

OCCIDENTAL PERMIAN LTD.

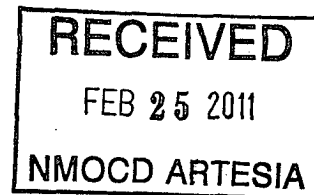
Lost Tank Delaware, West
Eddy County, NM
Lost Tank 4 Federal #11
VH - Job #32K1110912

30-015-37954

Survey: Actual

SDI Standard Survey Report

28 November, 2010



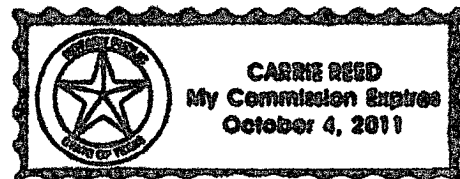
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notorized this date 8th of December, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Lost Tank 4 Federal #11
Project:	Lost Tank Delaware, West	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Lost Tank 4 Federal #11	North Reference:	Grid
Wellbore:	VH - Job #32K1110912	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110912	Database:	EDM-Regulatory

Project:	Lost Tank Delaware, West		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Eddy County, NM		
Site Position:		Northing:	515,232.05 usft
From:	Lat/Long	Easting:	676,005.63 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 24' 54.705 N
		Longitude:	103° 45' 46.737 W
		Grid Convergence:	0.31 °

Well:	Lost Tank 4 Federal #11; Directional (Baker Hughes)		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 25' 25.182 N
		Longitude:	103° 47' 0.863 W
		Ground Level:	0.0 usft

Wellbore:	VH - Job #32K1110912		
Magnetics	Model Name	Sample Date	Declination
	BGGM2010	11/20/2010	7.83
			Dip Angle
			60.36
			Field Strength
			48,833

Design:	VH - Job #32K1110912		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			306.06

Survey Program	Date 11/28/2010		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
91.5	642.6	Actual (VH - Job #32K1110912)	Keeper
			Description
			Keeper Surface Readout

Survey			
Measured Depth	Inclination	Azimuth	True Vertical
(usft)	(°)	(°)	Depth
0.0	0.00	0.00	0.0
91.5	0.55	304.92	91.5
186.5	0.57	308.80	186.5
279.2	0.59	306.73	279.2
369.6	0.58	306.91	369.6
461.2	0.55	306.29	461.2
551.3	0.51	305.96	551.3
642.6	0.57	299.33	642.6
			North/South
			(usft)
			0.0
			0.3
			0.8
			1.4
			1.9
			2.5
			3.0
			3.4
			East/West
			(usft)
			0.0
			-0.4
			-1.1
			-1.8
			-2.6
			-3.3
			-4.0
			-4.7
			Closure Azimuth
			(°)
			0.00
			304.92
			306.26
			306.87
			306.85
			306.80
			306.69
			306.06
			Closure Distance
			(usft)
			0.0
			0.4
			1.4
			2.3
			3.2
			4.1
			5.0
			5.8

Checked By:	Approved By:	Date:
-------------	--------------	-------



Scientific Drilling
Directional Drilling Operations

Project: Lost Tank Delaware, West
Eddy County, NM
Well: Lost Tank 4 Federal #11
Wellbore: VH - Job #32K1110912
Design: VH - Job #32K1110912

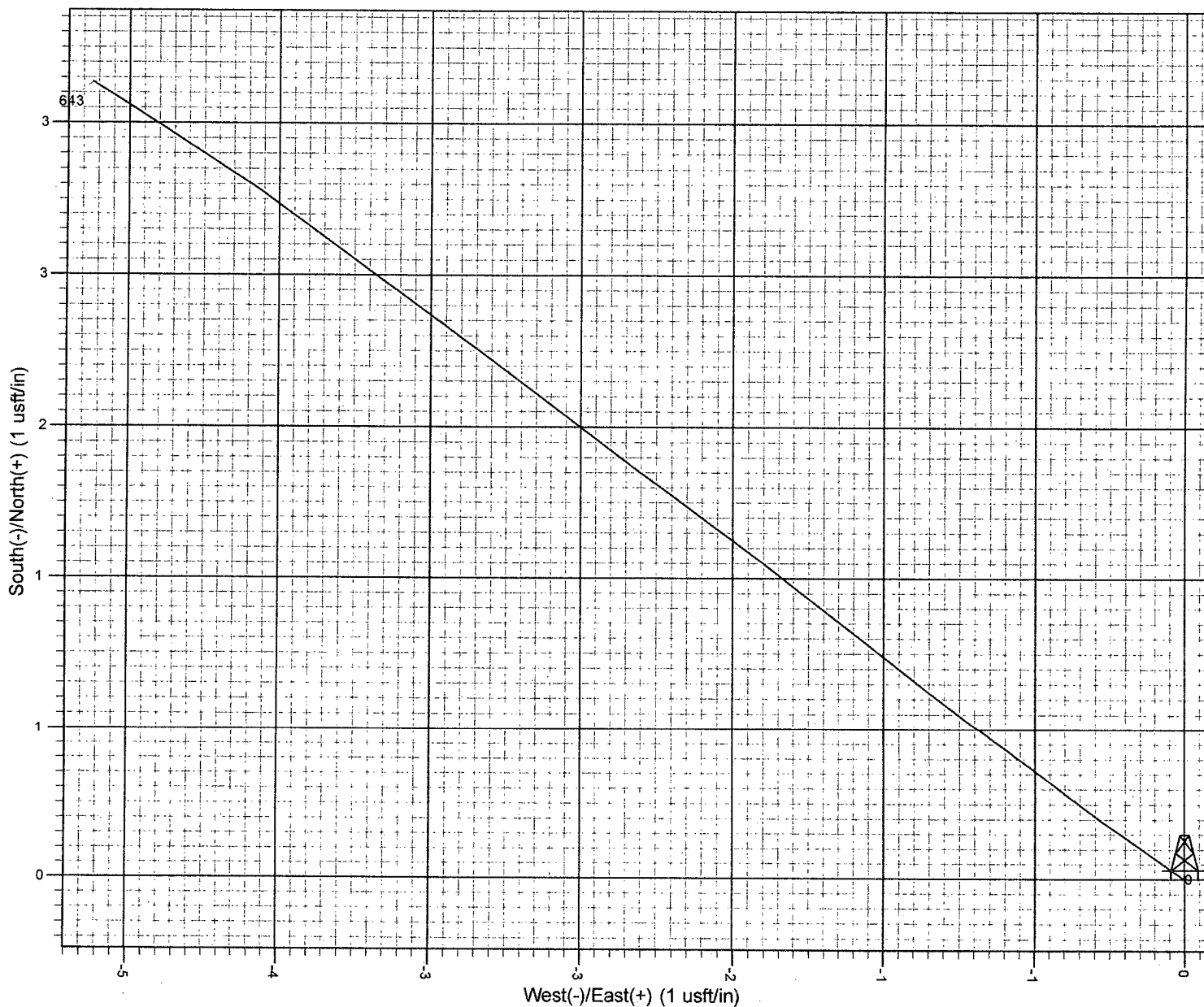


Azimuths to Grid North
True North: -0.29°
Magnetic North: 7.53°

Magnetic Field
Strength: 48832.9nT
Dip Angle: 60.36°
Date: 11/20/2010
Model: BGGM2010

WELL DETAILS: Lost Tank 4 Federal #11
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	518278.58	669635.61	32° 25' 25.182 N	103° 47' 0.863 W	



PROJECT DETAILS: Lost Tank Delaware, West
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 24' 54.705 N
Longitude: 103° 45' 46.737 W
Positional Uncertainty: 0.0
Convergence: 0.31
Local North: Grid