

30-015-38009

MEWBOURNE OIL

Undesignated Yeso

Eddy County, NM

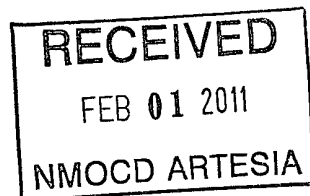
Wyatt Draw North "18/19 LD" #1H

VH - Job #32K1010773

Survey: Actual

SDI Standard Survey Report

31 October, 2010



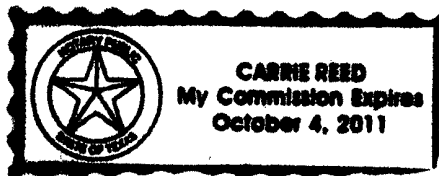
This survey is correct to the best of my knowledge and is supported by actual field data.

Richardson

Notorized this date 2nd of November, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBORNE OIL	Local Co-ordinate Reference:	Well Wyatt Draw North "18/19 LD" #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:	Wyatt Draw North "18/19 LD" #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1010773	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1010773	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
From:	Lat/Long	Easting:	464,397.60 usft
Position Uncertainty:	0.0 usft	Slot Radius:	0"
		Latitude:	32° 38' 45.600 N
		Longitude:	104° 26' 56.400 W
		Grid Convergence:	-0.06 °

Well	Wyatt Draw North "18/19 LD" #1H, Directional (Unknown)		
Well Position	+N/-S	0.0 usft	Northing: 603,827.10 usft
	+E/-W	0.0 usft	Easting: 470,871.96 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 39' 35.950 N
		Longitude:	104° 25' 40.730 W
		Ground Level:	0.0 usft

Wellbore	VH - Job #32K1010773				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	10/11/2010	8.16	60.46	48,905

Design	VH - Job #32K1010773			
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	180.14

Survey Program	Date	10/31/2010		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	2,079.0	Actual (VH - Job #32K1010773)	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	0.71	188.72	100.0	-0.6	-0.1	188.72	0.6
200.0	0.95	199.30	200.0	-2.0	-0.5	192.96	2.1
300.0	1.07	194.67	300.0	-3.7	-1.0	194.75	3.8
400.0	0.61	206.75	400.0	-5.1	-1.4	195.94	5.3
500.0	0.41	236.14	500.0	-5.7	-2.0	199.06	6.1
600.0	0.95	269.12	599.9	-6.0	-3.1	207.57	6.7
700.0	1.19	270.73	699.9	-6.0	-5.0	219.88	7.8
800.0	1.28	271.07	799.9	-5.9	-7.1	230.29	9.3
900.0	1.30	269.65	899.9	-5.9	-9.4	237.80	11.1
1,000.0	1.25	270.44	999.9	-5.9	-11.6	243.03	13.0
1,100.0	1.52	268.38	1,099.8	-5.9	-14.0	247.06	15.2

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Wyatt Draw North "18/19 LD" #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:	Wyatt Draw North "18/19 LD" #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1010773	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1010773	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	1.30	280.96	1,199.8	-5.8	-16.5	250.72	17.4
1,300.0	1.34	268.73	1,299.8	-5.6	-18.7	253.45	19.6
1,400.0	1.42	276.85	1,399.7	-5.4	-21.1	255.55	21.8
1,500.0	1.28	267.14	1,499.7	-5.4	-23.5	257.16	24.1
1,600.0	1.37	276.67	1,599.7	-5.3	-25.8	258.45	26.3
1,700.0	1.13	268.56	1,699.7	-5.2	-28.0	259.55	28.4
1,800.0	1.22	277.67	1,799.6	-5.0	-30.0	260.46	30.4
1,900.0	0.94	273.87	1,899.6	-4.8	-31.9	261.36	32.2
2,000.0	0.97	268.17	1,999.6	-4.8	-33.5	261.83	33.9
2,079.0	1.04	271.70	2,078.6	-4.8	-34.9	262.15	35.3



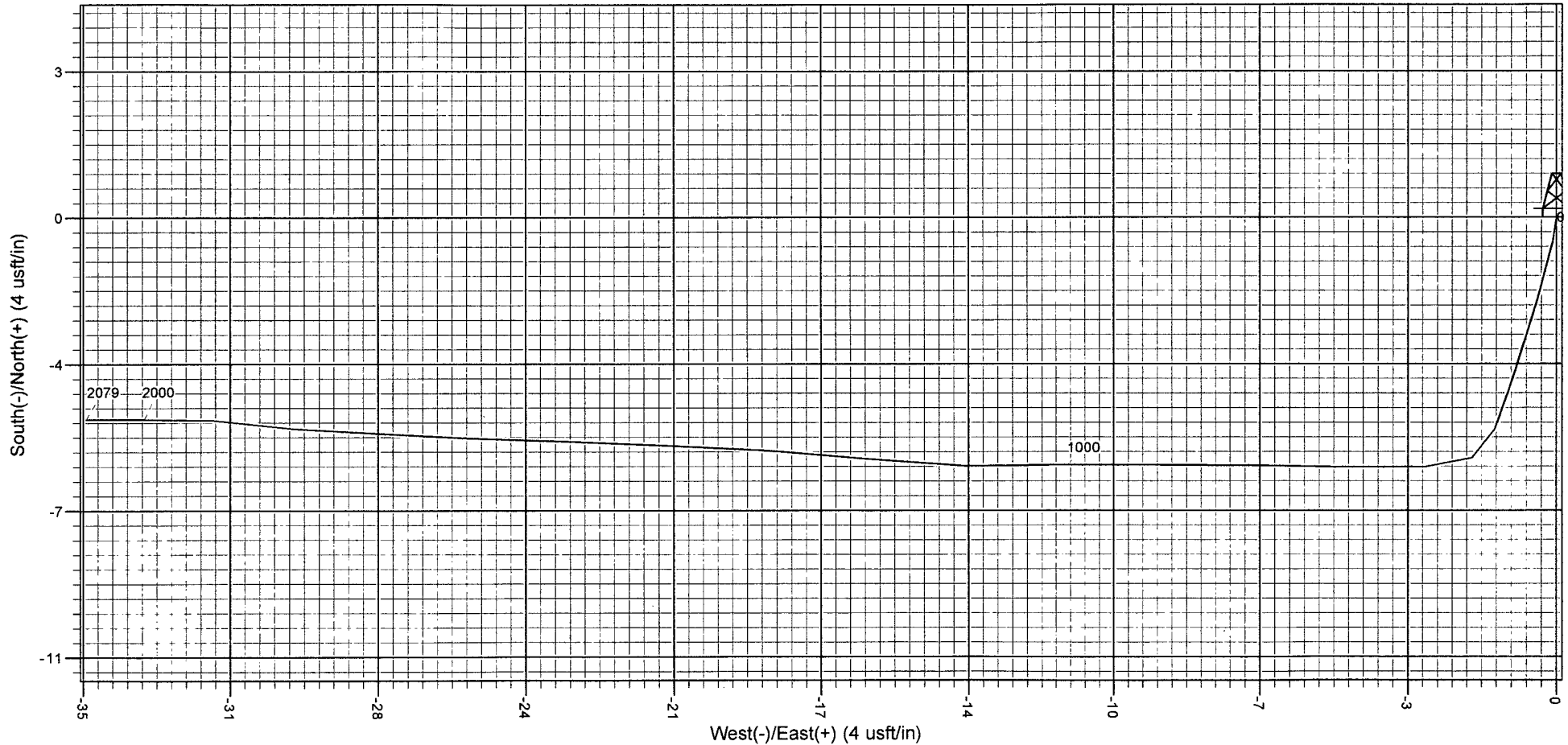
Project: Undesignated Yeso
Eddy County, NM
Well: Wyatt Draw North "18/19 LD" #1H
Wellbore: VH - Job #32K1010773
Design: VH - Job #32K1010773



Azimuths to Grid North
True North: 0.05°
Magnetic North: 8.21°
Magnetic Field
Strength: 48905.0snT
Dip Angle: 60.46°
Date: 10/11/2010
Model: BGGM2010

WELL DETAILS: Wyatt Draw North "18/19 LD" #1H
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	603827.10	470871.96	32° 39' 35.950 N	104° 25' 40.730 W	



PROJECT DETAILS: Undesignated 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° 38' 45.600 N
Longitude: 104° 26' 56.400 W
Positional Uncertainty: 0.0
Convergence: -0.06
Local North: Grid