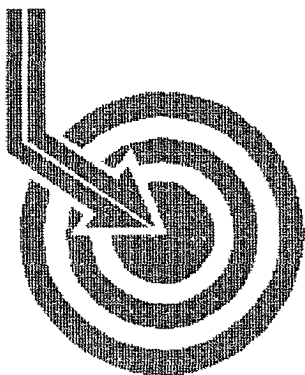




Scientific Drilling

OCCIDENTAL PERMIAN LTD.

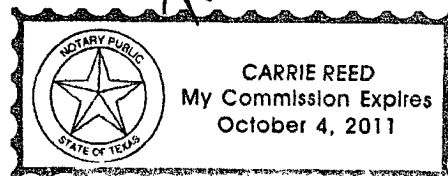
Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Federal 29 #1
Wellpath: VH - Job #32K1109495
Survey: 11/15/09

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

[Signature] Company Representative

Notorized this date 10th of December, 2009.

[Signature: Carrie Reed]
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

Company: OCCIDENTAL PERMIAN LTD. Date: 12/10/2009 Time: 13:14:09 Page: 1
Field: San Dunes Delaware, West Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Federal 29 #1 Section (VS) Reference: Well (0.00N,0.00E,262.62Azi)
Wellpath: VH - Job #32K1109495 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 11/15/09 Start Date: 11/15/2009
Company: Scientific Drilling Internatio Engineer: Madrid/Rowe/Paredes
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	359.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.65	323.17	100.00	0.28	0.45	-0.34	0.65	0.57	323.17
200.00	0.75	234.66	199.99	1.14	0.53	-1.21	0.98	1.32	293.56
300.00	0.64	248.38	299.99	2.26	-0.05	-2.27	0.20	2.27	268.61
357.00	0.76	237.82	356.98	2.91	-0.37	-2.88	0.31	2.91	262.62



**Scientific
Drilling**

Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Federal 29 #1
Wellpath: VH - Job #32K1109495
Survey: 11/15/09



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 11/18/2009
Model: igrf2000

