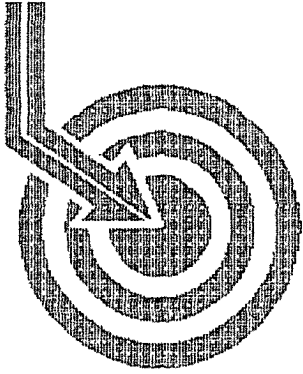




Scientific Drilling

CIMAREX ENERGY

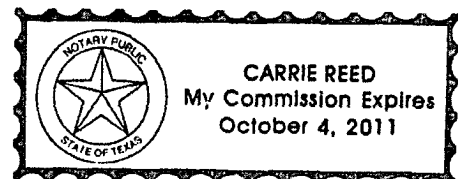
Field: Loco Hills
 Site: Eddy County, NM
 Well: Poseidon 3 Federal #6
 Wellpath: VH - Job #32K1008796
 Survey: 10/10/08

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 October, 2008.

Carrie Reed
 Notary Signature
 County of Midland
 State of Texas



MR



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: CIMAREX ENERGY
Field: Loco Hills
Site: Eddy County, NM
Well: Poseidon 3 Federal #6
Wellpath: VH - Job #32K1008796

Date: 10/29/2008 **Time:** 16:44:56 **Page:** 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,179.80Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey: 10/10/08
KSRG 0'-1460'
Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Start Date: 10/10/2008
Engineer: Garza w/GeoGyro
Tied-to: From Surface

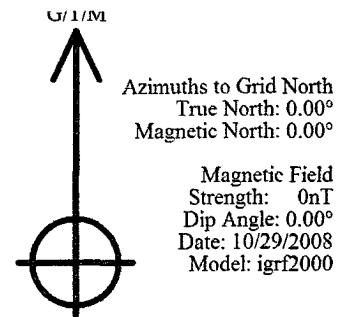
Survey

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	0.34	198.29	100.00	0.28	-0.28	-0.09	0.34	0.30	198.29
200.00	0.05	130.13	200.00	0.59	-0.59	-0.15	0.32	0.61	194.49
300.00	0.21	69.46	300.00	0.56	-0.56	0.05	0.19	0.56	174.64
400.00	0.51	219.25	400.00	0.84	-0.84	-0.06	0.70	0.84	183.96
500.00	0.52	229.71	499.99	1.47	-1.47	-0.69	0.09	1.63	204.95
600.00	0.42	228.90	599.99	2.00	-2.01	-1.31	0.10	2.40	213.08
700.00	0.30	197.65	699.99	2.49	-2.50	-1.66	0.23	3.00	213.65
800.00	0.16	149.68	799.99	2.86	-2.87	-1.67	0.23	3.32	210.24
900.00	0.55	65.82	899.99	2.79	-2.79	-1.16	0.56	3.03	202.63
1000.00	0.70	73.35	999.98	2.42	-2.42	-0.14	0.17	2.43	183.33
1100.00	0.88	71.92	1099.97	2.01	-2.01	1.17	0.18	2.33	149.68
1200.00	0.86	72.10	1199.96	1.55	-1.54	2.62	0.02	3.04	120.44
1300.00	0.91	72.65	1299.95	1.09	-1.07	4.09	0.05	4.23	104.67
1400.00	0.67	109.05	1399.94	1.04	-1.03	5.40	0.54	5.50	100.75
1460.00	0.31	125.34	1459.94	1.25	-1.23	5.87	0.64	5.99	101.88



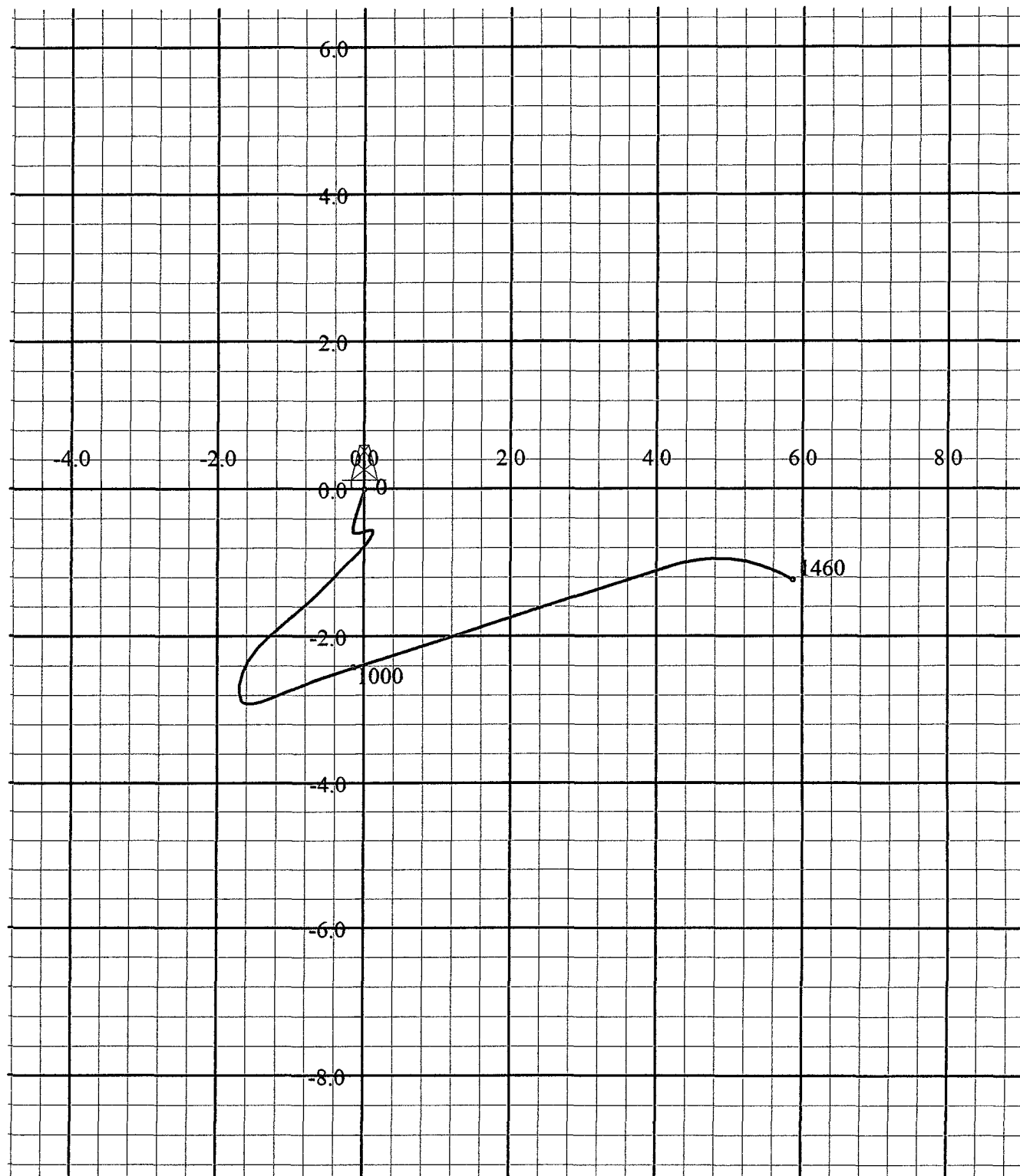
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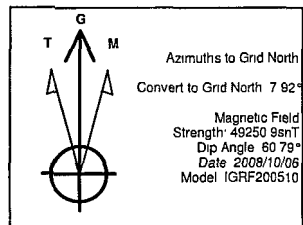
Field: Loco Hills
Site: Eddy County, NM
Well: Poseidon 3 Federal #6
Wellpath: VH - Job #32K1008796
Survey: 10/10/08



West(-)/East(+) [1ft/in]

South(-)/North(+) [1ft/in]





Cimarex Energy Co.

Project: Eddy County, NM (NAD83)
Site: Sec. 3-T17S-R30E
Well: Poseidon #3 FED #6
Wellbore: Wellbore #1
Design: Plan #1 Rev #1



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Poseidon #3 FED #6, Grid North
Vertical (TVD) Reference: WELL @ 3749.0ft (Original Well Elev)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: WELL @ 3749.0ft (Original Well Elev)
Calculation Method: Minimum Curvature

WELL DETAILS: Poseidon #3 FED #6

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	677603.70	656373.10	32° 51' 43.898 N	103° 57' 31.282 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	1460.0	0.31	125.34	1459.9	-1.2	5.9	0.00	0.00	1.3	
2	1713.4	6.51	180.53	1712.8	-16.0	6.3	2.50	57.48	16.0	
3	6028.4	6.51	180.53	6000.0	-505.1	1.8	0.00	0.00	505.1	BHL #3 Fed #6

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL #3 Fed #6	6000.0	-505.1	1.8	677098.65	656374.90	Point

