

30-015-38301

MEWBOURNE OIL

Undesignated Yeso

Eddy County, NM

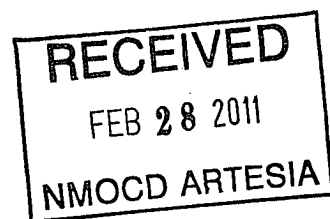
Pine Box "21" CN Federal Com #1H

VH - Job #32K1210975

Survey: Actual

SDI Standard Survey Report

21 December, 2010



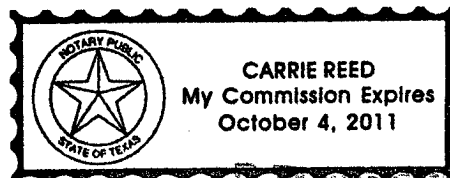
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notorized this date 31st of December, 2010.

[Signature: Carrie Reed]

Notary Signature
County of Midland
State of Texas



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BY: _____

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Pine Box "21" CN Federal Com #1H
Project:	Undesignated Yeso	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Pine Box "21" CN Federal Com #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1210975	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1210975	Database:	EDM-Regulatory

Project	Undesignated 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:	598,745.44 usft	Latitude: 32° 38' 45.600 N
From:	Lat/Long	Easting:	464,397.60 usft	Longitude: 104° 26' 56.400 W
Position Uncertainty:	0.0 usft	Slot Radius:	0"	Grid Convergence: -0.06 °

Well	Pine Box "21" CN Federal Com #1H, Directional (DDC)			
Well Position	+N/-S	0.0 usft	Northing: 569,534.13 usft	Latitude: 32° 33' 56.370 N
	+E/-W	0.0 usft	Easting: 451,611.42 usft	Longitude: 104° 29' 25.440 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level: 0.0 usft

Wellbore	VH - Job #32K1210975				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	12/11/2010	8.16	60.36	48,821

Design	VH - Job #32K1210975			
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	180.00

Survey Program	Date 12/21/2010			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	1,945.2	Actual (VH - Job #32K1210975)	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	0.64	343.73	100.0	0.5	-0.2	343.73	0.6
200.0	0.64	13.18	200.0	1.6	-0.2	353.45	1.6
300.0	0.79	16.91	300.0	2.8	0.1	2.89	2.8
400.0	0.57	19.41	400.0	3.9	0.5	7.33	4.0
500.0	0.41	14.78	500.0	4.8	0.8	9.12	4.8
600.0	0.38	2.39	600.0	5.4	0.9	9.08	5.5
700.0	0.42	329.97	700.0	6.1	0.7	6.56	6.1
800.0	0.38	340.92	800.0	6.7	0.4	3.48	6.7
900.0	0.18	298.39	900.0	7.1	0.2	1.30	7.1
1,000.0	0.39	163.78	1,000.0	6.9	0.1	0.99	6.9
1,100.0	0.92	178.64	1,100.0	5.7	0.2	2.33	5.7

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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	1.73	178.95	1,199.9	3.4	0.3	4.68	3.4
1,300.0	1.75	186.10	1,299.9	0.4	0.1	20.52	0.4
1,400.0	1.27	209.50	1,399.8	-2.1	-0.6	195.04	2.2
1,500.0	1.41	209.51	1,499.8	-4.1	-1.7	202.54	4.5
1,600.0	1.23	194.18	1,599.8	-6.2	-2.6	202.49	6.8
1,700.0	0.86	192.76	1,699.8	-8.0	-3.0	200.60	8.6
1,800.0	1.04	189.95	1,799.8	-9.6	-3.3	199.08	10.2
1,900.0	0.69	169.31	1,899.8	-11.1	-3.4	196.90	11.6
1,945.2	0.63	189.72	1,944.9	-11.6	-3.4	196.16	12.1