

Results of Directional Survey

DD

API number:	30-025-39286		
OGRID:		Operator:	APACH CORP
		Property:	STATE C TRACT 13 # 14

surface	ULSTR:	F	36	T	21S	R	37E
			1331	FN		1530	FW

BH Loc	ULSTR:	F	36	T	21S	R	37E
			1360	FN		1353	FW

Top Perf/OH	ULSTR:	F	36	T	21S	R	37E
			5679			1354	FN
						1353	FW

Bot Perf/OH	ULSTR:	F	36	T	21S	R	37E
			6624			1360	FN
						1354	FW

	MD	N/S	E/W	VD
	5633	-22.70	-176.70	5614.7
TOP PERFS/OH	5679	-23.21	-176.80	5660.70
	5724	-23.70	-176.90	5705.70
	6571.7	-29.00	-176.30	6553.40
BOT PERFS/OH	6624	-29.06	-176.47	6605.70
	6662.8	-29.10	-176.60	6644.50

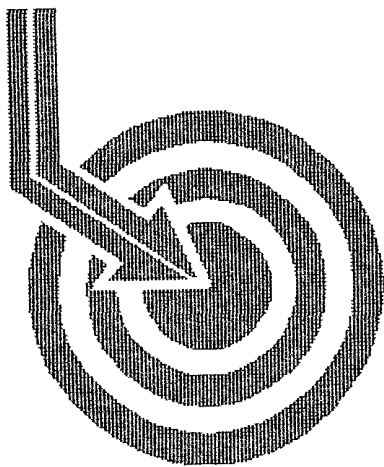
NEXT TO LAST	6662.8	-29.10	-176.60	6644.50
LAST READING	6750.7	-29.10	-176.60	6732.40
TD	6838	-29.10	-176.60	6819.70

Surface Location	1331	FN	1530	FW
Projected BHL	1360	FN	1353	FW
Location of				
Top Perfs/OH	1354	FN	1353	FW
Bottom Perfs/OH	1360	FN	1354	FW

SUMMARY of Subsurface Locations

Surface Location	F-36-21S-37E	1331	FN	1530	FW	Vert. Depth
Top Perfs/OH	F-36-21S-37E	1354	FN	1353	FW	5660.70
Bottom Perfs/OH	F-36-21S-37E	1360	FN	1354	FW	6605.70
Projected TD	F-36-21S-37E	1360	FN	1353	FW	6819.70

30-025-39286



Scientific Drilling

APACHE CORPORATION

Field: Blinebry
Site: Lea County, NM
Well: State "C" Tract 13 #14
Wellpath: DH - Job #32D0410281
Survey: 04/25/10-04/26/10

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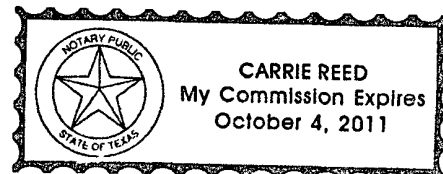
SUR: F-36-21s-37e, 1331/N & 1530/W
BHL: F-36-21s-37e, 1360/N & 1353/W
API # 30-025-39286

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

[Signature]
Company Representative

Notarized this date 5th of May, 2010.

[Signature]
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: APACHE CORPORATION
 Field: Blinberry
 Site: Lea County, NM
 Well: State "C" Tract 13 #14
 Wellpath: VH - Job #32K0410295

Date: 5/5/2010 Time: 14:18:25 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,259.24Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 04/25/10
 drop KSRG 0'-3953'
 Company: Scientific Drilling Internatio
 Tool: Keeper, Keeper Gyro

Start Date: 4/25/2010
 Engineer: Schafernocker
 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
0.0	0.00	359.35	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.15	81.84	100.0	-0.1	0.0	0.1	0.15	0.1	81.84
200.0	0.28	125.11	200.0	-0.4	-0.1	0.5	0.20	0.5	102.69
300.0	0.28	121.73	300.0	-0.8	-0.4	0.9	0.02	0.9	113.25
400.0	0.36	184.02	400.0	-0.9	-0.8	1.1	0.34	1.3	127.73
500.0	0.44	223.21	500.0	-0.5	-1.4	0.8	0.28	1.6	151.39
600.0	0.42	227.35	600.0	0.1	-1.9	0.2	0.04	1.9	173.07
700.0	0.36	211.62	700.0	0.7	-2.5	-0.2	0.12	2.5	184.64
800.0	0.52	197.13	800.0	1.1	-3.2	-0.5	0.19	3.2	188.97
900.0	0.96	223.02	900.0	2.0	-4.2	-1.2	0.54	4.4	195.98
1000.0	1.37	225.80	1000.0	3.6	-5.6	-2.6	0.41	6.2	204.99
1100.0	0.96	226.45	1099.9	5.3	-7.1	-4.1	0.41	8.2	210.13
1200.0	1.02	233.44	1199.9	6.8	-8.2	-5.4	0.13	9.8	213.57
1300.0	1.49	245.57	1299.9	8.9	-9.2	-7.3	0.54	11.8	218.40
1400.0	1.61	249.44	1399.9	11.6	-10.3	-9.8	0.16	14.2	223.73
1500.0	1.19	247.06	1499.8	14.0	-11.2	-12.1	0.42	16.5	227.28
1600.0	1.08	252.09	1599.8	15.9	-11.9	-13.9	0.15	18.3	229.62
1700.0	0.89	252.30	1699.8	17.6	-12.4	-15.6	0.19	19.9	231.52
1800.0	0.62	240.11	1799.8	18.9	-12.9	-16.8	0.31	21.2	232.49
1900.0	0.26	225.14	1899.8	19.6	-13.3	-17.4	0.37	21.9	232.60
2000.0	0.30	91.47	1999.8	19.5	-13.5	-17.3	0.52	21.9	232.09
2100.0	0.91	83.47	2099.8	18.5	-13.4	-16.3	0.61	21.1	230.52
2200.0	1.14	78.85	2199.8	16.7	-13.1	-14.5	0.24	19.6	227.87
2300.0	1.36	72.93	2299.7	14.5	-12.6	-12.4	0.25	17.7	224.57
2400.0	1.59	64.91	2399.7	12.0	-11.6	-10.0	0.31	15.3	220.66
2500.0	1.51	60.86	2499.7	9.4	-10.4	-7.6	0.14	12.9	216.10
2600.0	1.44	62.19	2599.6	6.9	-9.2	-5.3	0.08	10.6	210.13
2700.0	1.50	65.07	2699.6	4.5	-8.0	-3.0	0.10	8.6	200.64
2800.0	1.56	69.43	2799.6	1.9	-7.0	-0.6	0.13	7.0	184.63
2900.0	1.56	71.16	2899.5	-0.8	-6.1	2.0	0.05	6.4	161.88
3000.0	1.44	73.49	2999.5	-3.4	-5.3	4.5	0.13	6.9	139.74
3100.0	1.46	79.25	3099.5	-5.9	-4.7	6.9	0.15	8.4	124.12
3200.0	1.55	84.72	3199.4	-8.6	-4.3	9.5	0.17	10.5	114.47
3300.0	1.63	91.47	3299.4	-11.3	-4.3	12.3	0.20	13.0	109.06
3400.0	1.73	100.88	3399.3	-14.1	-4.6	15.2	0.29	15.9	106.74
3500.0	1.75	106.19	3499.3	-16.9	-5.3	18.2	0.16	18.9	106.23
3600.0	1.61	111.20	3599.3	-19.4	-6.2	20.9	0.20	21.8	106.54
3700.0	1.47	116.75	3699.2	-21.6	-7.3	23.4	0.20	24.5	107.34
3800.0	1.26	119.53	3799.2	-23.5	-8.4	25.5	0.22	26.9	108.28
3900.0	1.16	121.06	3899.2	-25.1	-9.5	27.3	0.11	28.9	109.15
3953.0	1.11	122.31	3952.2	-25.8	-10.0	28.2	0.11	29.9	109.59



Scientific Drilling International, Inc.

Survey Report

Company: APACHE CORPORATION	Date: 5/5/2010	Time: 14:18:40	Page: 1
Field: Blinebry	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: State "C" Tract 13 #14	Section (VS) Reference:	Well (0.00N,0.00E,259.24Azi)	
Wellpath: DH - Job #32D0410281	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 04/25/10-04/26/10	Start Date: 4/25/2010
MWD 3997'-6448'	
Company: Scientific Drilling Internatio	Engineer: Drake/Becker
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
3953.0	1.11	122.31	3952.2	-25.8	-10.0	28.2	0.00	29.9	109.59
3997.0	1.21	125.44	3996.2	-26.5	-10.5	29.0	0.27	30.8	110.00
4088.0	2.27	205.34	4087.1	-26.1	-12.7	29.0	2.61	31.6	113.71
4179.0	3.53	251.08	4178.0	-22.2	-15.3	25.5	2.79	29.8	120.86
4270.0	5.14	256.89	4268.7	-15.4	-17.1	18.9	1.83	25.5	132.10
4361.0	7.31	262.85	4359.2	-5.5	-18.7	9.2	2.48	20.9	153.84
4451.0	9.72	266.61	4448.2	7.7	-19.9	-4.1	2.75	20.3	191.54
4542.0	10.81	267.09	4537.8	23.8	-20.8	-20.3	1.20	29.0	224.25
4633.0	10.68	267.30	4627.2	40.6	-21.6	-37.2	0.15	43.0	239.84
4724.0	12.43	269.67	4716.3	58.6	-22.1	-55.4	1.99	59.7	248.28
4814.0	12.30	270.00	4804.2	77.5	-22.1	-74.7	0.16	77.9	253.50
4905.0	12.20	269.92	4893.2	96.5	-22.1	-94.0	0.11	96.6	256.74
4996.0	11.67	268.47	4982.2	115.0	-22.4	-112.8	0.67	115.0	258.77
5087.0	10.66	267.24	5071.5	132.4	-23.1	-130.4	1.14	132.4	259.98
5178.0	7.93	261.23	5161.3	147.0	-24.4	-145.0	3.18	147.1	260.44
5268.0	6.14	270.17	5250.6	158.0	-25.3	-156.0	2.33	158.0	260.77
5359.0	5.77	274.80	5341.1	167.2	-25.0	-165.4	0.67	167.3	261.42
5450.0	3.11	288.97	5431.8	173.7	-23.8	-172.3	3.14	173.9	262.15
5542.0	1.27	289.19	5523.7	176.8	-22.6	-175.6	2.00	177.1	262.66
5633.0	0.59	189.75	5614.7	177.8	-22.7	-176.7	1.63	178.1	262.66
5724.0	0.68	194.20	5705.7	178.2	-23.7	-176.9	0.11	178.5	262.36
5815.0	0.98	199.15	5796.7	178.8	-25.0	-177.3	0.34	179.0	261.97
5907.0	0.41	120.22	5888.7	179.0	-25.9	-177.2	1.07	179.1	261.69
5997.0	0.37	125.85	5978.7	178.5	-26.2	-176.7	0.06	178.7	261.56
6087.0	0.41	156.44	6068.7	178.2	-26.7	-176.4	0.23	178.4	261.39
6177.0	0.38	185.99	6158.7	178.3	-27.3	-176.3	0.23	178.4	261.20
6267.0	0.39	180.03	6248.7	178.4	-27.9	-176.3	0.05	178.5	261.01
6357.0	0.21	152.45	6338.7	178.4	-28.3	-176.2	0.25	178.5	260.86
6448.0	0.14	155.72	6429.7	178.3	-28.6	-176.1	0.08	178.4	260.78



Scientific
Drilling

Scientific Drilling International, Inc.

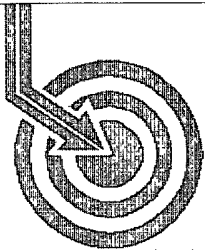
Survey Report

Company: APACHE CORPORATION Date: 5/1/2010 Time: 18:34:19 Page: 1
Field: Blinebry Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Site: Lea County, NM Vertical (TVD) Reference: SITE 0.0
Well: State "C" Tract 13 #14 Section (VS) Reference: Well (0.00N,0.00E,259.24Azi)
Wellpath: VH - Job #32K0410308 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 04/29/10 Start Date: 4/29/2010
dropKSRG 6480'-6750'
Company: Scientific Drilling Internatio Engineer: Garza
Tool: Keeper, Keeper Gyro Tied-to: From: Definitive Path

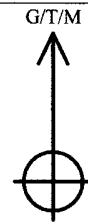
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
6448.0	0.14	155.72	6429.7	178.3	-28.6	-176.1	0.00	178.4	260.78
6480.9	0.23	214.69	6462.6	178.4	-28.7	-176.1	0.60	178.4	260.75
6571.7	0.22	223.85	6553.4	178.6	-29.0	-176.3	0.04	178.7	260.67
6662.8	0.17	260.71	6644.5	178.9	-29.1	-176.6	0.15	179.0	260.64
6750.7	0.11	99.43	6732.4	179.0	-29.1	-176.6	0.31	179.0	260.63



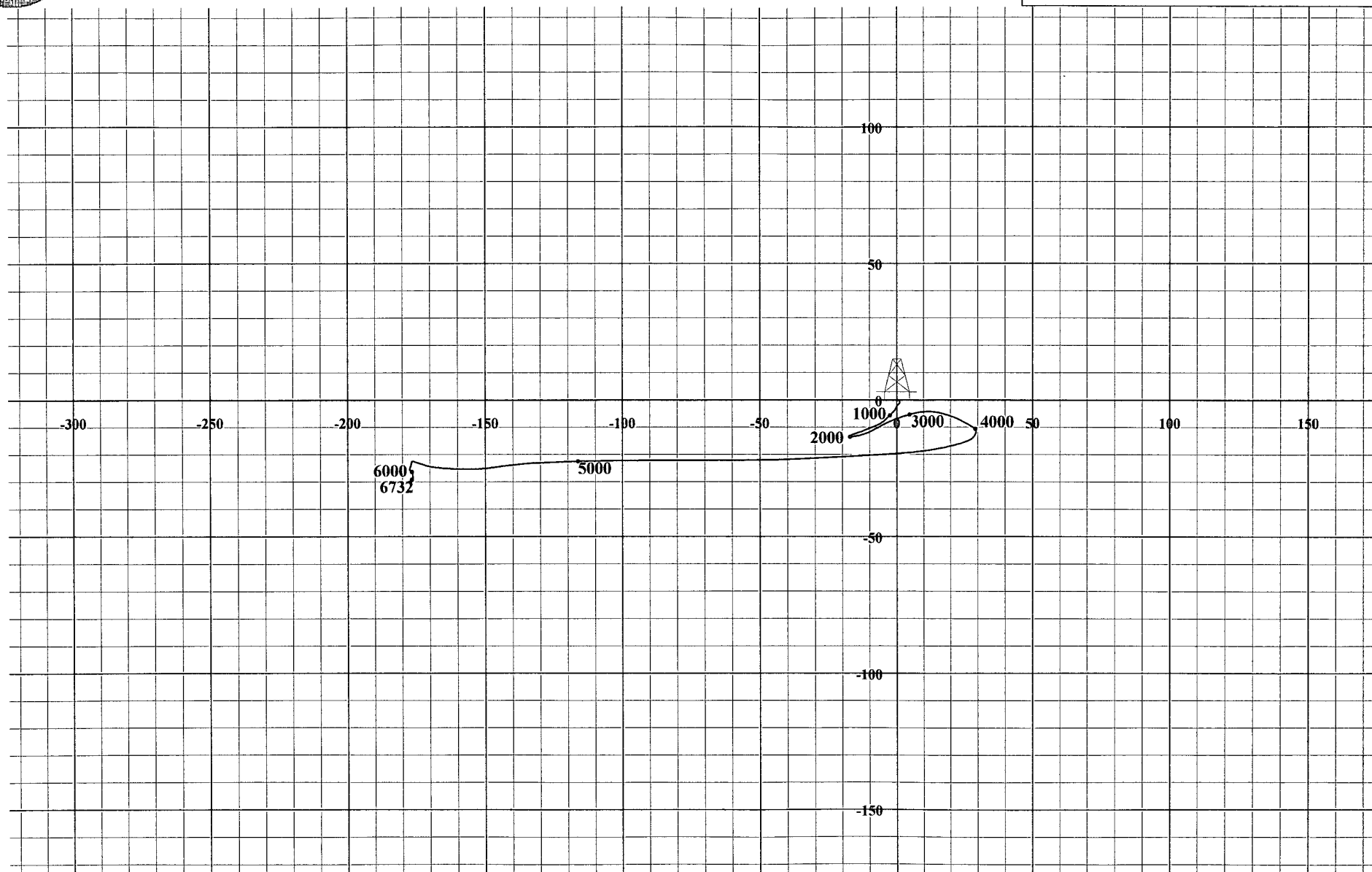
Scientific Drilling

Field: Blinebry
Site: Lea County, NM
Well: State "C" Tract 13 #14
Survey: 04/29/10



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Dip Angle: 0.00°
Date: 5/1/2010
Model: igr2000

South(-)/North(+) [20ft/in]



West(-)/East(+) [20ft/in]