

OCCIDENTAL PERMIAN LTD.

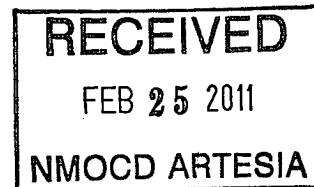
Lost Tank Delaware, West
Eddy County, NM
Lost Tank 3 Federal #18
VH - Job #32K1110936

30-015-31908

Survey: Actual

SDI Standard Survey Report

17 December, 2010



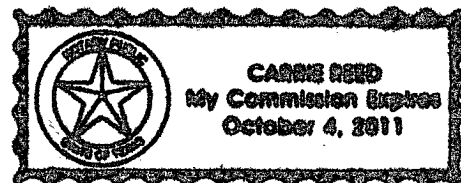
This survey is correct to the best of my knowledge and is supported by actual field data.

Hubert

Notorized this date 17th 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 3 Federal #18
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 3 Federal #18	North Reference:	Grid
Wellbore:	VH - Job #32K1110936	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110936	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 3 Federal #18, Directional (Baekr Hughes)					
Well Position	+N/-S	0.0 usft	Northing:	515,267.38 usft	Latitude:	32° 24' 55.053 N
	+E/-W	0.0 usft	Easting:	676,040.97 usft	Longitude:	103° 45' 46.323 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	0.0 usft

Wellbore	VH - Job #32K1110936				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	11/28/2010	7.81	60.35	48,828

Design	VH - Job #32K1110936			
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	254.71

Survey Program	Date: 12/16/2010			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.4	642.5	Actual (VH - Job #32K1110936)	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	
100.4	0.50	357.41	100.4	0.4	0.0	357.41	0.4	
191.7	0.56	6.81	191.7	1.3	0.0	0.68	1.3	
281.1	0.50	16.23	281.1	2.1	0.2	4.82	2.1	
370.4	0.46	349.46	370.4	2.8	0.2	4.46	2.8	
461.8	0.50	353.39	461.8	3.6	0.1	1.70	3.6	
551.4	0.59	353.52	551.4	4.4	0.0	0.12	4.4	
642.5	0.64	0.88	642.5	5.4	0.0	359.62	5.4	



Scientific Drilling
Directional Drilling Operations

Project: Lost Tank Delaware, West
Eddy County, NM
Well: Lost Tank 3 Federal #18
Wellbore: VH - Job #32K1110936
Design: VH - Job #32K1110936

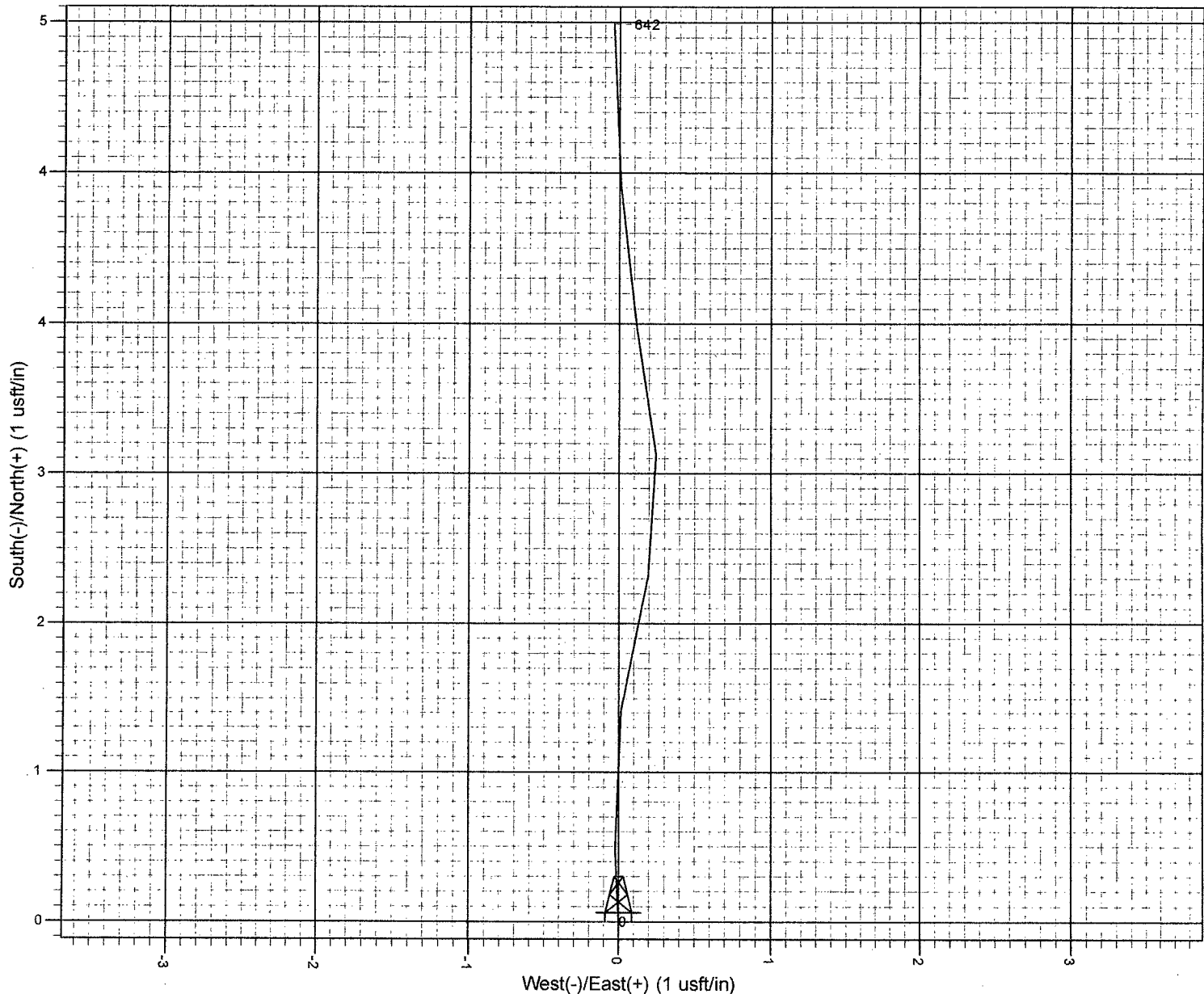


Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.51°

Magnetic Field
Strength: 48828.1snT
Dip Angle: 60.35°
Date: 11/28/2010
Model: BGGM2010

WELL DETAILS: Lost Tank 3 Federal #18
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	515267.38	676040.97	32° 24' 55.053 N	103° 45' 46.323 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