

MEWBOURNE OIL

Cemetery Yeso
Eddy County, NM
Quick Draw 10 HA #1H
VH - Job #32K0211153

30-015-38403

Survey: Actual

SDI Standard Survey Report

24 February, 2011

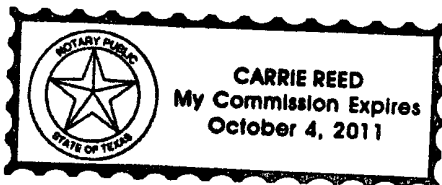
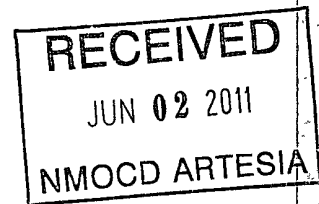
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

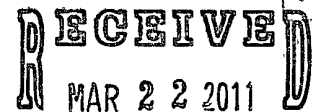
Notarized this date 21st of March, 2011.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling
Directional Drilling Operations



BY:

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Quick Draw 10 HA #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:	Quick Draw 10 HA #1H	North Reference:	Grid
Wellbore:	VH - Job #32K0211153	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0211153	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
From:	Lat/Long	Easting:	452,285.36 usft
Position Uncertainty:	0.0 usft	Slot Radius:	0"
		Latitude:	32° 35' 32.490 N
		Longitude:	104° 29' 17.730 W
		Grid Convergence:	-0.08 °

Well	Quick Draw 10 HA #1H, Directional (DDC)		
Well Position	+N/-S	0.0 usft	Northing: 577,287.41 usft
	+E/-W	0.0 usft	Easting: 459,446.18 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 35' 13.200 N
		Longitude:	104° 27' 54.000 W
		Ground Level:	0.0 usft

Wellbore	VH - Job #32K0211153				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	2/22/2011	8 12	60 38	48,816

Design	VH - Job #32K0211153				
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	0.48	

Survey Program	Date	2/24/2011			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	1,900.0	Actual (VH - Job #32K0211153)	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	0.14	236.61	100.0	-0.1	-0.1	236.61	0.1	
200.0	0.30	259.21	200.0	-0.2	-0.5	248.30	0.5	
300.0	0.29	315.88	300.0	-0.1	-0.9	266.75	0.9	
400.0	0.51	307.38	400.0	0.4	-1.4	285.73	1.5	
500.0	0.60	290.69	500.0	0.9	-2.3	290.68	2.4	
600.0	0.67	278.73	600.0	1.1	-3.3	288.71	3.5	
700.0	0.50	304.02	700.0	1.5	-4.3	288.89	4.5	
800.0	0.38	295.08	800.0	1.8	-4.9	290.52	5.3	
900.0	0.34	247.65	900.0	1.9	-5.5	288.79	5.8	
1,000.0	0.48	143.05	1,000.0	1.4	-5.5	284.46	5.7	
1,100.0	1.43	137.37	1,100.0	0.2	-4.4	272.26	4.4	

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Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Quick Draw 10 HA #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:	Quick Draw 10 HA #1H	North Reference:	Grid
Wellbore:	VH - Job #32K0211153	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0211153	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	1.38	136.48	1,199.9	-1.6	-2.8	239.67	3.2
1,300.0	1.47	134.53	1,299.9	-3.4	-1.0	196.75	3.5
1,400.0	1.19	126.65	1,399.9	-4.9	0.7	171.57	5.0
1,500.0	1.35	117.78	1,499.8	-6.1	2.6	156.81	6.6
1,600.0	1.11	103.59	1,599.8	-6.9	4.6	146.21	8.2
1,700.0	1.05	106.49	1,699.8	-7.3	6.4	138.89	9.7
1,800.0	0.84	83.24	1,799.8	-7.5	8.0	133.16	11.0
1,900.0	0.64	66.46	1,899.8	-7.2	9.3	127.91	11.7



Project: Cemetery Yeso
Eddy County, NM
Well: Quick Draw 10 HA #1H
Wellbore: VH - Job #32K0211153
Design: VH - Job #32K0211153



Azimuths to Grd North
True North: 0.07°
Magnetic North: 8.19°

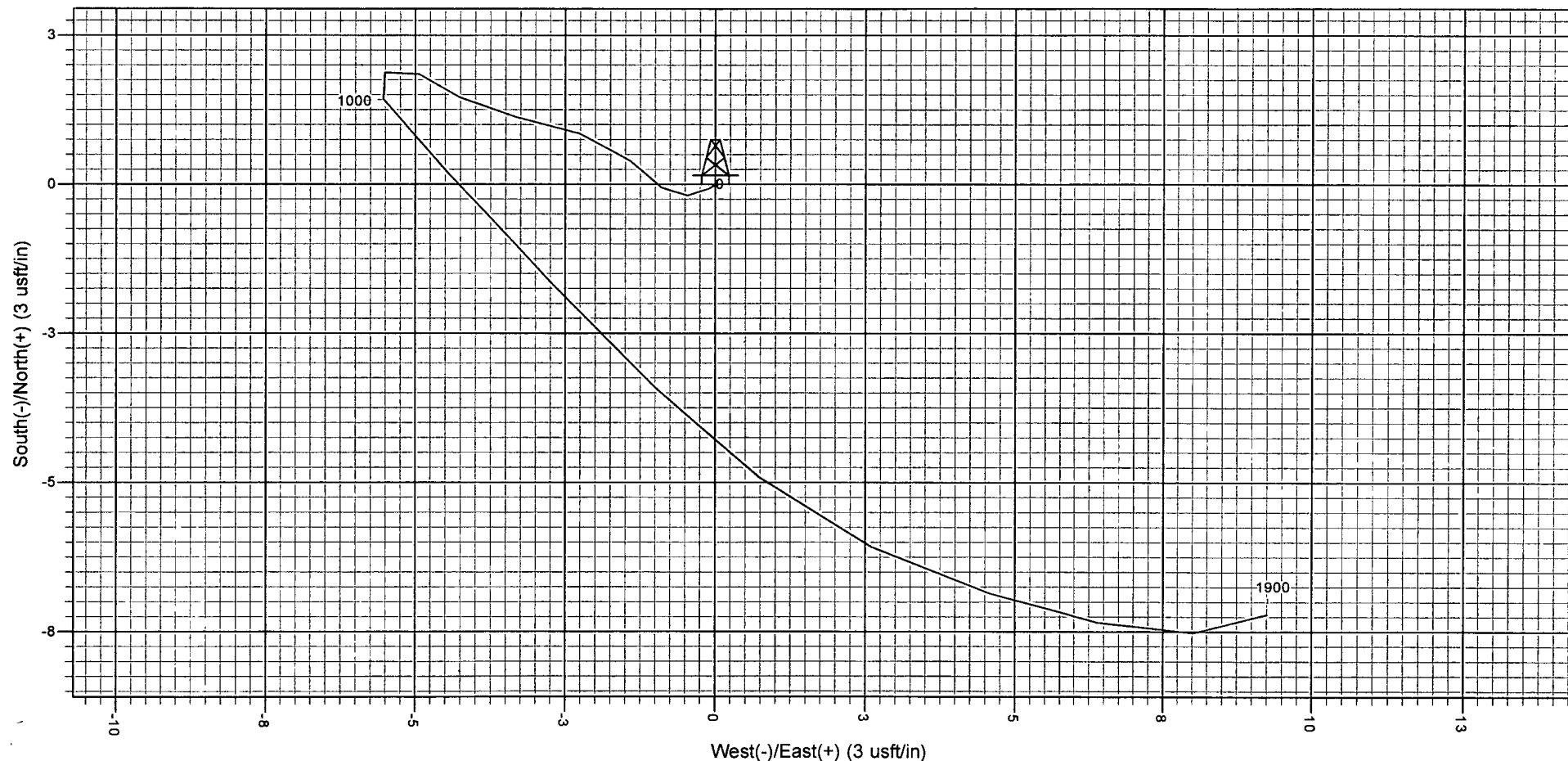
Magnetic Field
Strength: 48815 9snT
Dip Angle: 60.38°
Date: 2/22/2011
Model: BGGM2010

WELL DETAILS: Quick Draw 10 HA #1H

WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	577287.41	459446.18	32° 35' 13.200 N	104° 27' 54.000 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