Results of Directional Survey

API number:	30-025-41257		
OGRID:		Operator:	OCCIDENTAL PERMIAN LTD
		Property:	LUSK 28 WEST FEDERAL COM # 1H

surface	ULSTR:	O	28	T	19S	R	32E
				652	FSL	2425	FEL

BH Loc	ULSTR:	B	28	T	19S	R	32E
13366	MD	9385.7	TVD	397	FNL	2235	FEL
				4883	FSL		

Top Perf/OH	ULSTR:	O	28	T	19S	R	32E
9780	MD	9432.7	TVD	1301	FSL	2305	FEL

Bot Perf/OH	ULSTR:	B	28	T	19S	R	32E
13230	MD	9381.7	TVD	533	FNL	2242	FEL
				4747	FSL		

	MD	N/S	E/W	VD
	9770	639.70	119.70	9430.3
TOP PERFS/OH	**9780**	649.41	119.93	9432.65
	9801	669.80	120.40	9437.60
	13228	4092.80	183.10	9381.60
BOT PERFS/OH	**13230**	4094.80	183.19	9381.66
	13366	4230.50	189.60	9385.70

NEXT TO LAST	13228	4092.80	183.10	9381.60
LAST READING	13366	4230.50	189.60	9385.70
TD	**13366**	4230.50	189.60	9385.70

Surface Location	652	FS	2425	FE
Projected BHL	4883	FS	2235	FE
Location of				
Top Perfs/OH	1301	FS	2305	FE
Bottom Perfs/OH	4747	FS	2242	FE

SUMMARY of Subsurface Locations

Surface Location	O-28-19S-32E	652	FS	2425	FE	Vert. Depth
Top Perfs/OH	O-28-19S-32E	1301	FS	2305	FE	9432.65
Bottom Perfs/OH	B-28-19S-32E	4747	FS	2242	FE	9381.66
Projected TD	B-28-19S-32E	4883	FS	2235	FE	9385.70

OCCIDENTAL PERMIAN LTD.

Lusk Bone Spring
Lea County, NM (Grid North)
Lusk "28" West Federal Com #1H
VH - Job #321213-MPH-M-1319

Survey: MWD - Tie-In @ 939' by MS

SDI Survey Report

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

Notarized this date 13th of March, 2014.

Carrie Reed
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2015

SDI

SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Lusk "28" West Federal Com #1H
Project:	Lusk Bone Spring	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Lusk "28" West Federal Com #1H	North Reference:	Grid
Wellbore:	VH - Job #321213-MPH-M-1319	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321213-MPH-M-1319	Database:	EDM-Regulatory

Project Lusk Bone Spring

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:	590,853.87 usft	Latitude:	32° 37' 23.247 N
From:	Lat/Long	Easting:	671,588.95 usft	Longitude:	103° 46' 33.646 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.30 °

Well Lusk "28" West Federal Com #1H, Horizontal

Well Position	+N/-S	0.0 usft	Northing:	592,568.40 usft	Latitude:	32° 37' 40.110 N
	+E/-W	0.0 usft	Easting:	673,562.45 usft	Longitude:	103° 46' 10.465 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	0.0 usft

Wellbore VH - Job #321213-MPH-M-1319

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/25/2013	7.40	60.46	48,610

Design VH - Job #321213-MPH-M-1319

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	1.50

Survey Program Date 3/13/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
1,114.0	13,366.0	MWD - Tie-In @ 939' by MS (VH - Job #32	Keeper	Keeper Surface Readout

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)
939.0	1.53	171.10	938.9	-11.2	0.8	175.97	11.2
1,114.0	1.85	157.48	1,113.8	-16.1	2.2	172.12	16.3
1,145.0	1.58	144.21	1,144.8	-16.9	2.7	171.03	17.2
1,239.0	0.88	122.58	1,238.8	-18.4	4.0	167.60	18.8
1,333.0	1.06	127.77	1,332.8	-19.3	5.3	164.55	20.0
1,428.0	0.62	131.37	1,427.8	-20.2	6.4	162.36	21.2
1,522.0	0.97	132.43	1,521.8	-21.1	7.4	160.67	22.3
1,616.0	0.70	132.08	1,615.8	-22.0	8.4	159.09	23.5
1,710.0	0.35	89.54	1,709.8	-22.4	9.1	157.83	24.1
1,805.0	0.44	79.52	1,804.7	-22.3	9.8	156.35	24.3
1,899.0	0.62	90.06	1,898.7	-22.2	10.6	154.45	24.6
1,993.0	0.62	102.46	1,992.7	-22.3	11.6	152.50	25.2

SDI

SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Lusk "28" West Federal Com #1H
Project:	Lusk Bone Spring	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Lusk "28" West Federal Com #1H	North Reference:	Grid
Wellbore:	VH - Job #321213-MPH-M-1319	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321213-MPH-M-1319	Database:	EDM-Regulatory

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)
2,087.0	0.88	81.54	2,086.7	-22.3	12.8	150.11	25.8
2,182.0	0.97	77.41	2,181.7	-22.1	14.3	146.96	26.3
2,276.0	0.70	88.04	2,275.7	-21.9	15.7	144.33	26.9
2,370.0	0.79	67.92	2,369.7	-21.6	16.9	142.01	27.4
2,465.0	0.62	74.42	2,464.7	-21.2	18.0	139.73	27.8
2,559.0	0.79	101.23	2,558.7	-21.2	19.1	138.00	28.5
2,653.0	0.35	85.41	2,652.7	-21.3	20.0	136.79	29.2
2,748.0	0.44	109.05	2,747.7	-21.4	20.7	136.03	29.7
2,842.0	0.79	104.39	2,841.7	-21.7	21.6	135.08	30.6
2,897.0	0.79	103.07	2,896.7	-21.9	22.4	134.36	31.3
3,033.0	0.79	102.63	3,032.7	-22.3	24.2	132.65	32.9
3,128.0	0.88	106.94	3,127.6	-22.6	25.5	131.57	34.1
3,222.0	0.97	102.19	3,221.6	-23.0	27.0	130.45	35.5
3,316.0	0.79	107.03	3,315.6	-23.4	28.4	129.47	36.8
3,410.0	1.41	99.91	3,409.6	-23.8	30.2	128.25	38.4
3,505.0	0.97	25.20	3,504.6	-23.2	31.6	126.29	39.3
3,662.0	0.88	3.76	3,661.6	-20.8	32.3	122.83	38.4
3,788.0	1.03	358.88	3,787.6	-18.7	32.3	120.09	37.4
3,882.0	1.08	335.89	3,881.5	-17.1	32.0	118.13	36.2
3,976.0	1.06	341.87	3,975.5	-15.4	31.3	116.25	34.9
4,086.0	1.41	324.82	4,085.5	-13.4	30.2	113.87	33.0
4,165.0	0.43	314.11	4,164.5	-12.4	29.5	112.79	31.9
4,259.0	0.70	169.52	4,258.5	-12.7	29.3	113.42	31.9
4,352.0	0.97	168.38	4,351.5	-14.0	29.6	115.37	32.7
4,446.0	0.79	159.76	4,445.5	-15.4	29.9	117.23	33.7
4,540.0	0.70	162.22	4,539.5	-16.6	30.3	118.63	34.6
4,635.0	0.62	161.96	4,634.4	-17.6	30.7	119.85	35.4
4,729.0	0.53	169.34	4,728.4	-18.5	30.9	120.91	36.0
4,824.0	0.35	173.12	4,823.4	-19.2	31.0	121.79	36.5
4,918.0	0.35	175.41	4,917.4	-19.8	31.1	122.50	36.9
5,012.0	0.26	180.33	5,011.4	-20.3	31.1	123.13	37.2
5,106.0	0.62	148.86	5,105.4	-21.0	31.4	123.74	37.7
5,200.0	0.53	129.35	5,199.4	-21.7	32.0	124.12	38.6
5,295.0	0.53	123.99	5,294.4	-22.2	32.7	124.18	39.5
5,389.0	0.53	128.39	5,388.4	-22.7	33.4	124.22	40.4
5,484.0	0.44	133.83	5,483.4	-23.2	34.0	124.35	41.2
5,578.0	0.62	297.40	5,577.4	-23.2	33.8	124.52	41.0
5,672.0	0.97	271.47	5,671.4	-23.0	32.6	125.23	39.9
5,767.0	1.23	256.79	5,766.4	-23.2	30.8	127.03	38.5
5,861.0	1.76	253.28	5,860.4	-23.8	28.4	130.03	37.1
5,955.0	0.88	269.36	5,954.3	-24.3	26.3	132.72	35.8
6,049.0	1.06	284.30	6,048.3	-24.1	24.7	134.23	34.5
6,144.0	0.97	284.04	6,143.3	-23.7	23.1	135.69	33.1
6,238.0	0.88	274.72	6,237.3	-23.4	21.6	137.29	31.8

SDI

SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Lusk "28" West Federal Com #1H
Project:	Lusk Bone Spring	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Lusk "28" West Federal Com #1H	North Reference:	Grid
Wellbore:	VH - Job #321213-MPH-M-1319	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321213-MPH-M-1319	Database:	EDM-Regulatory

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)
6,332.0	1.06	279.03	6,331.3	-23.2	20.0	139.21	30.6
6,426.0	1.06	275.34	6,425.3	-23.0	18.3	141.48	29.4
6,520.0	0.97	261.98	6,519.2	-23.0	16.6	144.13	28.4
6,615.0	1.14	271.21	6,614.2	-23.1	14.9	147.18	27.5
6,709.0	1.14	257.32	6,708.2	-23.3	13.1	150.73	26.7
6,804.0	1.14	264.79	6,803.2	-23.6	11.2	154.62	26.1
6,898.0	1.14	248.27	6,897.2	-24.0	9.4	158.64	25.8
6,992.0	1.23	255.04	6,991.2	-24.6	7.5	162.96	25.8
7,086.0	1.23	243.70	7,085.1	-25.3	5.7	167.38	26.0
7,180.0	1.49	251.70	7,179.1	-26.2	3.6	172.15	26.4
7,275.0	1.76	250.11	7,274.1	-27.0	1.1	177.75	27.1
7,369.0	0.44	225.24	7,368.0	-27.8	-0.6	181.14	27.8
7,463.0	0.53	213.99	7,462.0	-28.4	-1.1	182.12	28.4
7,557.0	0.97	216.28	7,556.0	-29.4	-1.8	183.44	29.5
7,652.0	1.14	237.37	7,651.0	-30.6	-3.0	185.68	30.7
7,746.0	1.85	255.83	7,745.0	-31.4	-5.3	189.56	31.9
7,840.0	0.35	337.92	7,839.0	-31.5	-6.9	192.30	32.3
7,935.0	1.41	316.56	7,934.0	-30.4	-7.8	194.36	31.4
8,060.0	2.02	304.61	8,058.9	-28.1	-10.7	200.80	30.0
8,123.0	2.02	313.22	8,121.9	-26.7	-12.4	204.90	29.4
8,218.0	1.76	323.33	8,216.8	-24.4	-14.5	210.72	28.3
8,312.0	1.85	315.42	8,310.8	-22.1	-16.4	216.56	27.5
8,407.0	0.88	355.32	8,405.7	-20.3	-17.5	220.83	26.8
8,501.0	1.14	33.55	8,499.7	-18.8	-17.1	222.25	25.4
8,596.0	1.06	28.19	8,594.7	-17.2	-16.1	223.12	23.6
8,645.0	0.79	17.03	8,643.7	-16.5	-15.8	223.78	22.9
8,671.0	4.22	80.75	8,669.7	-16.2	-14.8	222.49	22.0
8,702.0	9.23	80.75	8,700.5	-15.6	-11.2	215.79	19.2
8,733.0	10.64	81.28	8,731.0	-14.8	-6.0	201.99	15.9
8,764.0	10.99	77.23	8,761.4	-13.7	-0.3	181.07	13.7
8,796.0	15.48	67.21	8,792.6	-11.4	6.7	149.61	13.2
8,827.0	19.79	62.73	8,822.1	-7.3	15.1	115.88	16.8
8,859.0	23.39	59.39	8,851.9	-1.6	25.4	93.66	25.5
8,890.0	26.20	54.21	8,880.0	5.5	36.3	81.36	36.7
8,922.0	27.61	45.77	8,908.6	14.8	47.3	72.62	49.6
8,953.0	28.84	38.12	8,935.9	25.7	57.1	65.75	62.6
8,984.0	30.16	30.04	8,962.9	38.3	65.6	59.70	76.0
9,016.0	31.48	21.07	8,990.4	53.1	72.6	53.83	90.0
9,047.0	33.41	12.98	9,016.5	69.0	77.5	48.32	103.7
9,078.0	35.14	7.01	9,042.2	86.2	80.5	43.05	117.9
9,110.0	36.93	2.61	9,068.0	104.9	82.0	38.03	133.2
9,141.0	39.04	0.59	9,092.5	124.0	82.6	33.66	149.0
9,172.0	41.86	359.80	9,116.1	144.1	82.6	29.83	166.1
9,204.0	44.05	0.59	9,139.5	165.9	82.7	26.50	185.4

SDI

SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	Local Co-ordinate Reference:	Well Lusk "28" West Federal Com #1H
Project:	Lusk Bone Spring	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Lusk "28" West Federal Com #1H	North Reference:	Grid
Wellbore:	VH - Job #321213-MRH-M-1319	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321213-MRH-M-1319	Database:	EDM-Regulatory

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)
9,235.0	45.11	1.65	9,161.6	187.6	83.1	23.90	205.2
9,267.0	45.64	1.73	9,184.0	210.4	83.8	21.72	226.5
9,298.0	47.48	2.35	9,205.4	232.9	84.6	19.97	247.8
9,329.0	48.98	2.70	9,226.0	256.0	85.6	18.49	269.9
9,361.0	50.01	4.07	9,246.8	280.3	87.1	17.26	293.5
9,392.0	50.46	8.43	9,266.6	304.0	89.7	16.44	316.9
9,424.0	52.14	9.73	9,286.6	328.6	93.6	15.90	341.7
9,455.0	55.40	7.98	9,305.0	353.3	97.4	15.42	366.5
9,487.0	58.74	6.83	9,322.4	380.0	100.9	14.87	393.1
9,518.0	60.59	6.22	9,338.0	406.5	103.9	14.34	419.6
9,550.0	62.52	6.22	9,353.2	434.5	107.0	13.83	447.5
9,581.0	64.89	5.60	9,367.0	462.2	109.9	13.37	475.0
9,612.0	67.27	5.07	9,379.5	490.4	112.5	12.92	503.1
9,644.0	68.94	3.76	9,391.5	520.0	114.8	12.45	532.5
9,676.0	70.52	2.53	9,402.6	549.9	116.4	11.95	562.1
9,707.0	72.11	2.26	9,412.5	579.3	117.6	11.48	591.1
9,739.0	73.42	2.09	9,422.0	609.8	118.8	11.02	621.3
9,770.0	75.40	1.51	9,430.3	639.7	119.7	10.60	650.8
9,801.0	77.27	1.00	9,437.6	669.8	120.4	10.19	680.5
9,833.0	80.20	0.94	9,443.9	701.2	120.9	9.79	711.5
9,853.0	82.04	0.33	9,447.0	720.9	121.1	9.54	731.0
9,884.0	85.12	358.92	9,450.4	751.7	120.9	9.14	761.4
9,916.0	87.49	359.27	9,452.5	783.6	120.4	8.74	792.8
9,947.0	88.81	359.01	9,453.5	814.6	120.0	8.38	823.4
9,979.0	90.04	359.45	9,453.8	846.6	119.5	8.04	855.0
10,010.0	91.10	0.15	9,453.5	877.6	119.4	7.75	885.7
10,104.0	94.97	1.21	9,448.5	971.5	120.5	7.07	978.9
10,199.0	94.70	0.59	9,440.5	1,066.1	122.0	6.53	1,073.1
10,293.0	92.42	1.10	9,434.7	1,159.9	123.4	6.07	1,166.5
10,387.0	93.21	0.94	9,430.1	1,253.8	125.1	5.70	1,260.0
10,482.0	91.28	1.47	9,426.4	1,348.7	127.1	5.38	1,354.7
10,576.0	92.68	1.03	9,423.1	1,442.6	129.1	5.12	1,448.4
10,670.0	91.19	2.09	9,419.9	1,536.5	131.7	4.90	1,542.1
10,766.0	92.68	1.56	9,416.7	1,632.4	134.8	4.72	1,637.9
10,861.0	91.28	1.56	9,413.4	1,727.3	137.3	4.55	1,732.8
10,956.0	91.54	2.61	9,411.1	1,822.2	140.8	4.42	1,827.6
11,052.0	91.54	2.61	9,408.5	1,918.1	145.2	4.33	1,923.6
11,148.0	93.39	0.68	9,404.4	2,013.9	147.9	4.20	2,019.4
11,242.0	92.59	0.42	9,399.5	2,107.8	148.8	4.04	2,113.1
11,336.0	91.36	0.59	9,396.2	2,201.7	149.6	3.89	2,206.8
11,430.0	91.10	0.33	9,394.2	2,295.7	150.4	3.75	2,300.6
11,525.0	92.42	0.15	9,391.3	2,390.7	150.8	3.61	2,395.4
11,619.0	91.10	0.77	9,388.4	2,484.6	151.6	3.49	2,489.2
11,714.0	91.19	1.03	9,386.5	2,579.6	153.0	3.40	2,584.1
11,809.0	92.68	1.91	9,383.3	2,674.5	155.5	3.33	2,679.0

SDI

SDI Survey Report

Company:	OCCIDENTAL PERMIAN LTD	Local Co-ordinate Reference:	Well Lusk "28" West Federal Com #1H
Project:	Lusk Bone Spring	TVD Reference:	Mean Sea Level (System)
Site:	Lea County, NM (Grid North)	MD Reference:	Mean Sea Level (System)
Well:	Lusk "28" West Federal Com #1H	North Reference:	Grid
Wellbore:	VH - Job #321213-MPH-M-1319	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #321213-MPH-M-1319	Database:	EDM-Regulatory

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (°)	Closure Distance (usft)
11,905.0	91.19	2.35	9,380.1	2,770.4	159.0	3.29	2,774.9
12,000.0	91.19	2.36	9,378.1	2,865.3	162.9	3.25	2,869.9
12,096.0	90.75	1.47	9,376.5	2,961.2	166.2	3.21	2,965.9
12,190.0	90.84	359.89	9,375.1	3,055.2	167.3	3.13	3,059.8
12,284.0	90.84	0.24	9,373.8	3,149.2	167.4	3.04	3,153.6
12,379.0	91.89	0.15	9,371.5	3,244.2	167.7	2.96	3,248.5
12,473.0	91.36	0.33	9,368.8	3,338.1	168.1	2.88	3,342.3
12,567.0	89.60	0.15	9,368.1	3,432.1	168.5	2.81	3,436.2
12,662.0	89.16	0.42	9,369.1	3,527.1	169.0	2.74	3,531.1
12,756.0	88.72	1.03	9,370.8	3,621.1	170.1	2.69	3,625.1
12,850.0	89.34	1.21	9,372.4	3,715.0	172.0	2.65	3,719.0
12,944.0	88.37	1.73	9,374.3	3,809.0	174.4	2.62	3,813.0
13,039.0	88.81	1.73	9,376.6	3,903.9	177.3	2.60	3,907.9
13,133.0	88.46	1.30	9,378.9	3,997.9	179.7	2.57	4,001.9
13,228.0	88.29	2.70	9,381.6	4,092.8	183.1	2.56	4,096.9
Last MWD Survey							
13,366.0	88.29	2.70	9,385.7	4,230.5	189.6	2.57	4,234.8
Projection to Bit							

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
13,228.0	9,381.6	4,092.8	183.1	Last MWD Survey
13,366.0	9,385.7	4,230.5	189.6	Projection to Bit

OXY Permian

Scientific Drilling

T G M

To convert a Magnetic Direction to a Grid Direction, Add 7.08°
To convert a True Direction to a Grid Direction, Subtract 0.30°

True North: -0.30°
Magnetic North: 7.08°

Magnetic Field
Strength: 48576.5snT
Dip Angle: 60.46°
Date: 1/15/2014
Model: IGRF2010

KB @ 3585.80usft
Gr @ 3560.80

L28WFC 1H
Lea County, New Mexico
Northing: 591839.70
Easting: 673445.60
Side Track #1

WELL DETAILS L28WFC 1H
Ground Level: 3560.80

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	591839.70	673445.60	32.626	-103.770

SECTION DETAILS

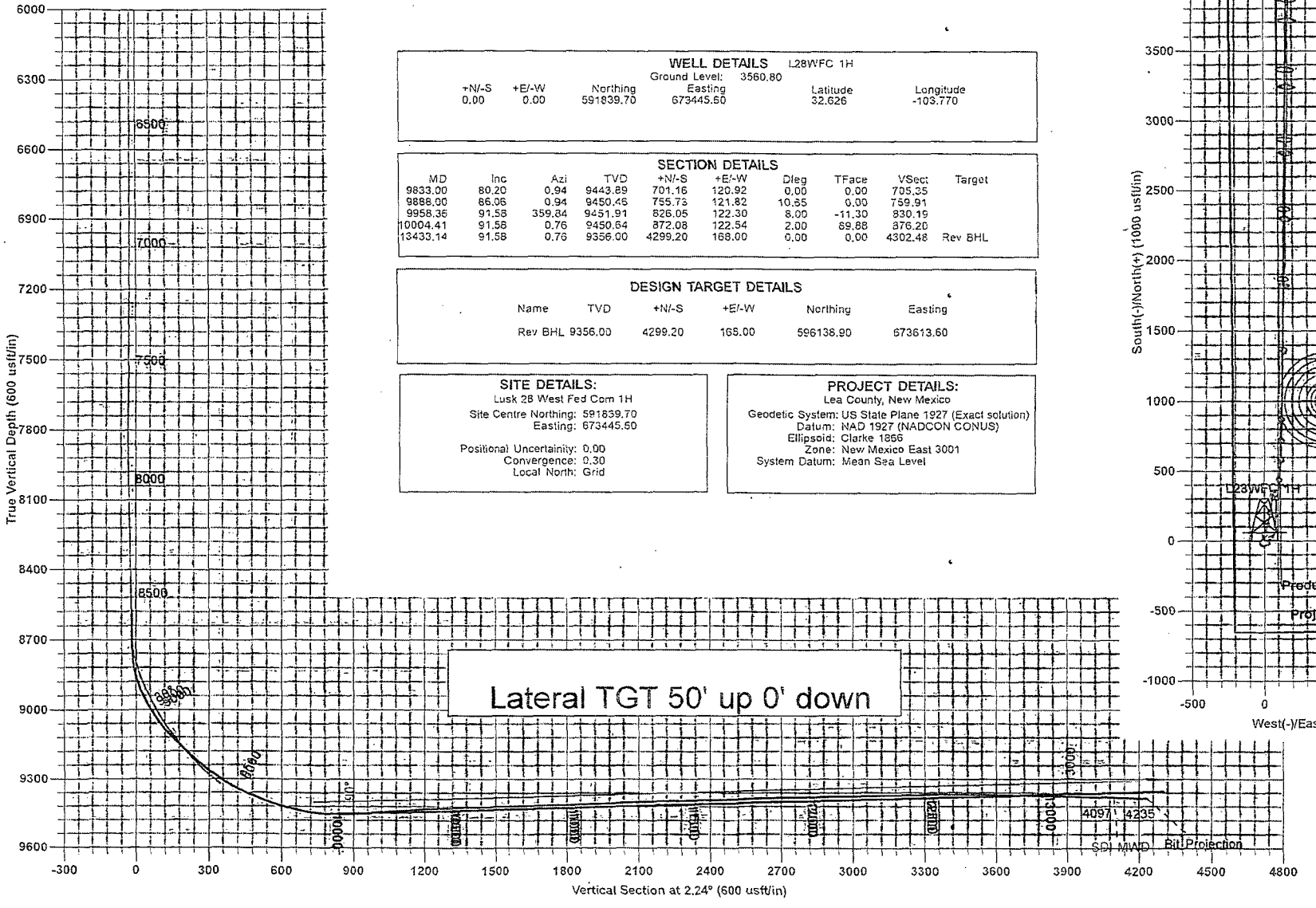
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
9833.00	80.20	0.94	9443.89	701.16	120.92	0.00	0.00	705.35	
9888.00	86.06	0.94	9450.46	755.73	121.82	10.65	0.00	759.91	
9958.36	91.58	359.84	9451.91	826.05	122.30	8.00	-11.30	830.19	
10004.41	91.58	0.76	9450.64	872.08	122.54	2.00	89.88	876.20	
13433.14	91.58	0.76	9356.00	4299.20	168.00	0.00	0.00	4302.48	Rev BHL

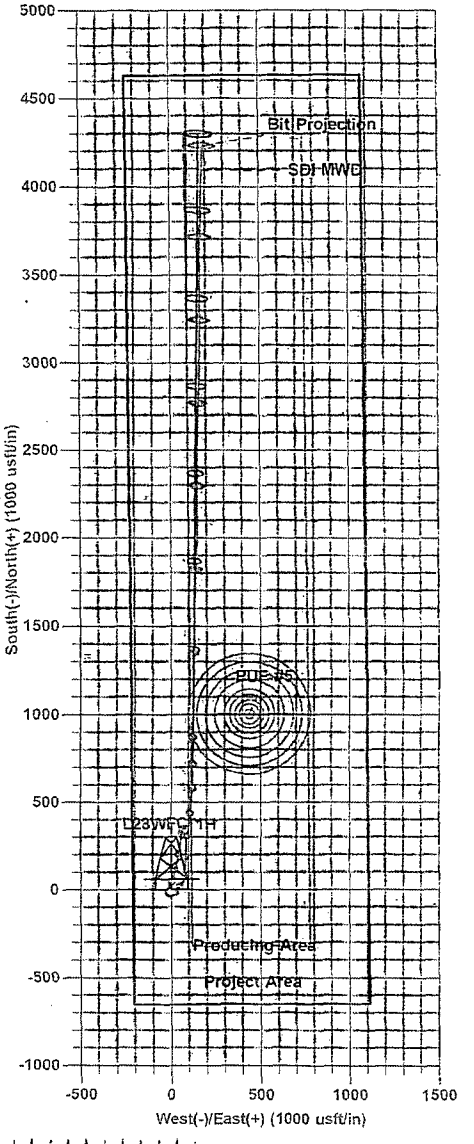
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
Rev BHL	9356.00	4299.20	168.00	596138.90	673613.60

SITE DETAILS:
Lusk 28 West Fed Com 1H
Site Centre Northing: 591839.70
Easting: 673445.60
Positional Uncertainty: 0.00
Convergence: 0.30
Local North: Grid

PROJECT DETAILS:
Lea County, New Mexico
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





Jody Barclay
6:49, January 27 2014

Scientific Drilling
2740 N. Highway 287
Decatur, TX 76234

Oper.: OXY USA, INC

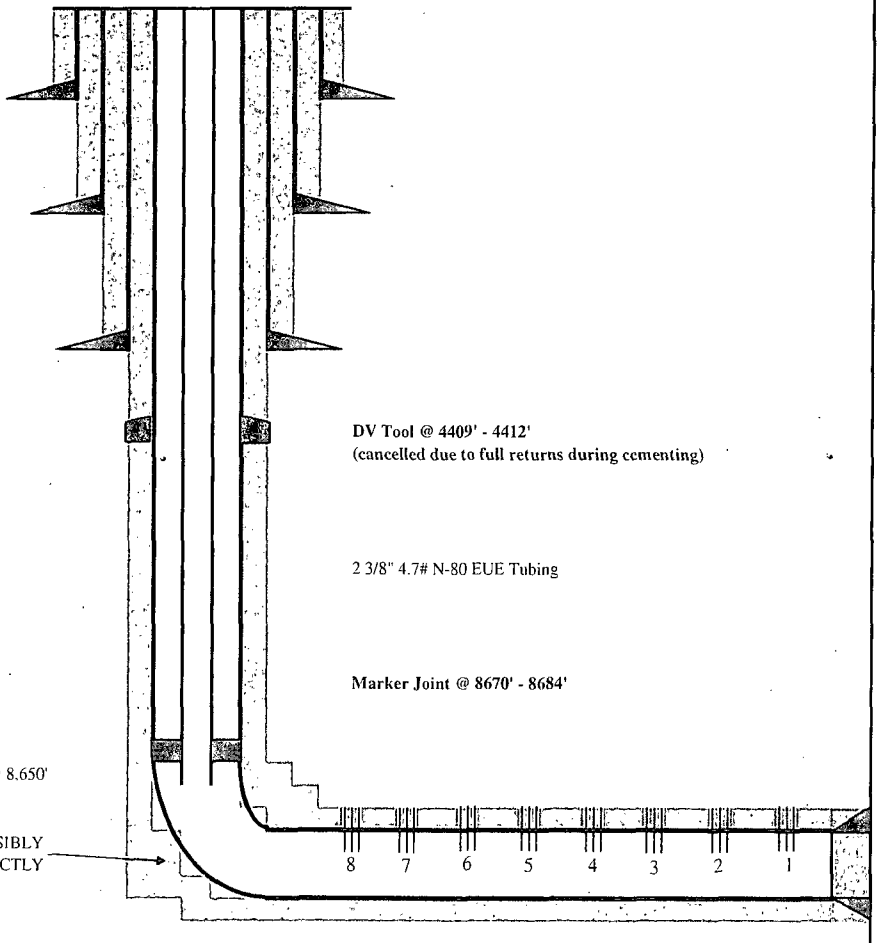
Well: Lusk 28 West FED COM #1H

API # 30-025-41257

Loc: 652' FSL 2425' FEL SEC 28, T19S, R32E

County/State: Lea County, NM

GL: 3560' KB =+25'



Formation Tops	
RUSTLER	861
TANSILL	2512
YATES	2640
7 RIVERS	2963
CHERRY CANYON	4379
SAN ANDRES	4575
DELAWARE	4785
BRUSHY CANYON	5816
BSGL	7332
1BSPG SS	8492
2BSPG Carb	8763
2BSPG SS	9010

TD = 13,366' PBTD = 13,291'

TVD = 9410'

Perforations

9780, 9930, 10080, 10230, 10380, 10530, 10680, 10830, ,10980, 11130, 11280, 11430, 11580, 11730, 11880, 12030, 12180, 12330, 12480, 12630, 12780, 12930, 13080, 13230 (Total 240 holes, 6 spf, 60 deg phase, 0.42" hole diameter)

Fluid 29,106 gals 15# linear gel pre-pad; 248,472 gals 15# crosslinked gel pad; 998508 gals 15# crosslinked gel; 24.000 gals 15% HCl; 115,878 gals treated water

Proppant 198,370 lbs Ottawa 30/50 sand; 1,261,040 lbs Ottawa 20/40 sand; 983,280 lbs Hexion SiberProp 20/40