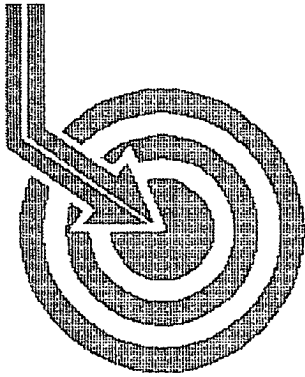




Scientific Drilling

SUR: H-3-22s-37e, 1881/N & 1183/E
BHL: C-03-22s-37e, 1179/N & 1341/E
API # 30-025-37385

CHEVRON

Field: Penrose Skelly
Site: Lea County, NM
Well: Mark #13
Wellpath: DH - Job #32D1205905
Survey: 12/09/05-12/20/05

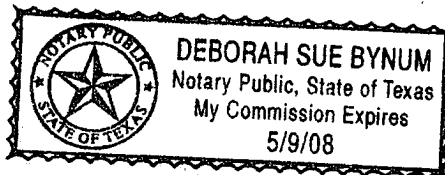
This survey is correct to the best of my knowledge
and is supported by actual field data.

Blanton.....Company Representative

Notorized this date 19th of January, 2006.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CHEVRON	Date: 1/19/2006	Time: 18:58:13	Page: 1
Field: Penrose Skelly	Co-ordinate(NE) Reference:	Well: Mark #13, True North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Mark #13	Section (VS) Reference:	Well (0.00N,0.00E,347.25Azi)	
Wellpath: VH - Job #32K1205912	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 12/13/05	Start Date: 12/13/2005
Company: Scientific Drilling Internatio	Engineer: Gonzales/Madrid/Stahl
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	359.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.65	175.60	100.00	-0.56	-0.57	0.04	0.65	0.57	175.60
200.00	0.62	165.59	199.99	-1.66	-1.66	0.22	0.11	1.67	172.37
300.00	0.44	164.65	299.99	-2.59	-2.55	0.46	0.18	2.59	169.82
400.00	0.61	186.59	399.98	-3.47	-3.45	0.50	0.26	3.48	171.77
500.00	0.57	183.97	499.98	-4.45	-4.47	0.40	0.05	4.49	174.85
600.00	0.59	181.83	599.97	-5.43	-5.48	0.35	0.03	5.50	176.33
700.00	0.68	191.64	699.97	-6.47	-6.58	0.22	0.14	6.58	178.12
800.00	0.77	184.52	799.96	-7.65	-7.83	0.04	0.13	7.83	179.68
900.00	0.71	180.17	899.95	-8.89	-9.12	-0.01	0.08	9.12	180.07
1000.00	0.48	187.63	999.94	-9.89	-10.16	-0.07	0.24	10.16	180.39
1100.00	0.45	190.42	1099.94	-10.64	-10.96	-0.20	0.04	10.96	181.02
1200.00	0.29	212.36	1199.94	-11.18	-11.56	-0.40	0.21	11.56	181.99
1300.00	0.04	205.65	1299.94	-11.39	-11.80	-0.55	0.25	11.81	182.68
1400.00	0.17	355.73	1399.94	-11.27	-11.69	-0.58	0.21	11.70	182.84
1500.00	0.22	262.89	1499.94	-11.10	-11.56	-0.78	0.28	11.59	183.86
1600.00	0.35	347.46	1599.94	-10.78	-11.29	-1.04	0.40	11.33	185.25
1700.00	0.54	33.51	1699.93	-10.15	-10.60	-0.84	0.39	10.63	184.55
1800.00	0.63	24.67	1799.93	-9.39	-9.70	-0.35	0.13	9.71	182.09
1900.00	1.02	48.32	1899.92	-8.52	-8.61	0.54	0.51	8.63	176.41
2000.00	1.19	63.23	1999.90	-7.84	-7.55	2.13	0.33	7.85	164.23
2100.00	1.09	55.77	2099.88	-7.24	-6.55	3.85	0.18	7.60	149.58
2175.00	1.14	62.38	2174.87	-6.78	-5.80	5.10	0.18	7.72	138.70



Scientific Drilling International Survey Report

Company: CHEVRON	Date: 1/19/2006	Time: 19:07:24	Page: 1
Field: Penrose Skelly	Co-ordinate(NE) Reference:	Well: Mark #13, True North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Mark #13	Section (VS) Reference:	Well (0.00N,0.00E,347.25Azi)	
Wellpath: DH - Job #32D1205905	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 12/09/05-12/20/05 MWD 2211'-4490'	Start Date: 12/9/2005
Company: Scientific Drilling Internatio	Engineer: Barbre/Jezek/Daughterty/Prater
Tool: MWD;MWD	Tied-to: From: Definitive Path

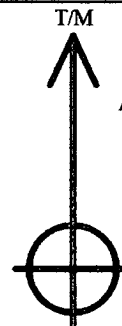
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2175.00	1.14	62.38	2174.87	-6.78	-5.80	5.10	0.00	7.72	138.70
2211.00	1.32	55.17	2210.86	-6.54	-5.40	5.75	0.66	7.89	133.18
2274.00	1.91	19.86	2273.83	-5.38	-4.00	6.71	1.79	7.81	120.80
2369.00	4.45	359.44	2368.68	-0.44	1.18	7.21	2.89	7.30	80.72
2463.00	5.42	358.62	2462.33	7.47	9.26	7.07	1.03	11.65	37.34
2558.00	6.85	348.85	2556.79	17.54	19.31	5.86	1.86	20.18	16.89
2652.00	7.94	352.78	2650.01	29.60	31.25	3.96	1.28	31.50	7.23
2715.00	8.85	350.71	2712.33	38.77	40.35	2.63	1.52	40.43	3.73
2778.00	10.07	345.42	2774.48	49.11	50.46	0.46	2.38	50.46	0.53
2841.00	11.13	345.22	2836.40	60.70	61.67	-2.47	1.68	61.72	357.70
2904.00	12.59	346.12	2898.05	73.64	74.22	-5.67	2.34	74.43	355.63
2966.00	13.66	346.51	2958.43	87.72	87.90	-9.00	1.73	88.36	354.15
3030.00	15.18	346.02	3020.41	103.65	103.38	-12.79	2.38	104.17	352.95
3092.00	16.42	344.78	3080.07	120.52	119.71	-17.05	2.07	120.92	351.89
3155.00	17.80	344.44	3140.28	139.04	137.58	-21.97	2.20	139.32	350.93
3218.00	19.09	345.50	3200.04	158.95	156.83	-27.13	2.12	159.16	350.18
3281.00	20.92	346.96	3259.24	180.50	177.76	-32.25	3.01	180.67	349.72
3344.00	22.51	346.92	3317.77	203.81	200.47	-37.52	2.52	203.95	349.40
3407.00	23.93	347.41	3375.66	228.65	224.69	-43.03	2.27	228.77	349.16
3471.00	25.37	346.80	3433.83	255.34	250.71	-48.99	2.28	255.45	348.94
3535.00	26.61	346.68	3491.36	283.38	278.00	-55.43	1.94	283.47	348.72
3598.00	27.34	347.61	3547.50	311.96	305.86	-61.78	1.34	312.04	348.58
3691.00	26.84	345.64	3630.30	354.30	347.06	-71.57	1.10	354.37	348.35
3785.00	27.57	345.13	3713.90	397.25	388.64	-82.42	0.82	397.29	348.03
3879.00	27.14	344.96	3797.39	440.41	430.38	-93.56	0.46	440.43	347.73
3974.00	26.71	345.15	3882.09	483.40	471.94	-104.66	0.46	483.40	347.50
4069.00	27.55	346.82	3966.64	526.71	513.97	-115.14	1.19	526.71	347.37
4163.00	27.41	347.01	4050.03	570.08	556.22	-124.96	0.18	570.08	347.34
4257.00	27.54	346.99	4133.43	613.45	598.47	-134.72	0.14	613.45	347.31
4352.00	27.12	347.49	4217.83	657.06	641.01	-144.35	0.50	657.06	347.31
4446.00	26.81	347.34	4301.61	699.69	682.61	-153.64	0.34	699.69	347.32
4490.00	26.81	347.34	4340.88	719.53	701.97	-157.99	0.00	719.53	347.32



**Scientific
Drilling**

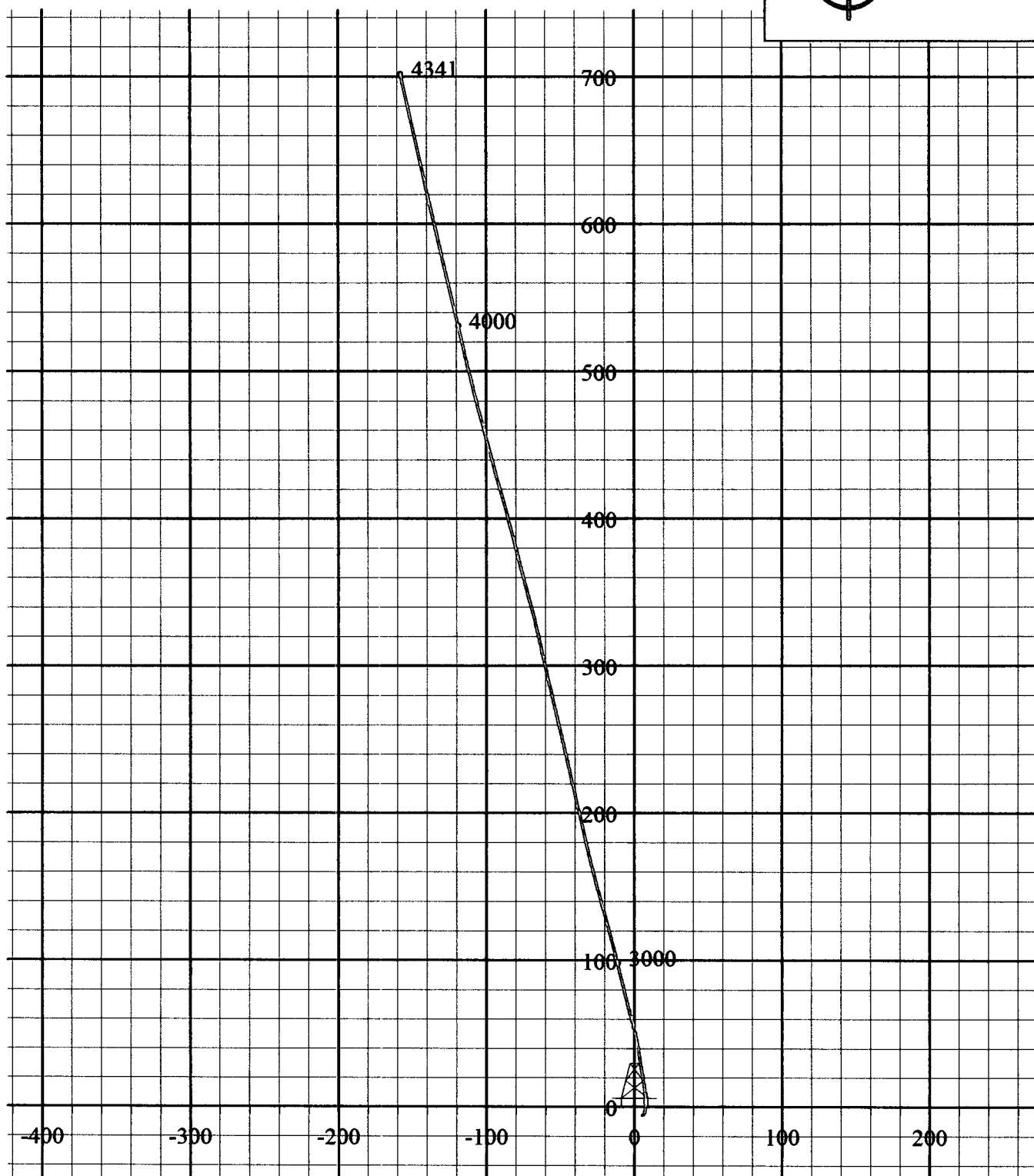
Field: Penrose Skelly
Site: Lea County, NM
Well: Mark #13
Wellpath: DH - Job #32D1205905
Survey: 12/09/05-12/20/05



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 1/19/2006
Model: igrf2000

South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/in]