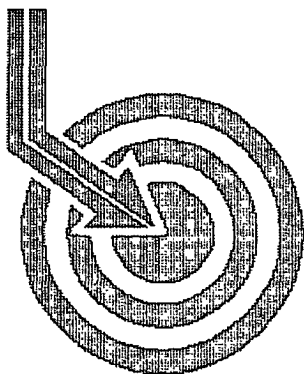
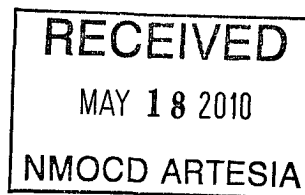




Scientific Drilling



CIMAREX ENERGY

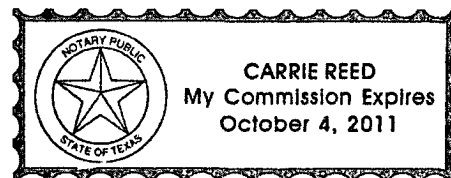
Field: Loco Hills
Site: Eddy County, NM
Well: Hydrus 10 Federal #8
Wellpath: VH - Job #32K1109469
Survey: 11/04/09

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

.....*R. W. Hart*..... Company Representative

Notorized this date 5th of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CIMAREX ENERGY	Date: 11/09/2009	Time: 10:50:11	Page: 1
Field: Loco Hills	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Hydrus 10 Federal #8	Section (VS) Reference:	Well (0.00N,0.00E,240.94Azi)	
Wellpath: VH - Job #32K1109469	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 11/04/09	Start Date: 11/04/2009
KSRG 0'-2415'	
Company: Scientific Drilling Internatio	Engineer: Madrid/Garza/Paredes
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

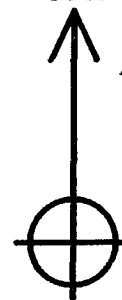
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.39	4.18	100.00	-0.19	0.34	0.02	0.39	0.34	4.18
200.00	1.00	12.19	199.99	-0.95	1.53	0.23	0.62	1.55	8.68
300.00	1.89	7.06	299.96	-2.50	4.02	0.62	0.90	4.07	8.78
400.00	1.31	18.23	399.92	-4.31	6.74	1.18	0.66	6.85	9.93
500.00	1.07	20.13	499.90	-5.85	8.71	1.86	0.24	8.90	12.06
600.00	0.90	28.47	599.88	-7.22	10.27	2.56	0.22	10.59	13.97
700.00	0.90	23.32	699.87	-8.51	11.68	3.24	0.08	12.13	15.50
800.00	1.00	33.50	799.86	-9.91	13.13	4.03	0.20	13.74	17.07
900.00	1.09	47.20	899.84	-11.60	14.51	5.21	0.26	15.42	19.77
1000.00	1.24	53.41	999.82	-13.60	15.80	6.78	0.20	17.19	23.23
1100.00	1.25	69.65	1099.80	-15.75	16.82	8.67	0.35	18.93	27.27
1200.00	1.20	70.91	1199.77	-17.86	17.54	10.68	0.06	20.54	31.34
1300.00	1.35	72.16	1299.75	-20.05	18.25	12.79	0.15	22.29	35.04
1400.00	1.48	77.17	1399.72	-22.44	18.90	15.17	0.18	24.23	38.77
1500.00	1.57	84.55	1499.68	-24.94	19.31	17.80	0.22	26.26	42.66
1600.00	1.80	94.68	1599.64	-27.50	19.31	20.73	0.38	28.33	47.02
1700.00	2.27	102.61	1699.58	-30.28	18.75	24.22	0.55	30.64	52.25
1800.00	3.44	108.67	1799.45	-33.78	17.36	29.00	1.21	33.80	59.09
1900.00	5.07	110.07	1899.17	-38.69	14.88	35.99	1.63	38.95	67.53
2000.00	6.40	111.22	1998.67	-45.14	11.35	45.34	1.33	46.74	75.94
2100.00	7.72	111.51	2097.91	-52.97	6.87	56.78	1.32	57.20	83.10
2200.00	8.67	111.72	2196.89	-62.00	1.62	70.04	0.95	70.05	88.68
2300.00	9.31	111.41	2295.66	-71.92	-4.12	84.57	0.64	84.67	92.79
2400.00	10.53	111.37	2394.16	-82.89	-10.41	100.61	1.22	101.15	95.91
2415.00	10.71	112.16	2408.90	-84.63	-11.43	103.18	1.54	103.81	96.32



Scientific
Drilling

Field: Loco Hills
Site: Eddy County, NM
Well: Hydrus 10 Federal #8
Wellpath: VH - Job #32K1109469
Survey: 11/04/09

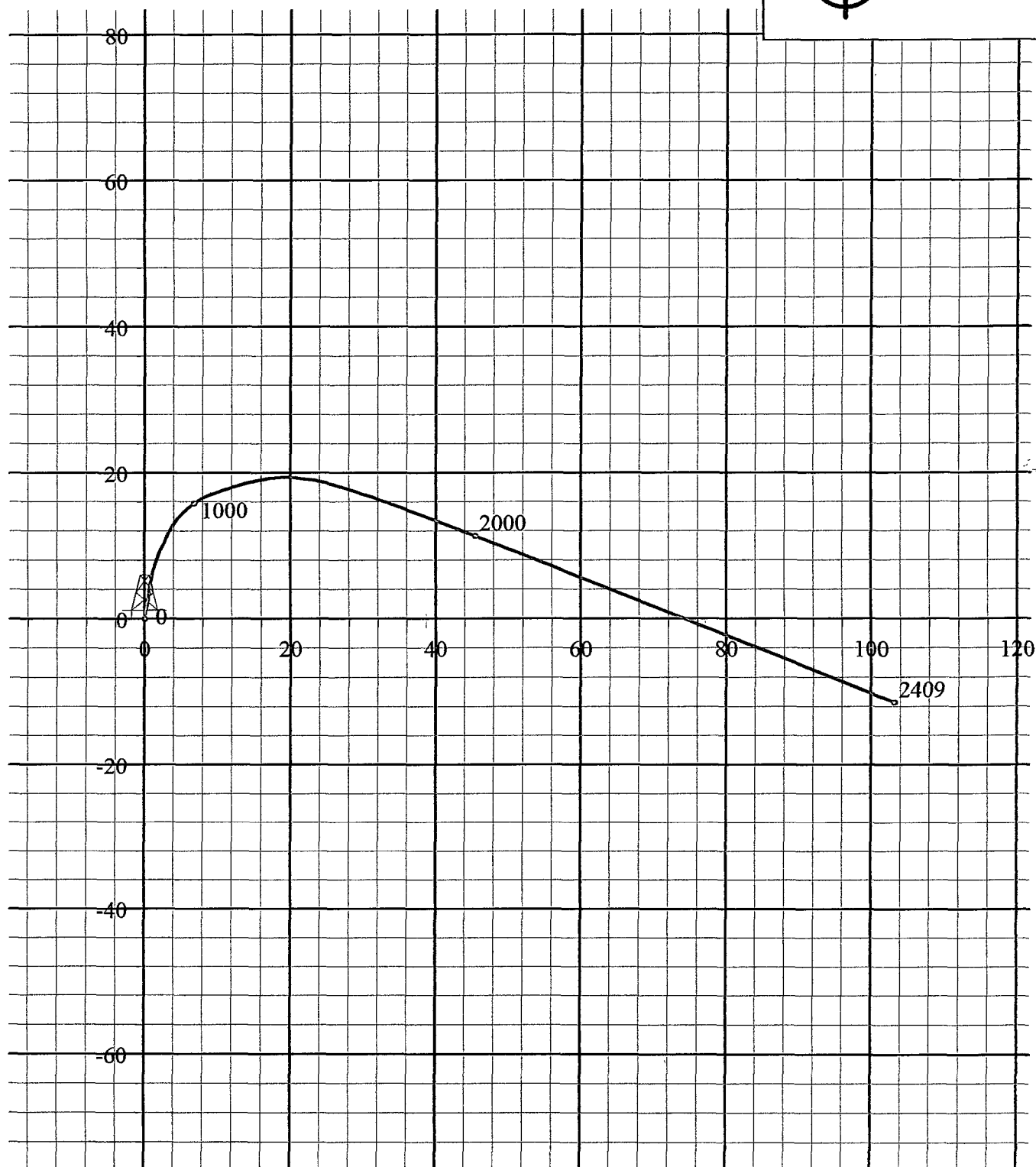
G/T/M



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 11/09/2009
Model: igrf2000

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



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