

OCCIDENTAL PERMIAN LTD.

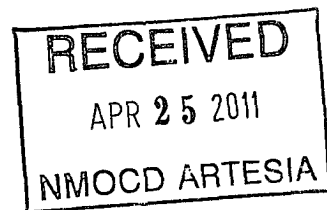
Lost Tank Delaware, West
Eddy County, NM
Lost Tank 10 Federal #4
VH - Job #32K12101007

30-015-37961

Survey: Actual

SDI Standard Survey Report

12 January, 2011



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

Richard

Notarized this date 17th of January, 2011.

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 10 Federal #4
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 10 Federal #4	North Reference:	Grid
Wellbore:	VH - Job #32K12101007	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K12101007	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	Latitude: 32° 24' 54.705 N
From:	Lat/Long	Easting:	676,005.63 usft	Longitude: 103° 45' 46.737 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence: 0.31 °

Well	Lost Tank 10 Federal #4, Directional (Baker InteQ)			
Well Position	+N-S	0.0 usft	Northing: 514,800.59 usft	Latitude: 32° 24' 50.345 N
	+E-W	0.0 usft	Easting: 677,702.45 usft	Longitude: 103° 45' 26.970 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level: 0.0 usft

Wellbore	VH - Job #32K12101007				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	12/23/2010	7.80	60.35	48,821

Design	VH - Job #32K12101007			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.0	0.0	0.0	353.96

Survey Program	Date	1/12/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
109.7	646.0	Actual (VH - Job #32K12101007)	Keeper	Keeper Surface Readout

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
109.7	0.19	316.97	109.7	0.1	-0.1	316.97	0.2	
201.3	0.18	333.10	201.3	0.4	-0.3	321.81	0.5	
286.1	0.28	54.77	286.1	0.6	-0.2	343.24	0.6	
376.4	0.15	343.42	376.4	0.9	0.0	357.49	0.9	
466.7	0.04	31.34	466.7	1.0	-0.1	356.84	1.0	
556.3	0.19	350.55	556.3	1.2	-0.1	356.91	1.2	
646.0	0.20	336.95	646.0	1.5	-0.1	354.17	1.5	



Scientific Drilling
Directional Drilling Operations

Project: Lost Tank Delaware, West
Eddy County, NM
Well: Lost Tank 10 Federal #4
Wellbore: VH - Job #32K12101007
Design: VH - Job #32K12101007

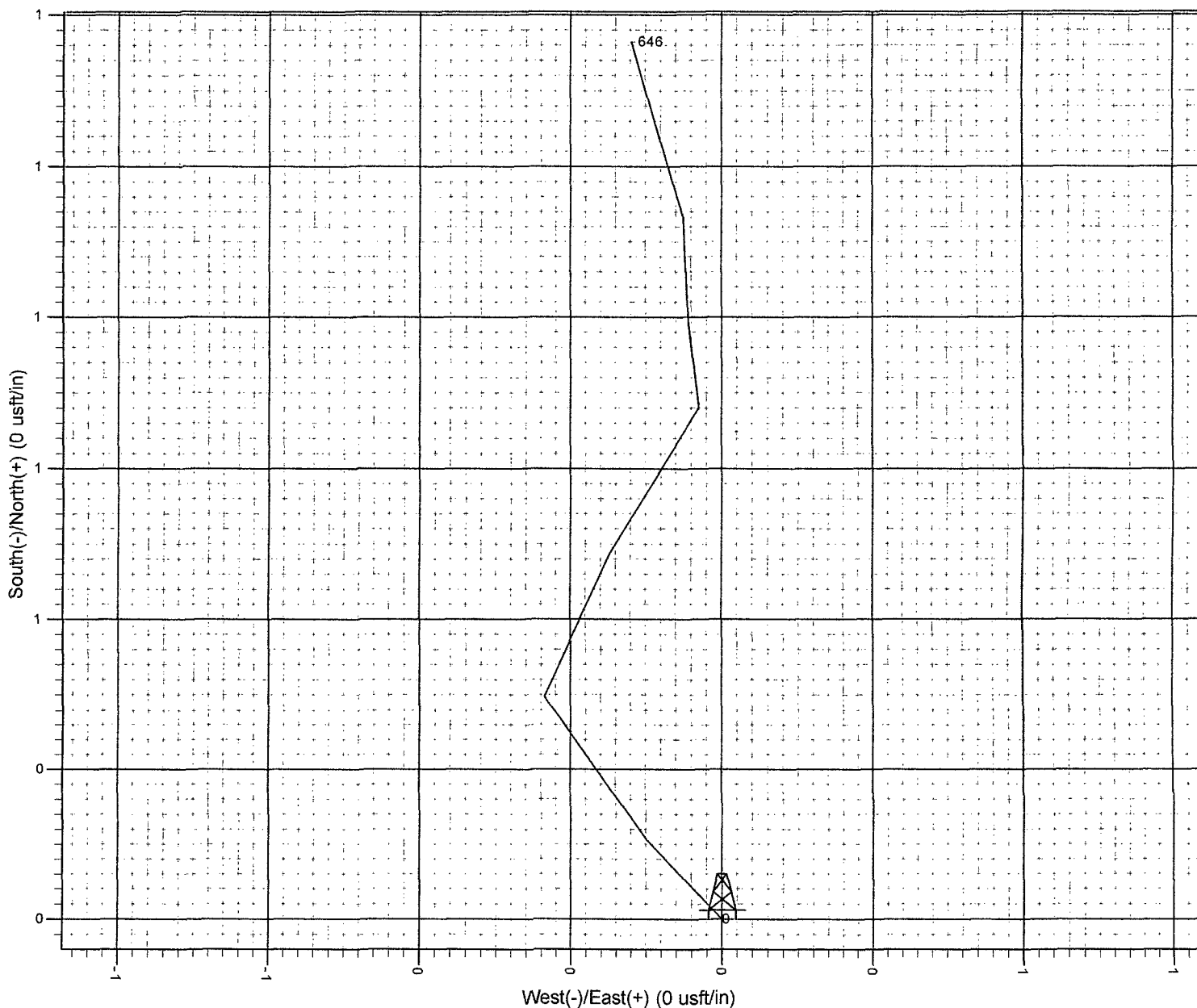


Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.49°

Magnetic Field
Strength: 48820.5snT
Dip Angle: 60.35°
Date: 12/23/2010
Model: BGGM2010

WELL DETAILS: Lost Tank 10 Federal #4
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	514800.59	677702.45	$32^\circ 24' 50.345\text{ N}$	$103^\circ 45' 26.970\text{ W}$	



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: $32^\circ 24' 54.705\text{ N}$
Longitude: $103^\circ 45' 46.737\text{ W}$
Positional Uncertainty: 0.0
Convergence: 0.31
Local North: Grid