124.10
2100.00	0.70	138.65	2099.51	23.22	-22.86	33.08	0.14	40.21	124.65
2200.00	0.89	104.32	2199.50	23.88	-23.51	34.24	0.50	41.53	124.48
2300.00	1.32	83.81	2299.48	23.97	-23.58	36.13	0.58	43.15	123.13
2400.00	1.32	76.42	2399.45	23.60	-23.19	38.40	0.17	44.85	121.12
2500.00	1.37	60.66	2499.43	22.77	-22.33	40.56	0.37	46.30	118.83
2600.00	2.35	66.35	2599.37	21.39	-20.92	43.48	1.00	48.25	115.70
2685.00	1.90	52.70	2684.31	19.87	-19.37	46.20	0.79	50.09	112.75



Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO
 Field: Central Vacuum
 Site: Lea County, NM
 Well: CVU #240
 Wellpath: DH - Job #32D0705521

Date: 9/20/2005 Time: 22:10:59 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,179.38Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/15/05-07/24/05
 MWD 2763'-5021'

Start Date: 7/15/2005

Company: SDI w/Pathfinder
 Tool: MWD;MWD

Engineer: Lamb/Melendez w/Pathfinder
 Tied-to: From: Definitive Path

Survey

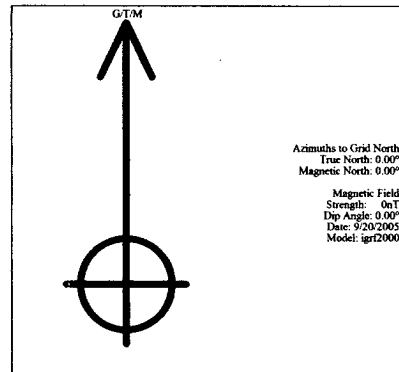
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2685.00	1.90	52.70	2684.31	19.87	-19.37	46.20	0.00	50.09	112.75
2763.00	2.10	62.30	2762.27	18.44	-17.92	48.49	0.50	51.70	110.28
2859.00	3.61	167.37	2858.19	20.60	-20.05	50.71	4.82	54.53	111.58
2955.00	7.83	177.74	2953.69	30.10	-29.54	51.63	4.51	59.48	119.78
3041.00	11.26	179.32	3038.49	44.35	-43.79	51.96	4.00	67.95	130.13
3137.00	11.08	186.88	3132.68	62.87	-62.32	50.97	1.54	80.51	140.73
3233.00	10.73	193.12	3226.95	80.70	-80.19	47.83	1.28	93.37	149.18
3329.00	10.29	200.59	3321.34	97.38	-96.92	42.79	1.49	105.94	156.18
3425.00	11.08	199.63	3415.68	114.02	-113.63	36.67	0.84	119.40	162.11
3522.00	10.73	194.88	3510.93	131.47	-131.14	31.22	0.99	134.81	166.61
3618.00	11.78	189.52	3605.08	149.73	-149.44	27.31	1.54	151.92	169.64
3714.00	11.08	195.50	3699.18	168.24	-168.00	23.22	1.43	169.59	172.13
3809.00	10.55	194.97	3792.49	185.38	-185.20	18.54	0.57	186.12	174.28
3883.00	9.50	195.23	3865.36	197.78	-197.63	15.18	1.42	198.21	175.61
3979.00	6.77	191.19	3960.39	210.95	-210.83	12.00	2.90	211.17	176.74
4075.00	5.10	206.04	4055.87	220.30	-220.22	9.03	2.35	220.40	177.65
4175.00	3.17	210.09	4155.61	226.65	-226.60	5.69	1.95	226.67	178.56
4267.00	1.49	198.31	4247.53	229.97	-229.94	4.04	1.89	229.97	178.99
4363.00	0.18	147.86	4343.52	231.28	-231.25	3.73	1.44	231.28	179.08
4459.00	0.44	211.67	4439.52	231.72	-231.69	3.62	0.41	231.72	179.11
4555.00	0.44	186.27	4535.51	232.40	-232.37	3.38	0.20	232.40	179.17
4651.00	0.70	199.54	4631.51	233.31	-233.29	3.15	0.30	233.31	179.23
4747.00	0.53	193.21	4727.50	234.29	-234.28	2.85	0.19	234.29	179.30
4843.00	0.88	182.49	4823.50	235.46	-235.45	2.71	0.39	235.46	179.34
4939.00	0.62	160.87	4919.49	236.69	-236.67	2.85	0.40	236.69	179.31
5021.00	0.62	160.87	5001.48	237.53	-237.51	3.14	0.00	237.53	179.24

19' South 2522' West



Scientific
Drilling

Field: Central Vacuum
Site: Lea County, NM
Well: CVU #240
Wellpath: DH - Job #32D0705521
Survey: 07/15/05-07/24/05



West(-)/East(+) [50ft/in]

South(-)/North(+) [50ft/in]

