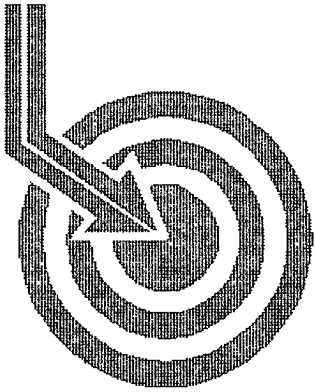




Scientific Drilling

RECEIVED

FEB 11 2010
HOBBSOCD

APACHE CORPORATION

Field: Penrose Skelly
Site: Lea County, NM
Well: Turner #6
Wellpath: DH - Job #32D1209582
Survey: 12/22/09-12/26/09

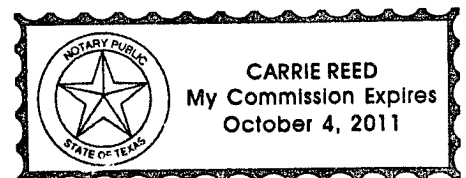
SUR: P-29-21s-37e, 640/S & 1090/E
BHL: P-29-21s-37e, 374/S & 937/E
API #30-025-39592

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

.....*Stewart*.....Company Representative

Notorized this date 30th of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: APACHE CORPORATION Date: 12/29/2009 Time: 13:35:23 Page: 1
Field: Penrose Skelly Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Site: Lea County, NM Vertical (TVD) Reference: SITE 0.0
Well: Turner #6 Section (VS) Reference: Well (0.00N,0.00E,149.35Azi)
Wellpath: VH-Job #32K1209588 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 12/23/09 Start Date: 12/23/2009
KSRG 0'-1224'
Company: Scientific Drilling Internatio Engineer: Melendez/Garza/Rowe
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	359.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.14	51.46	100.00	-0.02	0.08	0.10	0.14	0.12	51.46
200.00	0.19	79.06	200.00	0.02	0.18	0.35	0.09	0.40	62.57
300.00	0.31	113.55	300.00	0.30	0.11	0.76	0.19	0.77	82.03
400.00	0.27	139.34	400.00	0.75	-0.18	1.17	0.14	1.18	98.76
500.00	0.14	154.30	500.00	1.10	-0.47	1.37	0.14	1.45	108.85
600.00	0.22	228.14	600.00	1.26	-0.71	1.28	0.23	1.46	118.85
700.00	0.20	233.50	700.00	1.32	-0.94	1.00	0.03	1.37	133.21
800.00	0.23	202.51	799.99	1.46	-1.23	0.78	0.12	1.46	147.50
900.00	0.52	168.34	899.99	2.00	-1.86	0.80	0.35	2.02	156.78
1000.00	0.57	156.00	999.99	2.93	-2.76	1.09	0.13	2.96	158.40
1100.00	0.61	177.53	1099.98	3.89	-3.74	1.32	0.22	3.97	160.62
1200.00	0.74	197.28	1199.98	4.79	-4.89	1.15	0.26	5.02	166.80
1224.00	0.88	204.58	1223.97	5.00	-5.21	1.02	0.72	5.31	168.86



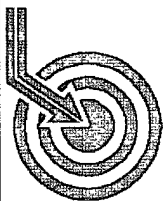
Scientific Drilling International Survey Report

Company: APACHE CORPORATION	Date: 12/29/2009	Time: 22:21:52	Page: 1
Field: Penrose Skelly	Co-ordinate(NE) Reference:	Site: Lea County, NM; Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Turner #6	Section (VS) Reference:	Well (0.00N,0.00E,149.35Azi)	
Wellpath: DH - Job #32D1209582	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey: 12/22/09-12/26/09	Start Date: 12/22/2009
Company: Scientific Drilling Internatio	Engineer: Lopez/Baldwin
Tool: MWD;MWD	Tied-to: From: Definitive Path

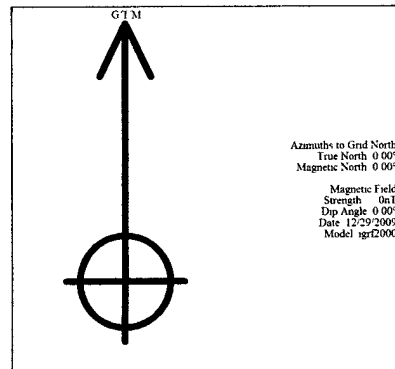
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
1224.00	0.88	204.58	1223.97	5.00	-5.21	1.02	0.00	5.31	168.86
1304.00	0.74	192.77	1303.97	5.73	-6.27	0.66	0.27	6.30	174.03
1367.00	1.14	136.78	1366.96	6.63	-7.12	0.99	1.51	7.19	172.05
1431.00	1.85	143.02	1430.94	8.28	-8.41	2.05	1.14	8.66	166.29
1495.00	3.17	136.96	1494.87	11.04	-10.53	3.88	2.10	11.22	159.77
1558.00	4.22	140.21	1557.74	15.03	-13.59	6.55	1.70	15.08	154.25
1653.00	5.45	143.64	1652.40	22.97	-19.90	11.47	1.33	22.97	150.06
1749.00	5.61	138.90	1747.96	32.12	-27.11	17.25	0.50	32.14	147.53
1843.00	8.00	142.41	1841.29	43.13	-35.76	24.26	2.58	43.21	145.84
1938.00	8.79	144.87	1935.27	56.93	-46.93	32.47	0.91	57.07	145.32
2033.00	9.15	147.86	2029.11	71.72	-59.27	40.67	0.62	71.88	145.54
2129.00	10.64	149.35	2123.68	88.21	-73.35	49.25	1.57	88.35	146.12
2224.00	11.43	149.62	2216.92	106.40	-89.02	58.48	0.83	106.51	146.70
2319.00	12.07	150.55	2309.93	125.74	-105.79	68.12	0.70	125.83	147.22
2414.00	11.87	150.58	2402.86	145.44	-122.95	77.81	0.21	145.50	147.67
2510.00	10.82	150.23	2496.99	164.32	-139.37	87.13	1.10	164.37	147.99
2605.00	9.50	148.03	2590.49	181.07	-153.76	95.71	1.45	181.12	148.10
2700.00	9.50	148.47	2684.19	196.75	-167.10	103.96	0.08	196.80	148.11
2795.00	8.62	148.47	2778.01	211.71	-179.85	111.78	0.93	211.76	148.14
2890.00	9.01	146.40	2871.88	226.26	-192.11	119.62	0.53	226.31	148.09
2985.00	7.83	144.69	2965.86	240.13	-203.59	127.48	1.27	240.21	147.95
3081.00	8.35	149.09	3060.90	253.62	-214.91	134.84	0.84	253.71	147.89
3176.00	7.91	147.77	3154.95	267.06	-226.35	141.87	0.50	267.14	147.92
3272.00	6.07	155.68	3250.23	278.70	-236.57	147.48	2.16	278.78	148.06
3367.00	4.74	155.19	3344.81	287.60	-244.71	151.20	1.40	287.65	148.29
3462.00	3.78	153.22	3439.54	294.63	-251.07	154.26	1.02	294.67	148.43
3558.00	1.67	159.20	3535.43	299.17	-255.20	156.18	2.21	299.20	148.53
3653.00	0.53	196.20	3630.41	300.83	-256.92	156.55	1.35	300.85	148.64
3749.00	0.35	179.94	3726.41	301.39	-257.64	156.43	0.23	301.41	148.74
3844.00	0.26	236.80	3821.41	301.65	-258.04	156.25	0.32	301.66	148.80
3939.00	0.98	206.34	3916.40	302.10	-258.89	155.71	0.81	302.11	148.98
4066.00	1.05	197.08	4043.38	303.47	-260.98	154.88	0.14	303.47	149.31
4161.00	1.05	202.01	4138.37	304.59	-262.61	154.30	0.10	304.59	149.56
4256.00	0.61	197.14	4233.36	305.45	-263.90	153.82	0.47	305.46	149.76
4376.00	0.67	188.22	4353.35	306.43	-265.21	153.54	0.10	306.45	149.93



Scientific
Drilling

Field: Penrose Skelly
Site: Lea County, NM
Well: Turner #6
Wellpath: DH - Job #32D1209582
Survey: 12/22/09-12/26/09



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

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

