



Job Number: SVMO-141168
 Company: OXY USA, Inc.
 Lease/Well: Red Tank 26 Federal 10H
 Location: Eddy County, NM
 Rig Name: H&P #621
 RKB: 27'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 6.90°
 Grid: East To Grid North
 File name: S:\2014SU-1\OXY\MOIREDTAN-1\26FEDE-1\10H.SVY
 Date/Time: 26-Aug-14 / 16:47
 Curve Name: Surface - 946' M.D. (Rate Gyro) (API 30-025-41127)

MS SURVEY

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane .00

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 946' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
 Shawn Cooper 8/26/14
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
82.00	.36	41.07	82.00	.19	.17	.19	.26	41.07	.44
175.00	.48	31.31	175.00	.75	.56	.75	.94	37.02	.15
267.00	.58	11.89	266.99	1.53	.86	1.53	1.76	29.30	.22
360.00	.72	1.71	359.99	2.58	.97	2.58	2.75	20.71	.19
483.00	.89	1.79	482.97	4.30	1.03	4.30	4.43	13.42	.14
576.00	1.19	3.73	575.96	5.99	1.11	5.99	6.09	10.52	.32
668.00	1.31	20.12	667.94	7.93	1.54	7.93	8.08	10.96	.41
761.00	1.53	9.65	760.91	10.15	2.11	10.15	10.37	11.74	.36
853.00	1.71	7.48	852.87	12.72	2.49	12.72	12.97	11.09	.21

HOBBSOOD
 MAR 02 2015
 RECEIVED

MAR 04 2015

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
Last Survey Depth Recorded									
946.00	1.69	.69	945.83	15.47	2.69	15.47	15.70	9.87	.22

HOBBSOCD

MAR 02 2015

RECEIVED

OCCIDENTAL PERMIAN LTD.

Red Tank

Lea County, NM (Grid North)

Red Tank "26" Federal #10H

DH - Job #320814-MPH-1058

Survey: MWD - Tie-In @ 946' by MS

SDI Survey Report

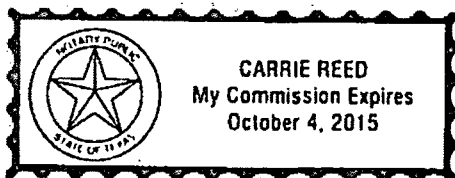
This survey is correct to the best of my knowledge and is supported by actual field data.

Luha

Notarized this date 2nd of October, 2014.

Carrie Reed

Notary Signature
County of Midland
State of Texas



SDI
SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Red Tank "26" Federal #10H
Project:	Red Tank	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Red Tank "26" Federal #10H	North Reference:	Grid
Wellbore:	DH - Job #320814-MPH-1058	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #320814-MPH-1058	Database:	EDM-Regulatory

Project:	Red Tank		
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:		Lea County, NM (Grid North)			
Site Position:		Northing:	495,362.79 usft	Latitude:	32° 21' 36.000 N
From:	Lat/Long	Easting:	711,926.41 usft	Longitude:	103° 38' 49.200 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.37 °

Well:	Red Tank "26" Federal #10H, Horizontal					
Well Position	+N/-S	0.0 usft	Northing:	494,019.01 usft	Latitude:	32° 21' 22.685 N
	+E/-W	0.0 usft	Easting:	712,204.99 usft	Longitude:	103° 38' 46.053 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	0.0 usft	

Wellbore	DH - Job #320814-MPH-1058				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/25/2014	7.24	60.22	48,394

Design:	DH - Job #320814-MPH-1058				
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	178.56	

Survey Program		Date	10/21/2014		
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
1,066.0	14,630.0	MWD - Tie-In @ 948' by MS (DH - Job #32	MWD	MWD	

Survey									
MD	Inc	Azi (azimuth)	TVD	N/S	E/W	Closure Azimuth	Closure Distance		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°)	(usft)		
946.0	1.69	0.69	945.8	15.5	2.7	9.88	15.7		
1,066.0	1.76	356.75	1,065.7	19.1	2.6	7.80	19.3		
1,161.0	1.49	357.19	1,160.7	21.8	2.5	6.47	21.9		
1,255.0	1.41	358.69	1,254.7	24.2	2.4	5.64	24.3		
1,350.0	1.41	355.00	1,349.6	26.5	2.3	4.87	26.6		
1,444.0	0.35	257.97	1,443.6	27.6	1.9	3.89	27.7		
1,538.0	0.70	216.39	1,537.6	27.1	1.3	2.65	27.1		
1,633.0	0.62	224.66	1,632.6	26.2	0.5	1.20	26.3		
1,727.0	0.62	233.62	1,726.6	25.6	-0.2	359.51	25.6		
1,821.0	0.70	220.61	1,820.6	24.8	-1.0	357.69	24.9		
1,916.0	0.53	221.05	1,915.6	24.1	-1.7	356.04	24.1		
2,010.0	0.44	228.08	2,009.6	23.5	-2.2	354.60	23.6		

SDI
SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Red Tank "26" Federal #10H
Project:	Red Tank	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Red Tank "26" Federal #10H	North Reference:	Grid
Wellbore:	DH - Job #320814-MPH-1058	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #320814-MPH-1058	Database:	EDM-Regulatory

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)	
2,105.0	0.53	221.32	2,104.6	22.9	-2.8	353.08	23.1	
2,198.0	0.44	214.72	2,198.6	22.3	-3.3	351.65	22.5	
2,294.0	0.35	207.98	2,293.6	21.8	-3.6	350.56	22.1	
2,388.0	0.18	246.80	2,387.6	21.4	-3.9	349.72	21.8	
2,483.0	0.26	203.56	2,482.6	21.2	-4.1	349.01	21.6	
2,577.0	0.09	161.64	2,576.6	20.9	-4.2	348.72	21.3	
2,672.0	0.00	161.37	2,671.6	20.8	-4.2	348.74	21.3	
2,766.0	0.35	89.04	2,765.6	20.9	-3.9	349.50	21.2	
2,861.0	0.44	88.95	2,860.6	20.9	-3.2	351.26	21.1	
2,955.0	0.44	41.75	2,954.6	21.1	-2.6	352.97	21.3	
3,050.0	0.70	51.16	3,049.8	21.8	-1.9	354.98	21.9	
3,144.0	0.79	36.93	3,143.6	22.7	-1.1	357.28	22.7	
3,238.0	0.97	42.19	3,237.6	23.8	-0.2	359.63	23.8	
3,333.0	1.06	46.85	3,332.6	25.0	1.0	2.36	25.0	
3,427.0	1.14	48.87	3,426.5	26.2	2.4	5.17	26.3	
3,522.0	1.06	38.41	3,521.5	27.5	3.6	7.52	27.7	
3,616.0	1.32	60.83	3,615.5	28.7	5.1	10.10	29.1	
3,711.0	1.85	54.50	3,710.5	30.1	7.3	13.65	31.0	
3,805.0	2.11	68.47	3,804.4	31.6	10.2	17.81	33.2	
3,900.0	2.37	67.95	3,899.3	33.0	13.6	22.40	35.7	
3,994.0	2.64	63.82	3,993.2	34.7	17.4	26.57	38.8	
4,089.0	1.93	62.76	4,088.2	36.4	20.7	29.68	41.9	
4,183.0	2.20	65.22	4,182.1	37.9	23.8	32.13	44.7	
4,278.0	2.29	75.59	4,277.0	38.1	27.3	34.90	47.7	
4,372.0	2.64	80.25	4,370.9	38.9	31.2	38.02	50.7	
4,467.0	2.73	91.24	4,465.8	40.3	35.6	41.52	53.8	
4,561.0	2.73	91.85	4,559.7	40.1	40.1	44.99	56.8	
4,655.0	2.64	92.64	4,653.6	40.0	44.5	48.09	59.8	
4,750.0	2.37	88.80	4,748.5	39.9	48.7	50.64	62.9	
4,791.0	2.55	88.16	4,789.5	40.0	50.4	51.60	64.3	
4,937.0	2.02	77.61	4,935.4	40.8	56.2	54.14	69.3	
5,031.0	1.76	85.08	5,029.3	41.1	59.2	55.25	72.1	
5,126.0	1.67	84.29	5,124.3	41.4	62.1	56.32	74.6	
5,220.0	1.76	86.14	5,218.3	41.6	64.9	57.33	77.1	
5,315.0	1.58	71.99	5,313.2	42.1	67.6	58.08	79.6	
5,409.0	1.58	71.11	5,407.2	42.9	70.0	58.50	82.1	
5,504.0	1.41	72.25	5,502.1	43.7	72.4	58.88	84.6	
5,598.0	1.85	84.73	5,596.1	44.2	75.0	59.49	87.1	
5,692.0	1.76	33.84	5,690.1	45.5	77.3	59.51	89.7	
5,787.0	1.58	19.69	5,785.0	48.0	78.6	58.59	92.1	
5,881.0	1.85	23.91	5,879.0	50.6	79.6	57.57	94.3	
5,976.0	1.49	32.79	5,973.9	53.0	80.9	56.76	96.7	
6,070.0	1.76	24.00	6,067.9	55.4	82.2	56.02	99.1	
6,165.0	1.58	34.46	6,162.9	57.8	83.5	55.32	101.5	

SDI SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Red Tank "26" Federal #10H
Project:	Red Tank	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Red Tank "26" Federal #10H	North Reference:	Grid
Wellbore:	DH - Job #320814-MPH-1058	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #320814-MPH-1058	Database:	EDM-Regulatory

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Closure Azimuth (°)	Closure Distance (usft)	
6,259.0	1.76	33.14	6,256.8	60.1	85.0	54.76	104.1	
6,354.0	1.49	13.28	6,351.8	62.5	86.1	54.03	106.4	
6,448.0	2.64	343.92	6,445.7	65.8	85.8	52.53	108.1	
6,543.0	2.64	345.42	6,540.6	70.0	84.6	50.41	109.8	
6,637.0	2.55	353.59	6,634.5	74.1	83.8	48.51	111.9	
6,732.0	2.29	349.90	6,729.4	78.1	83.3	46.83	114.2	
6,826.0	2.29	348.58	6,823.4	81.8	82.6	45.27	116.2	
6,920.0	2.99	350.43	6,917.3	86.1	81.8	43.54	118.7	
7,015.0	3.78	353.85	7,012.1	91.6	81.1	41.50	122.3	
7,109.0	3.61	354.65	7,105.9	97.6	80.4	39.48	126.5	
7,204.0	5.36	349.55	7,200.6	105.0	79.4	37.09	131.6	
7,298.0	7.12	349.99	7,294.1	115.0	77.6	33.98	138.7	
7,393.0	9.85	347.17	7,388.0	128.8	74.7	30.13	148.9	
7,487.0	9.41	346.65	7,480.7	144.1	71.2	26.28	160.7	
7,582.0	8.79	346.38	7,574.5	158.7	67.7	23.09	172.5	
7,676.0	10.29	339.09	7,667.2	173.5	63.0	19.95	184.6	
7,771.0	9.76	336.98	7,760.7	188.9	56.8	16.74	197.2	
7,865.0	9.50	336.21	7,853.4	203.4	50.8	14.02	209.6	
7,960.0	8.79	338.74	7,947.2	217.4	45.3	11.76	222.1	
8,054.0	8.27	338.21	8,040.2	230.4	40.1	9.88	233.9	
8,148.0	7.56	338.82	8,133.3	242.5	35.4	8.31	245.0	
8,243.0	7.30	339.70	8,227.5	253.9	31.0	6.97	255.8	
8,337.0	7.65	336.54	8,320.7	265.3	26.5	5.70	266.6	
8,432.0	7.65	337.33	8,414.8	276.9	21.5	4.45	277.8	
8,526.0	7.56	337.42	8,508.0	288.4	16.7	3.32	288.9	
8,629.0	5.63	335.75	8,610.3	299.3	12.1	2.31	299.5	
8,724.0	2.37	300.68	8,705.1	304.5	8.5	1.59	304.6	
8,818.0	1.76	279.41	8,799.0	305.7	5.4	1.01	305.8	
8,913.0	1.41	264.03	8,894.0	305.9	2.8	0.52	305.9	
9,007.0	1.06	250.41	8,988.0	305.4	0.8	0.15	305.4	
9,102.0	1.93	228.08	9,082.9	304.1	-1.2	359.77	304.1	
9,147.0	6.86	199.52	9,127.8	301.0	-2.7	359.49	301.1	
9,196.0	10.02	202.07	9,176.2	294.3	-5.3	358.98	294.4	
9,241.0	13.19	201.63	9,220.3	285.9	-8.6	358.27	286.1	
9,316.0	17.50	205.85	9,292.6	267.8	-16.7	356.43	268.3	
9,361.0	20.40	204.26	9,335.2	254.6	-22.9	354.86	255.6	
9,410.0	21.63	203.47	9,380.9	238.5	-30.0	352.83	240.4	
9,455.0	23.30	202.59	9,422.5	222.7	-36.7	350.64	225.7	
9,505.0	23.83	200.66	9,468.3	204.1	-44.1	347.82	208.8	
9,599.0	23.57	198.99	9,554.4	168.6	-56.9	341.35	177.9	
9,697.0	28.14	191.52	9,642.6	127.4	-67.9	331.94	144.3	
9,792.0	48.01	177.55	9,717.2	69.4	-70.9	314.41	99.2	
9,837.0	58.39	174.91	9,744.1	33.6	-88.5	296.11	76.2	
9,867.0	63.05	175.61	9,758.7	7.5	-66.3	276.44	66.7	

SDI
SDI Survey Report

Company: OCCIDENTAL PERMIAN LTD.		Local Co-ordinate Reference:		Well Red Tank "26" Federal #10H	
Project: Red Tank		TVD Reference:		Mean Sea Level (System)	
Site: Lea County, NM (Grid North)		MD Reference:		Mean Sea Level (System)	
Well: Red Tank "26" Federal #10H		North Reference:		Grid	
Wellbore: DH - Job #320814-MPH-1058		Survey Calculation Method:		Minimum Curvature	
Design: DH - Job #320814-MPH-1058		Database:		EDM-Regulatory	

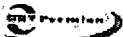
Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)	
9,886.0	65.16	175.44	9,767.0	-9.6	-65.0	261.63	65.7	
9,917.0	70.26	175.00	9,778.8	-38.1	-62.6	238.64	73.3	
9,933.0	72.94	174.65	9,783.8	-53.3	-61.2	228.98	81.1	
9,954.0	76.50	174.38	9,789.4	-73.4	-59.3	218.92	94.4	
9,985.0	80.46	173.41	9,795.6	-103.6	-56.0	208.41	117.8	
10,017.0	83.62	171.66	9,800.0	-135.0	-51.9	201.03	144.7	
10,080.0	88.55	169.46	9,804.3	-197.0	-41.6	191.93	201.4	
10,174.0	88.72	168.23	9,806.5	-289.2	-23.4	184.63	290.1	
10,269.0	87.85	169.64	9,809.4	-382.4	-5.2	180.78	382.4	
10,363.0	87.93	170.43	9,812.8	-474.9	11.0	178.67	475.0	
10,458.0	88.48	175.96	9,815.8	-569.2	22.3	177.76	569.6	
10,552.0	88.90	175.61	9,818.0	-662.9	29.2	177.48	663.5	
10,647.0	87.85	178.34	9,820.7	-757.7	34.2	177.41	758.5	
10,742.0	88.02	177.99	9,824.1	-852.6	37.2	177.50	853.4	
10,836.0	87.93	177.99	9,827.4	-946.5	40.5	177.55	947.3	
10,931.0	90.04	177.99	9,829.1	-1,041.4	43.9	177.59	1,042.3	
11,026.0	90.40	181.06	9,828.8	-1,136.4	44.7	177.75	1,137.3	
11,120.0	91.10	181.32	9,827.5	-1,230.3	42.7	178.01	1,231.1	
11,215.0	91.45	180.36	9,825.4	-1,325.3	41.3	178.21	1,326.0	
11,309.0	91.54	180.01	9,823.0	-1,419.3	41.0	178.34	1,419.9	
11,404.0	87.58	179.30	9,823.7	-1,514.3	41.6	178.43	1,514.8	
11,498.0	87.67	179.83	9,827.6	-1,608.2	42.3	178.49	1,608.7	
11,593.0	87.85	180.01	9,831.3	-1,703.1	42.4	178.57	1,703.6	
11,688.0	88.46	179.66	9,834.4	-1,798.0	42.7	178.64	1,798.6	
11,782.0	88.81	180.01	9,836.6	-1,892.0	43.0	178.70	1,892.5	
11,876.0	88.99	178.69	9,838.4	-1,986.0	44.0	178.73	1,986.5	
11,971.0	89.60	178.95	9,839.6	-2,081.0	46.0	178.73	2,081.5	
12,065.0	89.87	179.74	9,840.0	-2,175.0	47.1	178.76	2,175.5	
12,160.0	90.31	179.39	9,839.9	-2,270.0	47.8	178.79	2,270.5	
12,254.0	90.92	178.04	9,838.9	-2,363.9	49.1	178.81	2,364.5	
12,349.0	91.36	179.83	9,837.0	-2,458.9	50.0	178.83	2,459.4	
12,443.0	88.81	176.75	9,836.8	-2,552.9	52.8	178.81	2,553.4	
12,538.0	88.55	176.49	9,839.0	-2,647.7	58.4	178.74	2,648.3	
12,633.0	88.20	175.88	9,841.7	-2,742.4	64.7	178.65	2,743.2	
12,727.0	89.25	175.96	9,843.8	-2,836.2	71.4	178.56	2,837.1	
12,822.0	90.75	176.23	9,843.8	-2,930.9	77.9	178.48	2,932.0	
12,917.0	92.07	176.14	9,841.5	-3,025.7	84.2	178.41	3,026.9	
13,011.0	91.80	177.55	9,838.3	-3,119.5	89.4	178.36	3,120.8	
13,106.0	89.78	177.63	9,837.0	-3,214.4	93.4	178.34	3,215.7	
13,200.0	90.57	179.22	9,836.7	-3,308.4	98.0	178.34	3,309.7	
13,294.0	90.57	179.39	9,835.8	-3,402.3	97.1	178.37	3,403.7	
13,389.0	89.90	178.51	9,835.4	-3,497.3	98.8	178.38	3,498.7	
13,483.0	89.87	178.16	9,835.6	-3,591.3	101.6	178.38	3,592.7	
13,578.0	88.99	179.13	9,836.5	-3,686.2	103.8	178.39	3,687.7	
13,672.0	89.52	178.86	9,837.7	-3,780.2	105.5	178.40	3,781.7	

SDI
SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Red Tank "26" Federal #10H
Project:	Red Tank	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Red Tank "26" Federal #10H	North Reference:	Grid
Wellbore:	DH - Job #320814-MPH-1058	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #320814-MPH-1058	Database:	EDM-Regulatory

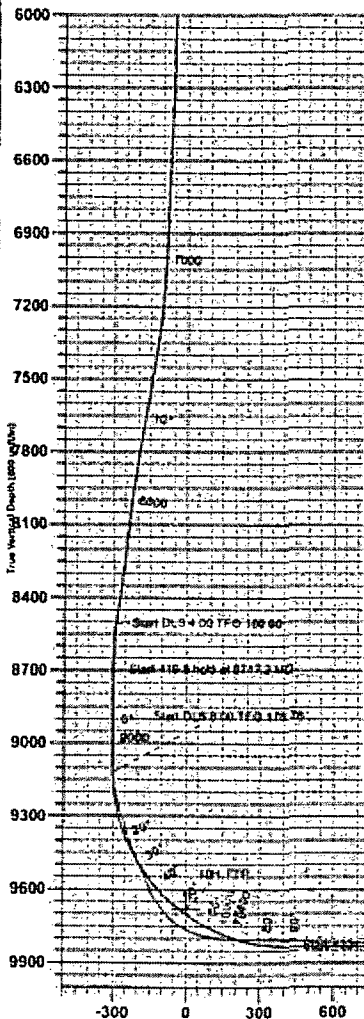
Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)
13,767.0	89.69	177.37	9,838.4	-3,875.2	108.6	178.39	3,876.7
13,861.0	89.16	180.53	9,839.3	-3,969.1	110.3	178.41	3,970.7
13,956.0	88.72	181.24	9,841.1	-4,064.1	108.9	178.47	4,065.6
14,051.0	88.90	181.85	9,843.0	-4,159.1	106.3	178.54	4,160.4
14,145.0	89.25	181.68	9,844.6	-4,253.0	103.4	178.61	4,254.3
14,240.0	89.43	181.94	9,845.7	-4,347.9	100.4	178.68	4,349.1
14,334.0	90.13	181.24	9,846.0	-4,441.9	97.8	178.74	4,443.0
14,429.0	90.04	180.45	9,845.9	-4,536.9	96.4	178.78	4,537.9
14,524.0	90.40	179.22	9,845.5	-4,631.9	96.7	178.80	4,632.9
14,582.0	90.84	178.69	9,844.9	-4,689.9	97.7	178.81	4,690.9
Last MWD Survey							
14,630.0	90.84	178.69	9,844.2	-4,737.9	98.8	178.81	4,738.9
Projection to Bit							

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
14,582.0	9,844.9	-4,689.9	97.7	Last MWD Survey
14,630.0	9,844.2	-4,737.9	98.8	Projection to Bit



RT 26 F 10H
Lea County, New Mexico
Northing: 498607.70
Easting: 712089.40
Plan 84

KB+25 @ 3734 AUSD (H&P 021)
Gr B 3709.4



WELL DETAILS: RT 26 F 10H

Ground Level: 3709.4

0.0	+N/-S	0.0	+E/-W	Northing	Easting	Latitude	Longitude
				498607.70	712089.40	32° 22' 8.100 N	103° 38' 47.057 W

SITE DETAILS: Red Tank 26 Federal 10H

Site Centre Northing: 498607.70
Easting: 712089.40

Positional Uncertainty: 0.0
Convergence: 0.37
Local North: Grid

PROJECT DETAILS: Lea County, New Mexico

Geodetic System: US State Plane 1927
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

System Datum: Mean Sea Level

SECTION DETAILS:

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecd	Target
8526.0	7.56	337.42	8508.0	288.4	16.7	0.00	0.00	-287.9	
8715.0	0.00	0.00	8696.5	299.9	12.0	4.00	180.00	-299.5	
9136.8	0.00	0.00	9118.2	299.9	12.0	0.00	0.00	-299.5	
10261.8	90.00	178.79	9834.4	-416.2	27.1	8.00	178.79	416.7	
14585.5	90.00	178.79	9834.4	-4738.9	118.8	0.00	0.00	4740.4	10H BHL

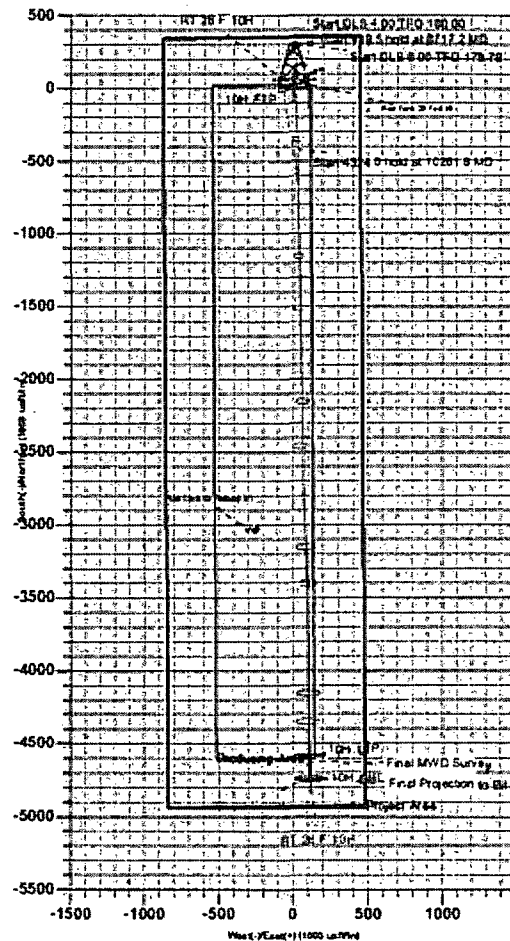
DESIGN TARGET DETAILS:

Name	TVD	+N/-S	+E/-W	Northing	Easting
10H FTP 9678.6		0.0	0.0	498607.70	712089.40
10H LTP 9833.0		-4579.9	115.8	494027.80	712205.20
10H BHL 9834.4		-4738.9	118.8	493868.80	712208.20



By standard computer program on 04/11/2014
No manual data entry in plan, section or 3D

Printed on 04/11/2014
User: J. Durn
Project: RT 26 F 10H
Drawing: RT 26 F 10H
Scale: 1" = 100'



James Durn
9/15, September 18 2014
Scientific Drilling, Inc.
325 Faudree Rd
Odessa, TX 79765

OXY USA INC.
Red Tank 26 Federal 10H
API No. 30-025-41127

14-3/4" hole @ 1044'
11-3/4" csg @ 1044'
w/ 1070sx-TOC-Surf-Circ.

10-5/8" hole @ 4850'
8-5/8" csg @ 4840'
w/ 1770sx-TOC-Surf-Circ.

7-7/8" hole @ 14630'
5-1/2" csg @ 14493'
DVT @ 4849'
w/ 1680sx-TOC-Surf-Circ.

Perfs @ 10052-14344'

TD- 14630'M 9844'V