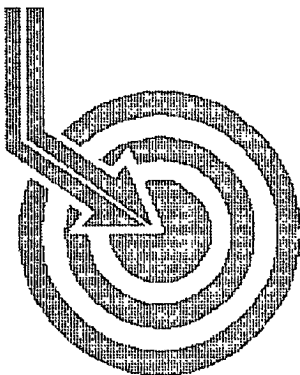




Scientific Drilling

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FEB 03 2010
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30-025-39491

APACHE CORPORATION

Field: House
Site: Lea County, NM
Well: GM Cone -A- #2
Wellpath: DH - Job #32D1209523
Survey: 12/01/09-12/05/09

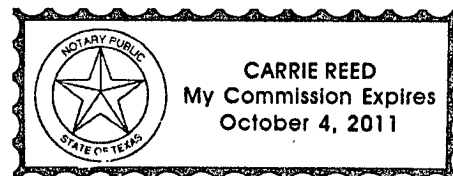
SUR: F-12-20s-38e, 2310/N & 1650/W
BHL: F-12-20s-38e, 2269/N & 1664/W
API # 30-025-39491

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

.....Richard..... 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: 12/30/2009	Time: 10:59:09	Page: 1
Field: House	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: GM Cone -A- #2	Section (VS) Reference:	Well (0.00N,0.00E,18.66Azi)	
Wellpath: DH - Job #32D1209523	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey: 12/01/09-12/05/09	Start Date: 12/01/2009
MWD 5870'-7305'	
Company: Scientific Drilling Internatio	Engineer: Foster/Baldwin
Tool: MWD;MWD	Tied-to: From Surface

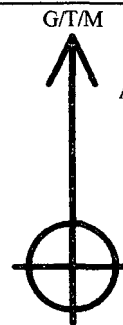
Survey

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5870.00	0.52	42.91	5869.92	24.29	19.51	18.14	0.01	26.64	42.91
5965.00	0.49	34.37	5964.92	25.07	20.16	18.66	0.09	27.47	42.78
6060.00	0.03	225.41	6059.91	25.44	20.48	18.87	0.55	27.85	42.66
6281.00	0.38	105.37	6280.91	25.43	20.24	19.54	0.18	28.13	43.98
6407.00	0.21	196.92	6406.91	25.22	19.91	19.87	0.35	28.13	44.94
6504.00	2.42	357.15	6503.89	26.95	21.79	19.72	2.70	29.39	42.15
6567.00	4.52	351.97	6566.77	30.41	25.57	19.30	3.37	32.04	37.05
6662.00	4.72	352.88	6661.46	37.27	33.16	18.30	0.22	37.87	28.89
6725.00	3.48	347.01	6724.30	41.23	37.59	17.55	2.08	41.49	25.02
6789.00	2.73	3.73	6788.20	44.36	41.01	17.21	1.83	44.47	22.76
6852.00	1.67	1.06	6851.15	46.68	43.42	17.32	1.69	46.75	21.75
6914.00	0.68	270.36	6913.14	47.43	44.33	16.97	2.92	47.47	20.95
7104.00	0.62	203.30	7103.14	46.05	43.39	15.44	0.38	46.06	19.58
7232.00	0.70	222.90	7231.13	44.65	42.18	14.63	0.19	44.65	19.13
7305.00	0.70	222.90	7304.12	43.83	41.53	14.02	0.00	43.83	18.66



**Scientific
Drilling**

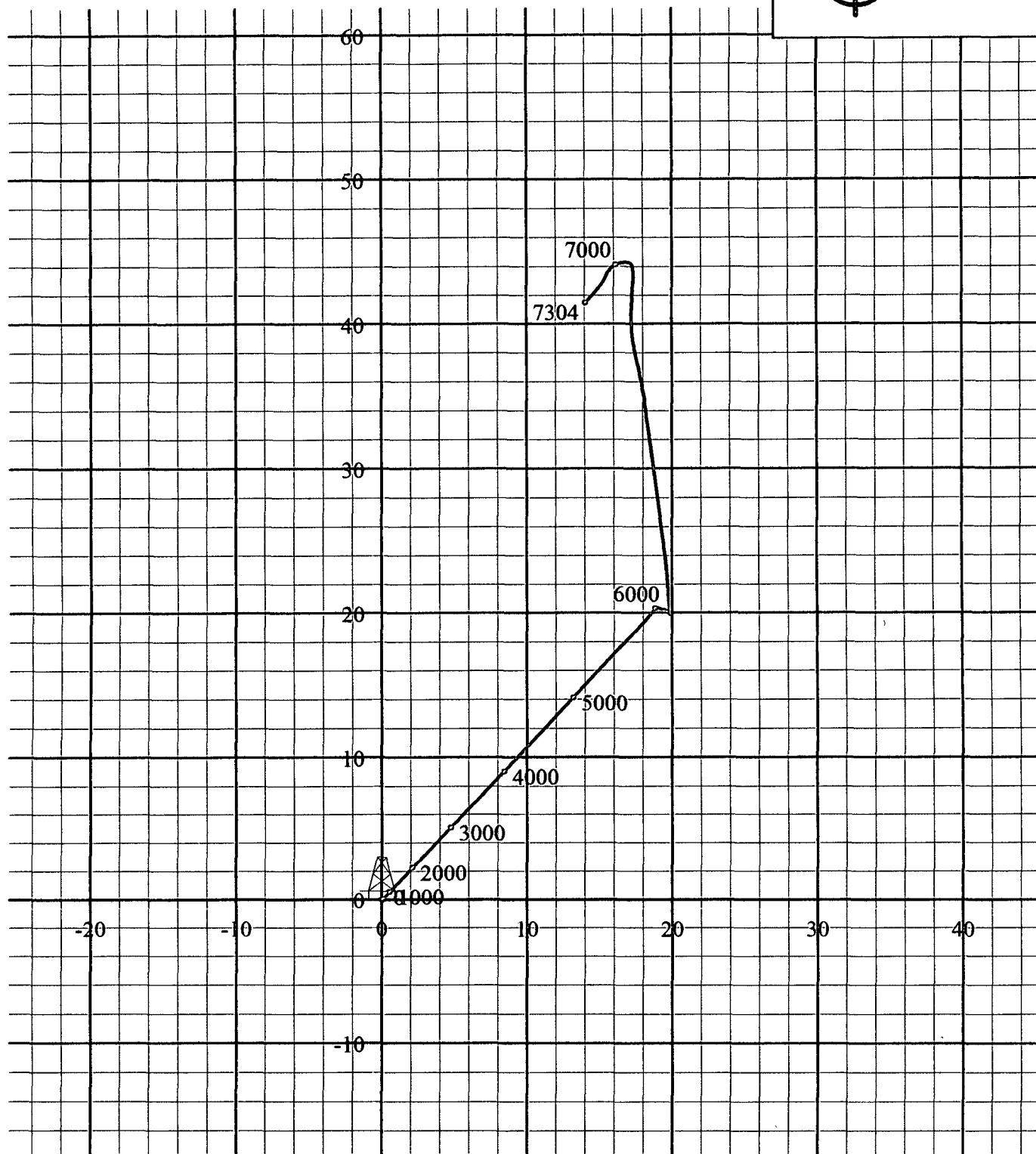
Field: House
Site: Lea County, NM
Well: GM Cone -A- #2
Wellpath: DH - Job #32D1209523
Survey: 12/01/09-12/05/09



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/07/2009
Model: igrf2000

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]