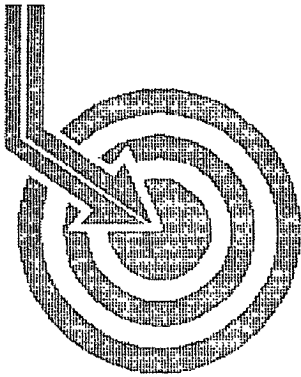




Scientific Drilling

30-025-39568
C -13- 21S- 37E
1090 FNL & 1485 FWL

RECEIVED

JAN 27 2010

HOBBSOCD

APACHE CORPORATION

Field: Eunice
Site: Lea County, NM
Well: East Blinebry Drinkard Unit #82
Wellpath: DH - Job #32D1209538
Survey: 12/03/09-12/12/09

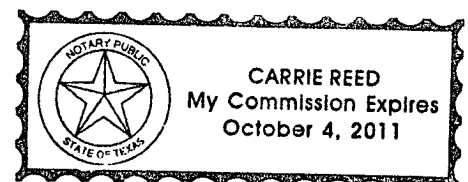
SUR: C-13-21s-37e, 1090/N & 1485/W
BHL: C-13-21s-37e, 1243/N & 1314/W
API #30-025-39568

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

.....Richard..... 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: 12/09/2009 Time: 13:12:31 Page: 1
Field: Eunice Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Site: Lea County, NM Vertical (TVD) Reference: SITE 0.0
Well: East Blinbry Drinkard Unit #8 Section (VS) Reference: Well (0.00N,0.00E,224.40Azi)
Wellpath: VH - Job #32K1209544 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 12/07/09 Start Date: 12/07/2009
KSRG 0'-1318'
Company: Scientific Drilling Internatio Engineer: Melendez w/Express
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	359.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.31	100.46	100.00	-0.15	-0.05	0.27	0.31	0.27	100.46
200.00	0.21	70.01	200.00	-0.47	-0.04	0.70	0.17	0.71	92.89
300.00	0.21	141.99	300.00	-0.61	-0.12	0.99	0.25	1.00	96.76
400.00	0.31	185.99	400.00	-0.37	-0.53	1.07	0.22	1.20	116.30
500.00	0.35	158.43	500.00	-0.04	-1.08	1.16	0.16	1.59	133.10
600.00	0.37	140.19	599.99	0.12	-1.62	1.48	0.12	2.19	137.57
700.00	0.46	133.64	699.99	0.15	-2.14	1.97	0.10	2.91	137.32
800.00	0.54	130.37	799.99	0.11	-2.72	2.62	0.08	3.78	136.07
900.00	0.64	141.06	899.98	0.14	-3.46	3.33	0.15	4.81	136.09
1000.00	0.88	169.57	999.97	0.65	-4.65	3.82	0.44	6.02	140.58
1100.00	0.97	180.30	1099.96	1.70	-6.25	3.96	0.19	7.40	147.67
1200.00	0.97	183.28	1199.95	2.94	-7.95	3.91	0.05	8.85	153.82
1300.00	0.77	196.12	1299.93	4.17	-9.44	3.67	0.28	10.12	158.74
1318.00	0.72	198.59	1317.93	4.38	-9.66	3.60	0.33	10.31	159.56



Scientific Drilling International Survey Report

Company: APACHE CORPORATION	Date: 12/16/2009	Time: 13:17:28	Page: 1
Field: Eunice	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: East Blinbry Drinkard Unit #8	Section (VS) Reference:	Well (0.00N,0.00E,224.40Azi)	
Wellpath: DH - Job #32D1209538	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 12/03/09-12/12/09	Start Date: 12/03/2009
MWD 1517'-5043'	
Company: Scientific Drilling Internatio	Engineer: Calvert/Becker/Stewart
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
1318.00	0.72	198.59	1317.93	4.38	-9.66	3.60	0.00	10.31	159.56
1517.00	0.77	201.02	1516.92	6.74	-12.09	2.72	0.03	12.40	167.31
1712.00	0.90	196.39	1711.90	9.29	-14.79	1.82	0.08	14.90	172.98
1902.00	0.81	194.76	1901.87	11.77	-17.52	1.06	0.05	17.55	176.55
2093.00	0.71	138.16	2092.86	13.03	-19.70	1.50	0.38	19.76	175.64
2284.00	0.62	84.69	2283.85	12.31	-20.49	3.32	0.32	20.76	170.79
2474.00	0.86	84.43	2473.83	10.44	-20.26	5.76	0.13	21.06	164.12
2667.00	1.11	88.77	2666.80	7.99	-20.07	9.07	0.14	22.03	155.68
2855.00	0.34	269.74	2854.79	7.08	-20.04	10.34	0.77	22.55	152.71
2950.00	1.23	257.18	2949.79	8.14	-20.27	9.06	0.95	22.20	155.91
3046.00	3.55	238.47	3045.70	11.89	-22.05	5.52	2.52	22.73	165.94
3141.00	5.93	232.87	3140.36	19.60	-26.55	-0.90	2.55	26.56	181.94
3237.00	7.70	231.17	3235.68	30.89	-33.58	-9.86	1.86	34.99	196.37
3332.00	9.25	229.76	3329.64	44.81	-42.50	-20.65	1.65	47.25	205.91
3427.00	9.30	230.36	3423.40	60.05	-52.33	-32.39	0.11	61.54	211.76
3523.00	11.43	227.63	3517.83	77.26	-63.69	-45.39	2.28	78.21	215.48
3618.00	10.94	227.66	3611.02	95.66	-76.10	-59.01	0.52	96.30	217.79
3713.00	10.26	227.47	3704.40	113.11	-87.90	-71.91	0.72	113.56	219.29
3840.00	11.75	227.36	3829.06	137.32	-104.30	-89.76	1.17	137.60	220.71
3936.00	9.41	237.26	3923.43	154.74	-115.17	-103.55	3.08	154.88	221.96
4031.00	7.29	237.07	4017.42	168.19	-122.65	-115.14	2.23	168.23	223.19
4155.00	6.86	237.66	4140.48	183.07	-130.89	-128.00	0.35	183.07	224.36
4250.00	5.72	230.17	4234.90	193.31	-136.95	-136.43	1.48	193.31	224.89
4345.00	4.19	210.87	4329.55	201.39	-142.96	-141.85	2.36	201.40	224.78
4440.00	3.08	212.51	4424.36	207.26	-148.10	-145.00	1.17	207.26	224.40
4535.00	1.78	268.94	4519.28	210.81	-150.28	-147.85	2.70	210.81	224.53
4631.00	0.81	330.23	4615.26	211.69	-149.71	-149.68	1.63	211.70	224.99
4789.00	1.00	1.76	4773.24	210.37	-147.37	-150.19	0.33	210.41	225.54
4948.00	1.22	345.13	4932.21	208.49	-144.34	-150.58	0.24	208.59	226.21
5043.00	0.75	156.14	5027.21	208.20	-143.94	-150.59	2.07	208.31	226.29



**Scientific
Drilling**

Field: Eunice

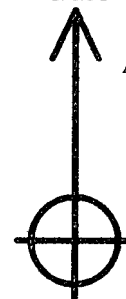
Site: Lea County, NM

Well: East Blinebry Drinkard Unit #82

Wellpath: DH - Job #32D1209538

Survey: 12/03/09-12/12/09

G/T/M

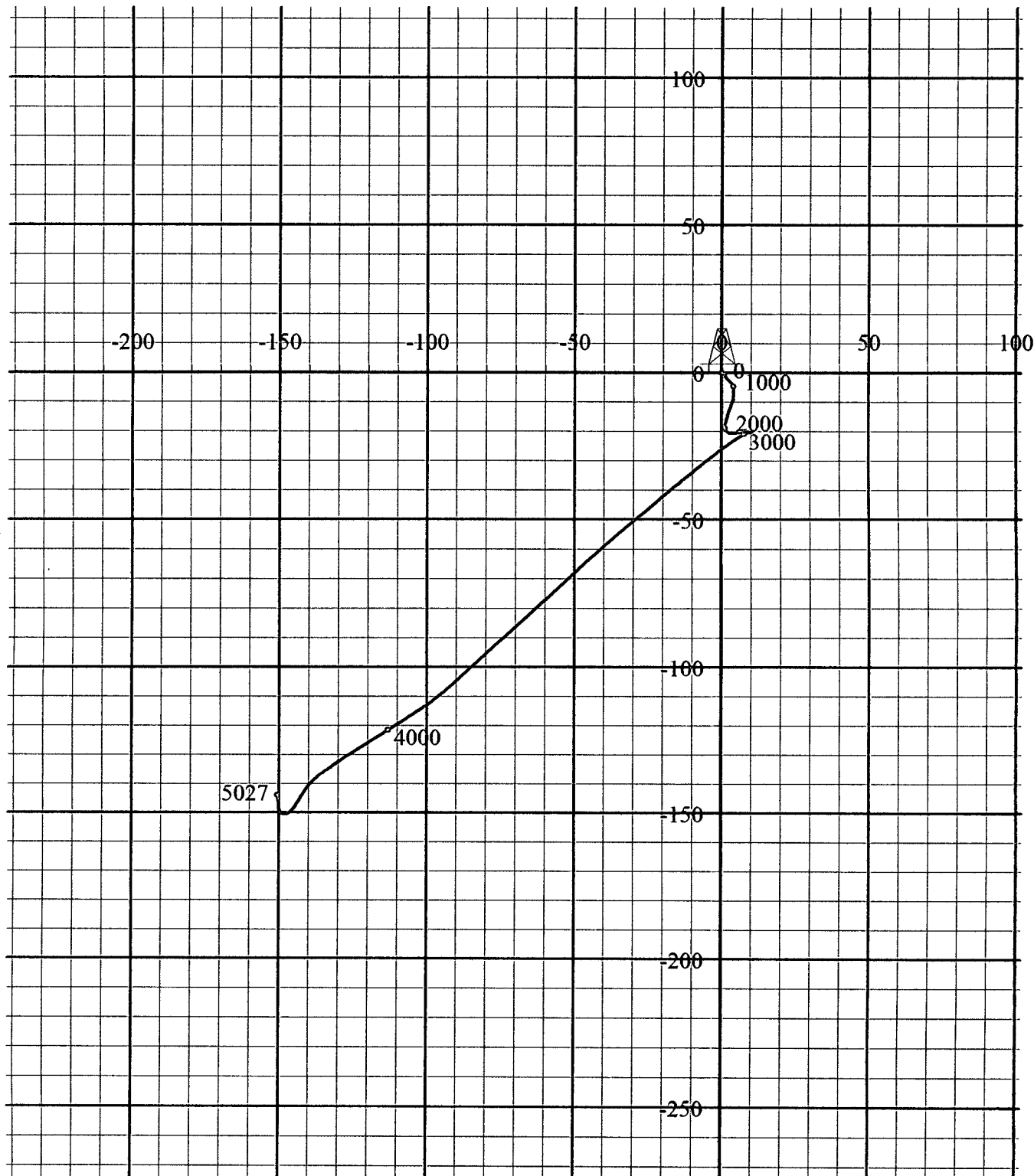


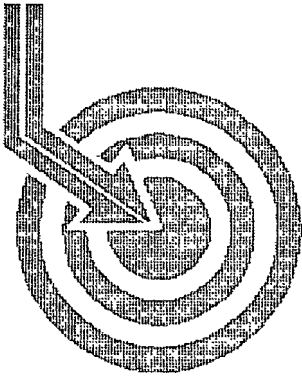
Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/16/2009
Model: igrf2000

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

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





Scientific Drilling

RECEIVED

JAN 27 2010
HOBBSOCD

APACHE CORPORATION

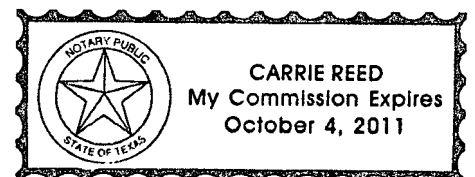
Field: Eunice
Site: Lea County, NM
Well: East Blinebry Drinkard Unit #82
Wellpath: VH - Job #32K1209553
Survey: 12/14/09

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

.....*K. W. Barton*..... Company Representative

Notorized this date 31st of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: APACHE CORPORATION	Date: 01/07/2010	Time: 11:22:33	Page: 1
Field: Eunice	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: East Blinbry Drinkard Unit #8	Section (VS) Reference:	Well (0.00N,0.00E,224.40Azi)	
Wellpath: VH - Job #32K1209553	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 12/14/09	Start Date: 12/14/2009
Company: KSRG 5108'-7483'	
Tool: Scientific Drilling Internatio	Engineer: Guebara/Garza
Keeper;Keeper Gyro	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
5043.00	0.75	156.14	5027.21	208.20	-143.94	-150.59	0.00	208.31	226.29
5108.00	0.99	150.97	5092.20	208.52	-144.82	-150.14	0.39	208.60	226.04
5203.00	0.96	156.28	5187.19	209.05	-146.26	-149.43	0.10	209.10	225.61
5298.00	0.97	154.63	5282.17	209.62	-147.72	-148.76	0.03	209.64	225.20
5393.00	0.92	163.19	5377.16	210.27	-149.17	-148.20	0.16	210.27	224.81
5482.00	0.77	164.10	5466.15	210.91	-150.43	-147.83	0.17	210.91	224.50
5578.00	0.63	174.07	5562.14	211.57	-151.58	-147.59	0.19	211.57	224.24
5673.00	0.62	222.56	5657.14	212.41	-152.48	-147.89	0.54	212.41	224.13
5769.00	0.61	213.09	5753.13	213.43	-153.29	-148.52	0.11	213.44	224.09
5865.00	0.52	225.46	5849.13	214.37	-154.02	-149.11	0.16	214.37	224.07
5960.00	0.53	246.08	5944.13	215.21	-154.50	-149.82	0.20	215.21	224.12
6056.00	0.42	256.59	6040.12	215.92	-154.76	-150.57	0.15	215.92	224.21
6150.00	0.42	273.70	6134.12	216.43	-154.82	-151.24	0.13	216.44	224.33
6245.00	0.50	279.14	6229.12	216.90	-154.73	-152.00	0.10	216.90	224.49
6341.00	0.69	286.16	6325.11	217.42	-154.50	-152.97	0.21	217.42	224.71
6436.00	0.72	295.27	6420.10	217.88	-154.09	-154.06	0.12	217.89	224.99
6532.00	0.72	296.58	6516.10	218.27	-153.56	-155.14	0.02	218.29	225.29
6628.00	0.71	294.39	6612.09	218.65	-153.05	-156.23	0.03	218.70	225.59
6723.00	0.77	292.88	6707.08	219.09	-152.56	-157.35	0.07	219.16	225.89
6817.00	0.92	294.60	6801.07	219.58	-152.00	-158.62	0.16	219.69	226.22
6911.00	1.09	271.73	6895.06	220.44	-151.66	-160.20	0.46	220.60	226.57
7007.00	0.97	265.16	6991.04	221.67	-151.70	-161.92	0.18	221.88	226.87
7102.00	0.94	267.47	7086.03	222.85	-151.80	-163.50	0.05	223.10	227.13
7198.00	0.92	270.63	7182.02	223.96	-151.82	-165.06	0.06	224.26	227.39
7293.00	1.03	267.06	7277.00	225.11	-151.86	-166.67	0.13	225.48	227.66
7388.00	1.07	257.03	7371.99	226.49	-152.10	-168.39	0.20	226.91	227.91
7483.00	0.86	244.87	7466.97	227.90	-152.61	-169.90	0.31	228.37	228.07



Scientific
Drilling

Field: Eunice

Site: Lea County, NM

Well: East Blinebry Drinkard Unit #82

Wellpath: VH - Job #32K1209553

Survey: 12/14/09



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/15/2009
Model: igrf2000

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

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

