MEWBOURNE OIL

Cemetery Yeso
Eddy County, NM
Long Draw "4J #1
VH - Job #32K1110927

30-015-37585

Survey: Actual

SDI Standard Survey Report

26 December, 2010

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

Richard Ton

Notorized this date 29th of December, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2011

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	MEWBOURNE OIL	**Local Co-ordinate Reference:**	Well Long Draw "4J #1
Project:	Cemetery Yeso	**TVD Reference:**	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	**MD Reference:**	WELL @ 0.0usft (Original Well Elev)
Well:	Long Draw "4J #1	**North Reference:**	Grid
Wellbore:	VH - Job #32K1110927	**Survey Calculation Method:**	Minimum Curvature
Design:	VH - Job #32K1110927	**Database:**	EDM-Regulatory

Project Cemetery Yeso

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:**	579,246.37 usft	**Latitude:**	32° 35' 32.490 N
From:	Lat/Long	**Easting:**	452,285.36 usft	**Longitude:**	104° 29' 17.730 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	0"	**Grid Convergence:**	-0.08 °

Well Long Draw "4J #1, Directional (DDC)

Well Position	**+N/-S**	0.0 usft	**Northing:**	581,877.85 usft	**Latitude:**	32° 35' 58.540 N
	+E/-W	0.0 usft	**Easting:**	452,953.02 usft	**Longitude:**	104° 29' 9.970 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	0.0 usft

Wellbore VH - Job #32K1110927

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	11/25/2010	8.16	60.39	48,847

Design VH - Job #32K1110927

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	270.83

Survey Program **Date** 12/26/2010

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	1,786.0	Actual (VH - Job #32K1110927)	Keeper	Keeper Gyro

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
100.0	0.25	61.27	100.0	0.1	0.2	61.27	0.2
200.0	0.12	74.15	200.0	0.2	0.5	63.75	0.5
300.0	0.13	196.24	300.0	0.2	0.6	74.04	0.6
400.0	0.63	84.71	400.0	0.1	1.1	84.66	1.1
500.0	0.68	91.41	500.0	0.1	2.2	86.48	2.2
600.0	0.45	82.43	600.0	0.2	3.2	86.90	3.2
700.0	0.60	78.88	700.0	0.3	4.1	85.45	4.1
800.0	0.58	71.62	800.0	0.6	5.1	83.43	5.1
900.0	0.61	86.39	900.0	0.8	6.1	82.72	6.1
1,000.0	0.59	77.28	1,000.0	0.9	7.1	82.60	7.2
1,100.0	0.57	82.63	1,100.0	1.1	8.1	82.27	8.2

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.0	0.37	81.12	1,200.0	1.2	8.9	82.25	9.0
1,300.0	0.40	100.29	1,300.0	1.2	9.6	82.85	9.7
1,400.0	0.33	71.82	1,400.0	1.2	10.2	83.13	10.3
1,500.0	0.10	81.65	1,500.0	1.3	10.6	82.81	10.7
1,600.0	0.17	38.59	1,600.0	1.5	10.8	82.26	10.9
1,700.0	0.25	82.58	1,700.0	1.6	11.1	81.74	11.2
1,786.0	0.27	350.09	1,786.0	1.8	11.2	80.73	11.4