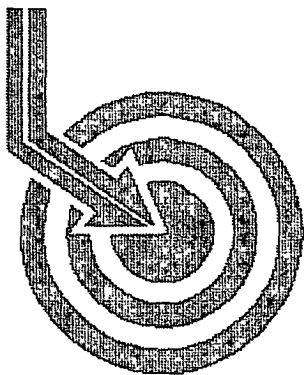




Scientific Drilling

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CIMAREX ENERGY

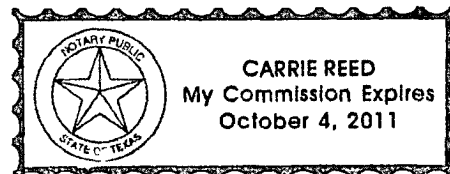
Field: Loco Hills
Site: Eddy County, NM
Well: Hydrus 10 Federal #9
Wellpath: VH - Job #32K1109517
Survey: 11/28/09

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

.....*Robert*..... Company Representative

Notorized this date 10th of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: CIMAREX ENERGY	Date: 11/30/2009	Time: 15:04:11	Page: 1
Field: Loco Hills	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grd North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Hydrus 10 Federal #9	Section (VS) Reference:	Well (0 00N,0 00E,258 17Azi)	
Wellpath: VH - Job #32K1109517	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 11/28/09	Start Date: 11/28/2009
Company: Scientific Drilling Internatio	Engineer: Madrid w/Gray
Tool: Keeper, Keeper Gyro	Tied-to: From Surface

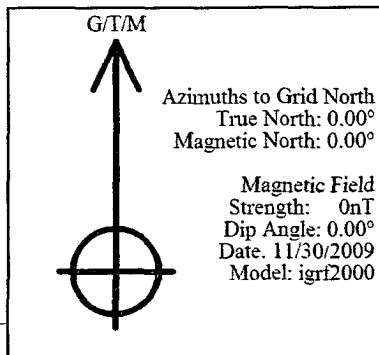
Survey

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	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.22	254.17	100.00	0.19	-0.05	-0.18	0.22	0.19	254.17
200.00	0.44	239.24	200.00	0.75	-0.30	-0.70	0.23	0.76	246.71
300.00	0.29	217.19	300.00	1.30	-0.70	-1.18	0.20	1.37	239.40
400.00	0.08	190.82	400.00	1.52	-0.97	-1.35	0.22	1.66	234.29
500.00	0.11	4.82	500.00	1.52	-0.94	-1.35	0.19	1.65	235.16
600.00	0.14	0.88	600.00	1.46	-0.72	-1.34	0.03	1.53	241.67
700.00	0.19	335.49	699.99	1.47	-0.45	-1.41	0.09	1.48	252.25
800.00	0.40	30.69	799.99	1.27	0.00	-1.30	0.33	1.30	269.99
900.00	0.53	63.51	899.99	0.59	0.51	-0.71	0.29	0.87	305.53
1000.00	0.83	63.85	999.98	-0.56	1.03	0.36	0.30	1.09	19.00
1100.00	1.07	71.30	1099.97	-2.19	1.65	1.89	0.27	2.51	48.87
1200.00	1.10	75.06	1199.95	-4.07	2.20	3.70	0.08	4.30	59.31
1300.00	0.93	81.54	1299.94	-5.84	2.56	5.43	0.20	6.01	64.73
1400.00	0.73	84.86	1399.93	-7.28	2.74	6.87	0.21	7.40	68.25
1500.00	0.41	98.89	1499.92	-8.25	2.74	7.86	0.35	8.32	70.76
1600.00	0.32	118.07	1599.92	-8.80	2.56	8.46	0.15	8.83	73.19
1700.00	0.20	156.68	1699.92	-9.05	2.26	8.77	0.21	9.06	75.53
1800.00	0.15	161.97	1799.92	-9.10	1.98	8.88	0.05	9.10	77.44
1900.00	0.13	217.87	1899.92	-9.03	1.76	8.85	0.13	9.03	78.72
2000.00	0.17	221.74	1999.92	-8.82	1.56	8.68	0.04	8.82	79.79
2100.00	0.29	196.33	2099.92	-8.58	1.21	8.51	0.15	8.60	81.90
2200.00	0.30	217.55	2199.91	-8.26	0.76	8.28	0.11	8.32	84.75
2300.00	0.46	234.45	2299.91	-7.70	0.32	7.80	0.19	7.80	87.65
2400.00	0.59	228.65	2399.91	-6.88	-0.25	7.08	0.14	7.09	92.05
2500.00	0.82	230.34	2499.90	-5.80	-1.05	6.15	0.23	6.24	99.70
2600.00	0.80	238.90	2599.89	-4.51	-1.87	5.00	0.12	5.34	110.49
2700.00	0.86	238.32	2699.88	-3.14	-2.62	3.76	0.06	4.59	124.88
2800.00	0.94	228.26	2799.87	-1.73	-3.56	2.51	0.18	4.36	144.82
2900.00	1.00	235.60	2899.85	-0.21	-4.60	1.18	0.14	4.75	165.63
3000.00	1.04	237.32	2999.84	1.44	-5.58	-0.30	0.05	5.59	183.12
3100.00	1.08	237.63	3099.82	3.17	-6.58	-1.86	0.04	6.84	195.82
3200.00	1.17	236.37	3199.80	5.00	-7.65	-3.51	0.09	8.42	204.65
3300.00	1.05	241.36	3299.78	6.83	-8.65	-5.16	0.15	10.08	210.83
3400.00	0.98	241.13	3399.77	8.52	-9.51	-6.72	0.07	11.64	215.25
3500.00	0.73	250.75	3499.76	9.97	-10.13	-8.07	0.29	12.95	218.54
3600.00	0.89	335.55	3599.75	10.78	-9.63	-8.99	1.10	13.18	223.03
3700.00	0.69	1.58	3699.74	10.81	-8.32	-9.30	0.41	12.48	228.16
3800.00	0.57	40.90	3799.73	10.27	-7.35	-8.95	0.44	11.58	230.64
3900.00	0.75	29.91	3899.73	9.44	-6.40	-8.30	0.22	10.48	232.36
4000.00	0.80	30.56	3999.72	8.53	-5.23	-7.62	0.05	9.24	235.52
4100.00	0.72	31.66	4099.71	7.63	-4.10	-6.94	0.08	8.06	239.42
4200.00	0.48	1.85	4199.70	7.10	-3.14	-6.59	0.39	7.30	244.50
4300.00	0.39	310.09	4299.70	7.21	-2.51	-6.84	0.39	7.28	249.87
4400.00	0.93	3.54	4399.69	7.20	-1.48	-7.05	0.76	7.20	258.17

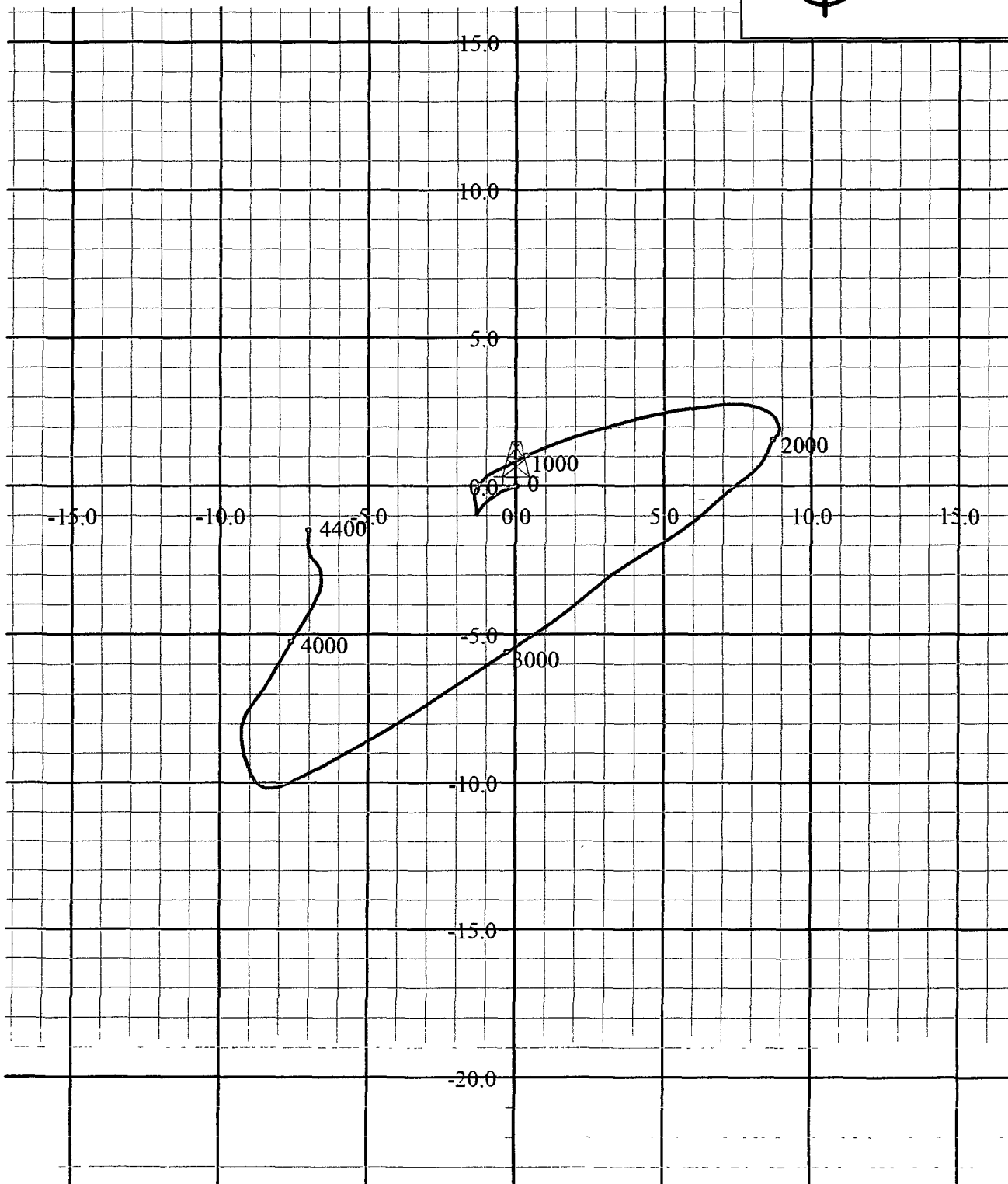


Scientific
Drilling

Field: Loco Hills
Site: Eddy County, NM
Well: Hydrus 10 Federal #9
Wellpath: VH - Job #32K1109517
Survey: 11/28/09



South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]