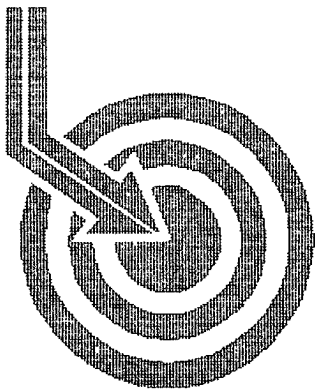


RECEIVED

JAN 19 2009
HOBBSOCD



Scientific Drilling

APACHE CORPORATION

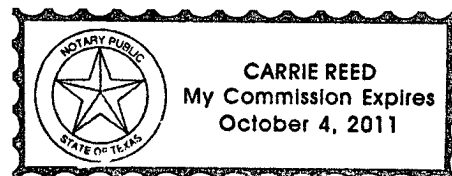
Field: Penrose Skelly
Site: Lea County, NM
Well: Southland Royalty A #28
Wellpath: DH - Job #32D1209556
Survey: 12/16/09-12/19/09

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

.....Richardson.....Company Representative

Notorized this date 16th of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: APACHE CORPORATION. Date: 12/17/2009 Time: 10:27:03 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: Southland Royalty A #28 Section (VS) Reference: Well (0.00N,0.00E,193.25Azi)
Wellpath: VH - Job #32K1209567 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 12/16/09 Start Date: 12/16/2009
KSRG 0'-1243'
Company: Scientific Drilling Internatio Engineer: Guebara/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	359.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.38	359.43	100.00	-0.32	0.33	0.00	0.38	0.33	359.43
200.00	0.39	334.19	200.00	-0.91	0.97	-0.15	0.17	0.98	350.93
300.00	0.48	0.32	299.99	-1.58	1.69	-0.30	0.22	1.72	349.94
400.00	0.46	345.79	399.99	-2.35	2.50	-0.40	0.12	2.53	350.99
500.00	0.58	356.30	499.99	-3.19	3.40	-0.53	0.15	3.44	351.16
600.00	0.60	358.58	599.98	-4.18	4.43	-0.57	0.03	4.46	352.61
700.00	0.60	357.54	699.98	-5.19	5.47	-0.61	0.01	5.51	353.65
800.00	0.67	1.81	799.97	-6.26	6.58	-0.61	0.08	6.61	354.68
900.00	0.60	349.41	899.96	-7.32	7.68	-0.69	0.15	7.71	354.86
1000.00	0.67	350.93	999.96	-8.34	8.77	-0.88	0.07	8.81	354.28
1100.00	0.78	34.78	1099.95	-9.51	9.91	-0.58	0.55	9.92	356.63
1200.00	0.76	3.52	1199.94	-10.80	11.13	-0.15	0.42	11.13	359.21
1243.00	0.82	14.13	1242.94	-11.39	11.71	-0.06	0.37	11.71	359.70



Scientific
Drilling

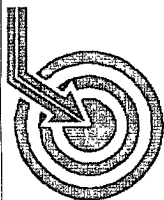
Scientific Drilling International Survey Report

Company: APACHE CORPORATION	Date: 12/29/2009	Time: 22:06:14	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: Southland Royalty A #28	Section (VS) Reference:	Well: (0.00N,0.00E,193.25Azi)	
Wellpath: DH - Job #32D1209556	Survey Calculation Method:	Minimum Curvature	
		Db:	Sybase

Survey: 12/16/09-12/19/09	Start Date: 12/16/2009
MWD 1431'-4346'	
Company: Scientific Drilling Internatio	Engineer: Calvert/Baldwin
Tool: MWD;MWD	Tied-to: From: Definitive Path

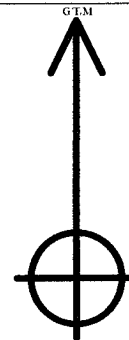
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
1243.00	0.82	14.13	1242.94	-11.39	11.71	-0.06	0.00	11.71	359.70
1431.00	0.95	36.15	1430.92	-14.17	14.27	1.19	0.19	14.32	4.75
1622.00	0.83	7.01	1621.89	-17.00	16.93	2.29	0.24	17.08	7.70
1749.00	1.16	11.55	1748.87	-19.20	19.10	2.66	0.27	19.28	7.93
1844.00	0.81	174.88	1843.87	-19.52	19.37	2.91	2.05	19.59	8.55
1939.00	3.51	186.49	1938.79	-16.00	15.81	2.64	2.86	16.03	9.49
2034.00	5.66	186.64	2033.48	-8.46	8.27	1.77	2.26	8.46	12.09
2130.00	7.62	183.06	2128.84	2.51	-2.79	0.88	2.09	2.93	162.41
2225.00	8.62	194.38	2222.89	15.83	-15.98	-1.22	1.98	16.02	184.37
2320.00	11.02	193.55	2316.49	32.03	-31.70	-5.12	2.53	32.11	189.17
2415.00	10.86	198.41	2409.76	50.02	-49.02	-10.07	0.99	50.05	191.61
2574.00	9.71	197.24	2566.21	78.32	-76.04	-18.77	0.74	78.32	193.87
2764.00	10.51	197.43	2753.26	111.59	-107.88	-28.71	0.42	111.63	194.90
2891.00	10.40	192.00	2878.15	134.60	-130.14	-34.57	0.78	134.65	194.87
2987.00	8.47	193.89	2972.85	150.33	-145.48	-38.07	2.04	150.38	194.66
3146.00	7.12	195.43	3130.37	171.89	-166.35	-43.50	0.86	171.94	194.65
3273.00	6.14	197.19	3256.52	186.53	-180.42	-47.60	0.79	186.60	194.78
3399.00	5.16	196.93	3381.91	198.91	-192.28	-51.24	0.78	198.99	194.92
3495.00	3.57	187.93	3477.63	206.19	-199.37	-52.91	1.80	206.27	194.86
3590.00	1.11	161.03	3572.55	209.92	-203.17	-53.02	2.77	209.98	194.63
3685.00	0.74	7.16	3667.54	210.09	-203.43	-52.64	1.90	210.14	194.51
3876.00	0.98	1.21	3858.52	207.26	-200.58	-52.46	0.13	207.32	194.66
4066.00	0.74	344.26	4048.50	204.60	-197.77	-52.76	0.18	204.69	194.94
4267.00	0.93	16.56	4249.48	201.84	-194.96	-52.64	0.25	201.94	195.11
4346.00	0.77	40.51	4328.47	200.72	-193.94	-52.11	0.49	200.82	195.04



Scientific
Drilling

Field: Penrose Skelly
Site: Lea County, NM
Well: Southland Royalty A #28
Wellpath: DH - Job #32D1209556
Survey: 12/16/09-12/19/09



Azimuths to Grid North
True North 0 00°
Magnetic North 0 00°
Magnetic Field
Strength 0nT
Dip Angle 0 00°
Date 12/29/2009
Model grf2000

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

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

