

30-015-37953

OCCIDENTAL PERMIAN LTD.

Lost Tank Delaware, West

Eddy County, NM

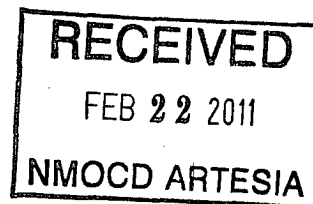
Lost Tank 4 Federal #9

VH - Job #32K1210992

Survey: Actual

SDI Standard Survey Report

21 December, 2010



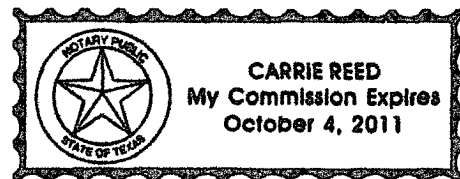
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notorized this date 31st of December, 2010.

[Signature]

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 #9
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 #9	North Reference:	Grid
Wellbore:	VH - Job #32K1210992	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1210992	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 4 Federal #9, Vertical					
Well Position	+N/-S	0.0 usft	Northing:	517,262.92 usft	Latitude:	32° 25' 15.352 N
	+E/-W	0.0 usft	Easting:	665,262.68 usft	Longitude:	103° 47' 51.940 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	0.0 usft

Wellbore:	VH - Job #32K1210992				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	12/16/2010	7.82	60.35	48,822

Design:	VH - Job #32K1210992				
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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	82.84	

Survey Program:	Date:	12/21/2010			
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
100.0	3,700.0	Actual (VH - Job #32K1210992)	Keeper	Keeper Surface Readout	

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
100.0	0.05	287.37	100.0	0.0	0.0	287.37	0.0
200.0	0.22	213.88	200.0	-0.1	-0.2	234.98	0.2
300.0	0.17	159.27	300.0	-0.4	-0.2	209.57	0.5
400.0	0.08	38.98	400.0	-0.5	-0.1	196.05	0.5
500.0	0.24	209.95	500.0	-0.6	-0.2	198.01	0.7
600.0	0.09	50.02	600.0	-0.8	-0.3	198.13	0.8
700.0	0.15	338.41	700.0	-0.6	-0.2	201.85	0.6
800.0	0.07	185.18	800.0	-0.5	-0.3	208.61	0.6
900.0	0.14	96.13	900.0	-0.6	-0.2	196.24	0.6
1,000.0	0.12	355.77	1,000.0	-0.5	-0.1	187.12	0.5
1,100.0	0.09	126.29	1,100.0	-0.5	0.0	181.20	0.5

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Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Lost Tank 4 Federal #9	North Reference:	Grid
Wellbore:	VH - Job #32K1210992	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1210992	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
1,200.0	0.27	356.83	1,200.0	-0.3	0.0	171.68	0.3	
1,300.0	0.09	182.92	1,300.0	-0.1	0.0	168.95	0.1	
1,400.0	0.17	63.63	1,400.0	-0.1	0.2	131.03	0.2	
1,500.0	0.09	192.27	1,500.0	-0.1	0.3	118.11	0.3	
1,600.0	0.36	159.62	1,600.0	-0.5	0.4	144.93	0.6	
1,700.0	0.27	116.67	1,700.0	-0.9	0.7	143.33	1.1	
1,800.0	0.39	146.45	1,800.0	-1.3	1.1	140.38	1.7	
1,900.0	0.76	129.36	1,900.0	-2.0	1.8	138.44	2.7	
2,000.0	0.91	100.06	2,000.0	-2.6	3.1	129.86	4.0	
2,100.0	0.85	104.46	2,100.0	-2.9	4.6	122.29	5.4	
2,200.0	0.93	90.08	2,200.0	-3.1	6.1	116.76	6.8	
2,300.0	1.02	91.24	2,299.9	-3.1	7.8	111.65	8.4	
2,400.0	1.37	95.10	2,399.9	-3.2	9.9	108.06	10.4	
2,500.0	1.89	87.75	2,499.9	-3.3	12.7	104.39	13.1	
2,600.0	2.15	91.54	2,599.8	-3.3	16.2	101.32	16.6	
2,700.0	2.51	90.16	2,699.7	-3.3	20.3	99.25	20.6	
2,800.0	2.75	86.15	2,799.6	-3.2	24.9	97.22	25.1	
2,900.0	2.94	87.91	2,899.5	-2.9	29.9	95.55	30.0	
3,000.0	3.37	86.10	2,999.4	-2.6	35.3	94.21	35.4	
3,100.0	3.55	87.92	3,099.2	-2.3	41.4	93.17	41.4	
3,200.0	3.93	86.40	3,199.0	-2.0	47.9	92.35	47.9	
3,300.0	4.03	75.02	3,298.7	-0.8	54.7	90.88	54.7	
3,400.0	4.67	67.71	3,398.4	1.6	61.9	88.51	61.9	
3,500.0	5.51	68.98	3,498.0	4.9	70.1	86.02	70.3	
3,600.0	5.89	70.98	3,597.5	8.3	79.4	84.06	79.9	
3,700.0	5.55	75.24	3,697.0	11.2	89.0	82.84	89.7	

Project: Lost Tank Delaware, West
Eddy County, NM
Well: Lost Tank 4 Federal #9
Wellbore: VH - Job #32K1210992
Design: VH - Job #32K1210992

Azimuths to Grid North
True North: -0.29°
Magnetic North: 7.54°
Magnetic Field
Strength: 48821.7nT
Dip Angle: 60.35°
Date: 12/16/2010
Model: BGGM2010

WELL DETAILS: Lost Tank 4 Federal #9
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 517262.92 665262.68 32° 25' 15.352 N 103° 47' 51.940 W

