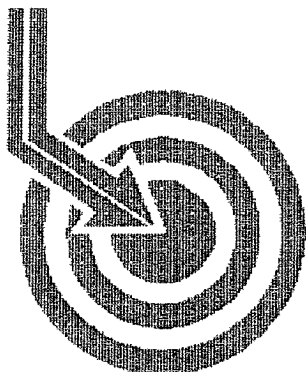




Scientific Drilling

OCCIDENTAL PERMIAN LTD.

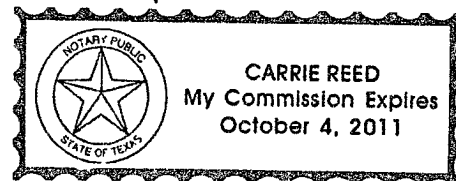
Field: Livingston Ridge, Delaware
Site: Eddy County, NM
Well: Federal 23 #6
Wellpath: VH - Job #32K1209589
Survey: 12/26/09

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

.....*K. Wharton*.....Company Representative

Notorized this date 3/50 of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.	Date: 12/29/2009	Time: 14:02:53	Page: 1
Field: Livingston Ridge, Delaware	Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North		
Site: Eddy County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: Federal 23 #6	Section (VS) Reference: Well (0.00N,0.00E,134.94Azi)		
Wellpath: VH - Job #32K1209589	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 12/26/09	Start Date: 12/26/2009
KSRG 0'-800'	
Company: Scientific Drilling Internatio	Engineer: Garza/Rowe/Williams
Tool: Keeper;Keeper Surface Readout	Tied-to: From Surface

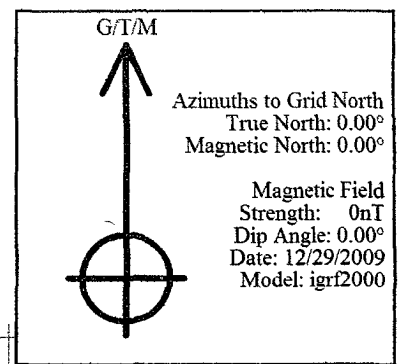
Survey

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	359.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.08	23.41	100.00	-0.03	0.06	0.03	0.08	0.07	23.41
200.00	0.15	188.33	200.00	0.03	0.00	0.04	0.23	0.04	92.17
300.00	0.25	162.46	300.00	0.30	-0.34	0.08	0.13	0.35	166.19
400.00	0.41	189.71	400.00	0.70	-0.90	0.09	0.22	0.90	174.37
500.00	0.36	184.60	500.00	1.11	-1.57	0.00	0.06	1.57	179.88
600.00	0.69	179.96	599.99	1.74	-2.48	-0.02	0.33	2.48	180.50
700.00	0.62	175.81	699.98	2.57	-3.62	0.02	0.08	3.62	179.71
800.00	1.05	187.88	799.97	3.53	-5.07	-0.07	0.46	5.07	180.77

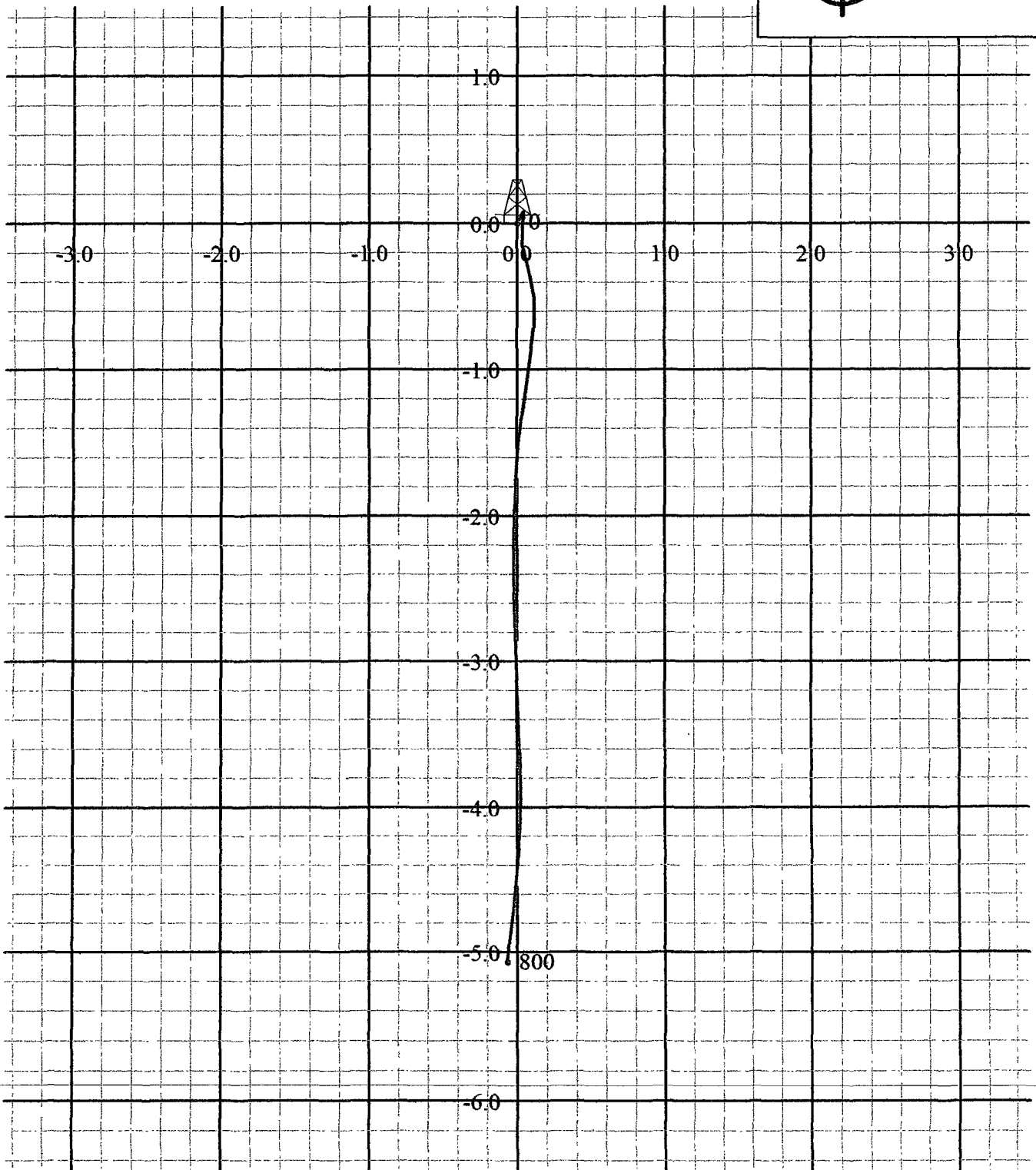


**Scientific
Drilling**

Field: Livingston Ridge, Delaware
Site: Eddy County, NM
Well: Federal 23 #6
Wellpath: VH - Job #32K1209589
Survey: 12/26/09



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



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