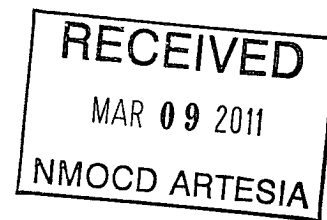


MEWBOURNE OIL

**Cemetery Yeso
Eddy County, NM
Limousine "15EF" Federal #1H
VH - Job #32K1110887**



Survey: Actual

SDI Standard Survey Report

28 November, 2010

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

Kucharto

Notorized this date 8th of December, 2010.

Cassie Reed
Notary Signature
County of Midland
State of Texas



RECEIVED
DEC 10 2010

1990年12月25日

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Limousine "15EF" Federal #1H
Project:	Cemetery Yeso	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Limousine "15EF" Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1110887	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110887	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	Limousine "15EF" Federal #1H, Directional (DDC)					
Well Position	+N/-S	0.0 usft	Northing:	572,600.91 usft	Latitude:	32° 34' 26.800 N
	+E/-W	0.0 usft	Easting:	457,575.83 usft	Longitude:	104° 28' 15.790 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	0.0 usft

Wellbore	VH - Job #32K1110887				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	11/11/2010	8.16	60.37	48,838

Design		VH - Job #32K1110887			
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	271.01

Survey Program		Date	11/28/2010		
From (usft)	To (usft)	Survey (Wellbore)		Tool Name	Description
100.0	2,074.3	Actual (VH - Job #32K1110887)		Keeper	Keeper Gyro

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	
100.0	0.29	214.79	100.0	-0.2	-0.1	214.79	0.3	
200.0	0.21	194.57	200.0	-0.6	-0.3	209.45	0.7	
300.0	0.18	228.76	300.0	-0.9	-0.5	209.73	1.0	
400.0	0.22	211.71	400.0	-1.1	-0.7	212.19	1.3	
500.0	0.24	229.18	500.0	-1.4	-1.0	214.15	1.7	
600.0	0.20	264.61	600.0	-1.6	-1.3	219.40	2.1	
700.0	0.35	312.88	700.0	-1.4	-1.7	230.59	2.2	
800.0	0.95	306.58	800.0	-0.7	-2.6	254.89	2.7	
900.0	0.89	299.02	900.0	0.2	-3.9	272.47	3.9	
1,000.0	1.03	296.67	1,000.0	0.9	-5.4	279.93	5.5	
1,100.0	1.18	295.00	1,099.9	1.8	-7.2	284.02	7.4	

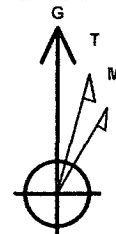
Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Limousine "15EF" Federal #1H
Project:	Cemetery Yeso	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Limousine "15EF" Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1110887	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1110887	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	0.88	308.81	1,199.9	2.7	-8.7	287.29	9.1
1,300.0	0.81	302.47	1,299.9	3.6	-9.9	289.83	10.5
1,400.0	1.00	304.16	1,399.9	4.4	-11.2	291.59	12.1
1,500.0	0.90	310.88	1,499.9	5.4	-12.5	293.48	13.7
1,600.0	1.09	327.23	1,599.9	6.8	-13.6	296.36	15.2
1,700.0	1.24	331.33	1,699.9	8.5	-14.7	300.11	17.0
1,800.0	1.79	334.16	1,799.8	10.9	-15.9	304.39	19.2
1,900.0	1.50	335.81	1,899.8	13.5	-17.1	308.23	21.7
2,000.0	0.89	324.57	1,999.8	15.3	-18.1	310.23	23.7
2,074.3	0.70	343.38	2,074.1	16.2	-18.5	311.14	24.6



Project: Cemetery Yeso
Eddy County, NM
Well: Limousine "15EF" Federal #1H
Wellbore: VH - Job #32K1110887
Design: VH - Job #32K1110887



Azimuths to Grid North
True North: 0.07°
Magnetic North: 8.23°

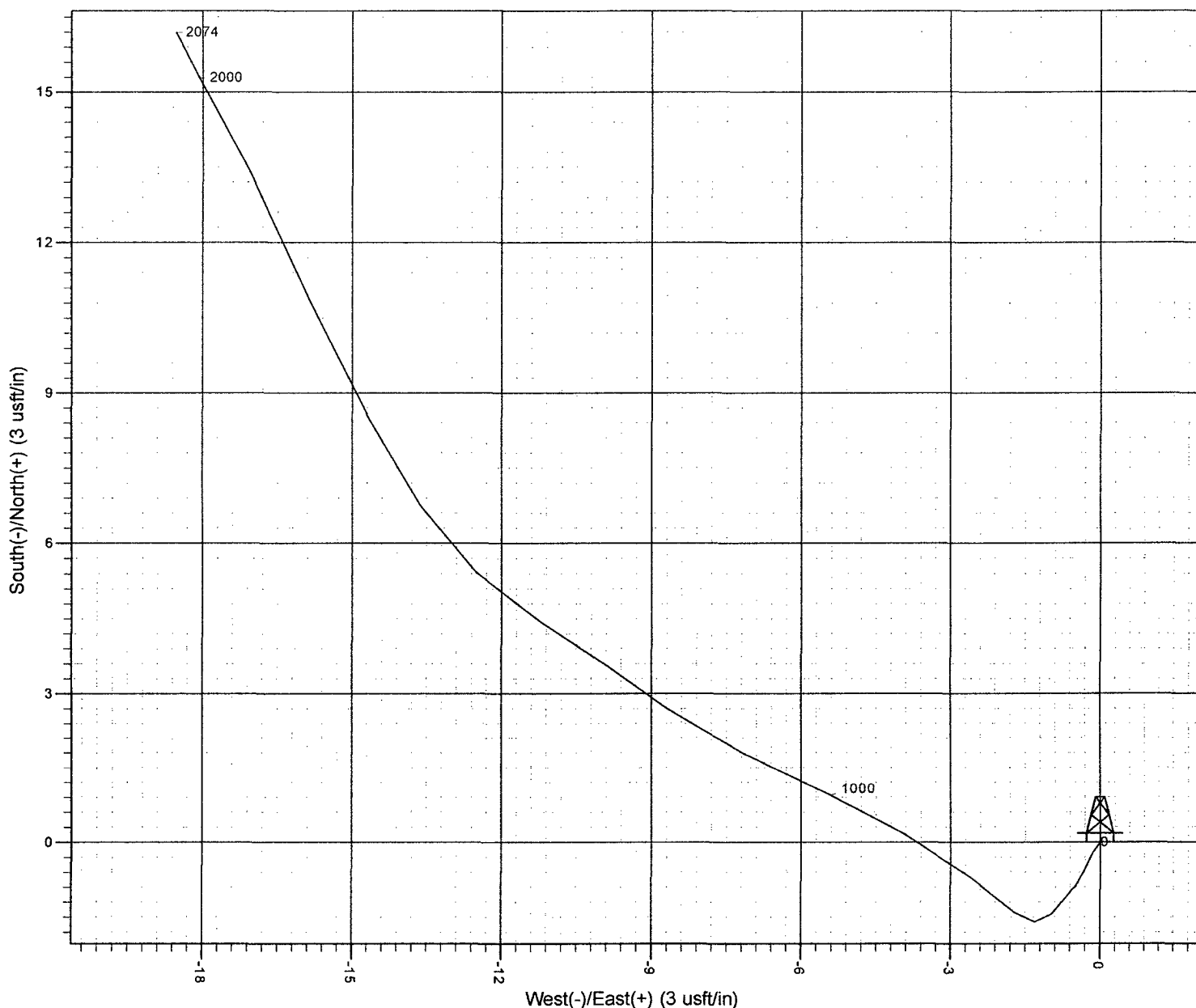
Magnetic Field
Strength: 48837.9snT
Dip Angle: 60.37°
Date: 11/11/2010
Model: BGGM2010

WELL DETAILS: Limousine "15EF" Federal #1H

WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	572600.91	457575.83	32° 34' 26.800 N	104° 28' 15.790 W	



PROJECT DETAILS: Cemetery Yeso
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° 35' 32.490 N
Longitude: 104° 29' 17.730 W
Positional Uncertainty: 0.0
Convergence: -0.08
Local North: Grid