

OCCIDENTAL PERMIAN LTD.

Lost Tank Delaware, West
Eddy County, NM
Lost Tank 3 Federal #22
VH - Job #32K0111023

30-015-37921

Survey: Actual

SDI Standard Survey Report

16 January, 2011



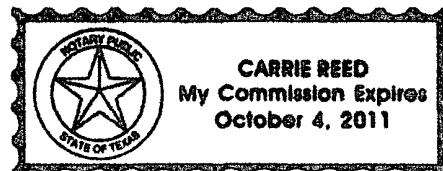
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 7th of January, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas



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 #22-Vertical					
Well Position	+N/-S	0.0 usft	Northing:	517,444.80 usft	Latitude:	32° 25' 16.672 N
	+E/-W	0.0 usft	Easting:	674,661.70 usft	Longitude:	103° 46' 2.278 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	0.0 usft	

Wellbore	VH - Job #32K0111023				
Magnetics	Model Name:	Sample Date	Declination	Dip Angle	Field Strength
	BGGM2010	1/9/2011	(°)	(°)	(nT)
			7.80	60.35	48,819

Design	VH - Job #32K0111023				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	95.51	

Survey Program	Date 1/16/2011				
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
109.4	655.0	Actual (VH - Job #32K0111023)	Keeper	Keeper Surface Readout	

Survey									
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance		
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0		
109.4	0.26	137.16	109.4	-0.2	0.2	137.16	0.2		
201.8	0.53	104.26	201.8	-0.4	0.7	121.29	0.8		
292.4	0.49	102.18	292.4	-0.6	1.5	112.51	1.6		
383.1	0.44	90.68	383.1	-0.7	2.2	107.65	2.3		
473.7	0.44	94.34	473.7	-0.7	2.9	104.21	3.0		
564.4	0.55	80.34	564.4	-0.7	3.7	100.62	3.8		
655.0	0.65	69.81	655.0	-0.4	4.6	95.51	4.6		



Project: Lost Tank Delaware, West
Eddy County, NM
Well: Lost Tank 3 Federal #22
Wellbore: VH - Job #32K0111023
Design: VH - Job #32K0111023

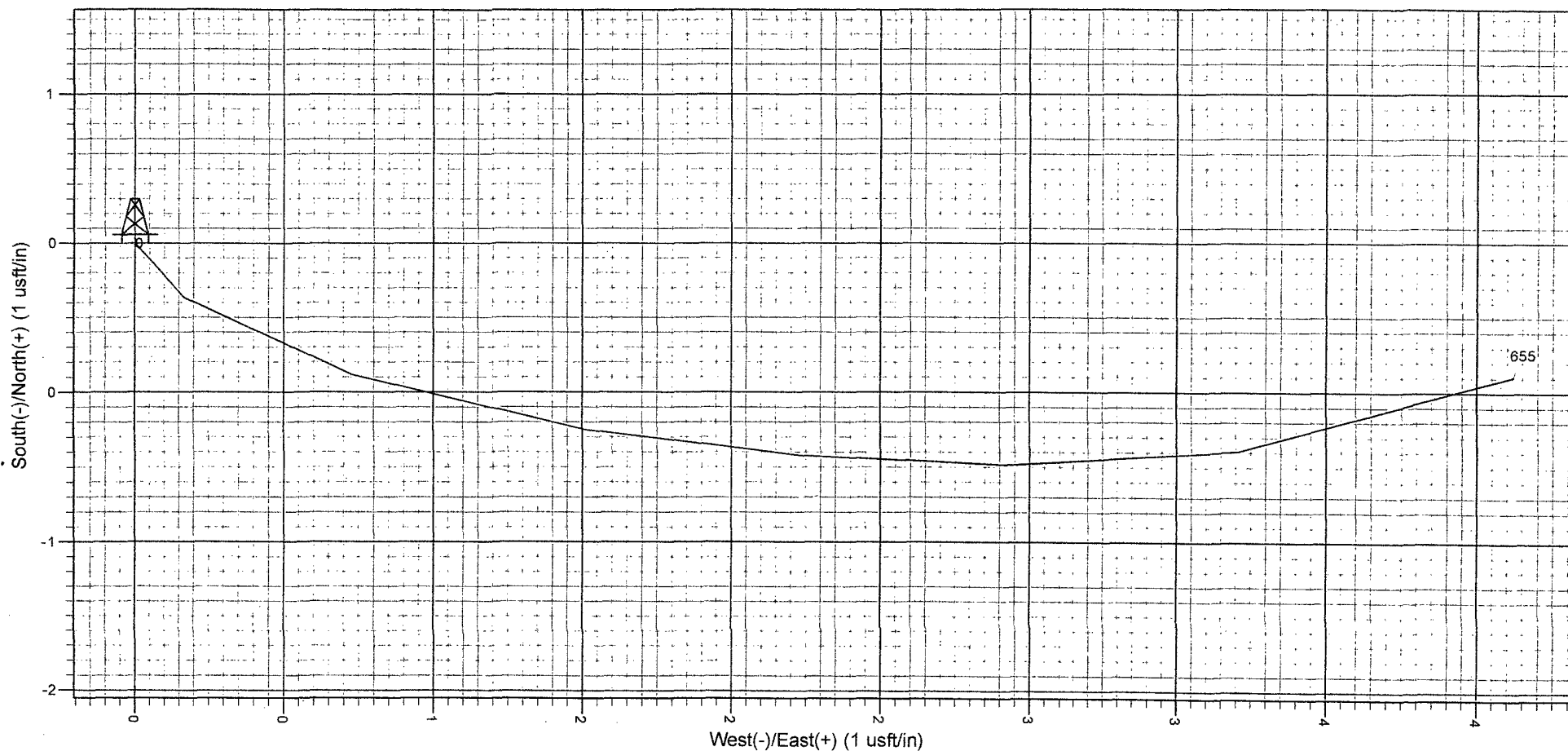


Azimuths to Grid North
True North: -0.30°
Magnetic North: 7.49°

Magnetic Field
Strength: 48818.6snT
Dip Angle: 60.35°
Date: 1/9/2011
Model: BGM2010

WELL DETAILS: Lost Tank 3 Federal #22
WELL @ 0.0usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	517444.80	674661.70	32° 25' 16.672 N	103° 46' 2.278 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