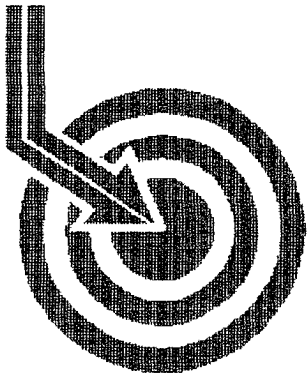




Scientific Drilling

MEWBOURNE OIL

Field: Undesignated Yeso
Site: Eddy County, NM
Well: Long Draw 10 D Federal #1
Wellpath: VH - Job #32K0909369
Survey: 09/18/09

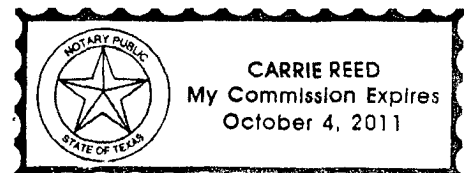
30015-37251

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

.....Carrie Reed..... Company Representative

Notorized this date 22nd of September, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: MEWBOURNE OIL
Field: Undesignated Yeso
Site: Eddy County, NM
Well: Long Draw 10 D Federal #1
Wellpath: VH - Job #32K0909369

Date: 09/21/2009
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,278.36Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Time: 16:56:44
Page: 1

Survey: 09/18/09
Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Start Date: 09/18/2009
Engineer: Melendez w/Enertech
Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.50	287.86	100.00	0.43	0.13	-0.42	0.50	0.44	287.86
200.00	0.57	238.75	199.99	1.24	0.01	-1.26	0.45	1.26	270.44
300.00	1.41	283.39	299.98	2.85	0.04	-2.88	1.08	2.88	270.73
400.00	1.87	286.65	399.94	5.69	0.79	-5.64	0.47	5.69	277.97
500.00	1.98	292.61	499.88	8.98	1.92	-8.80	0.23	9.00	282.32
600.00	1.97	294.22	599.82	12.31	3.29	-11.96	0.06	12.40	285.38
700.00	1.90	293.46	699.77	15.56	4.65	-15.05	0.07	15.75	287.19
800.00	1.80	294.03	799.71	18.68	5.95	-18.00	0.10	18.96	288.30
900.00	1.74	294.37	899.67	21.65	7.22	-20.82	0.06	22.04	289.13
1000.00	1.58	291.24	999.62	24.45	8.35	-23.49	0.18	24.93	289.56
1100.00	1.52	289.76	1099.59	27.10	9.29	-26.02	0.07	27.63	289.66
1200.00	1.44	285.08	1199.55	29.64	10.07	-28.48	0.14	30.21	289.47
1300.00	1.38	289.55	1299.52	32.07	10.80	-30.83	0.13	32.67	289.30
1400.00	1.33	285.39	1399.50	34.41	11.51	-33.08	0.11	35.03	289.18
1500.00	1.24	284.61	1499.47	36.63	12.09	-35.25	0.09	37.27	288.93
1600.00	1.01	286.91	1599.45	38.58	12.62	-37.14	0.23	39.23	288.77
1700.00	1.11	291.37	1699.43	40.40	13.23	-38.88	0.13	41.07	288.79
1800.00	0.87	287.09	1799.42	42.09	13.81	-40.51	0.25	42.80	288.82
1900.00	0.91	284.82	1899.41	43.63	14.23	-42.01	0.05	44.35	288.72
2000.00	0.63	274.01	1999.40	44.97	14.47	-43.32	0.31	45.68	288.47
2100.00	0.55	263.25	2099.39	45.98	14.46	-44.35	0.14	46.64	288.05
2200.00	0.24	220.79	2199.39	46.55	14.24	-44.96	0.41	47.16	287.57
2300.00	0.43	214.23	2299.39	46.83	13.77	-45.31	0.19	47.36	286.91
2400.00	0.63	208.96	2399.38	47.19	12.98	-45.79	0.21	47.59	285.83
2500.00	0.70	200.81	2499.38	47.51	11.93	-46.27	0.12	47.78	284.46
2600.00	0.75	194.21	2599.37	47.71	10.72	-46.65	0.10	47.86	282.95
2700.00	0.47	205.97	2699.36	47.90	9.72	-46.99	0.31	47.98	281.69
2800.00	0.40	230.36	2799.36	48.26	9.13	-47.44	0.20	48.31	280.89
2900.00	0.50	226.72	2899.36	48.76	8.61	-48.02	0.10	48.79	280.16
3000.00	0.62	199.58	2999.35	49.14	7.80	-48.52	0.29	49.14	279.13
3098.00	0.29	244.62	3097.35	49.45	7.19	-48.92	0.47	49.45	278.36



Scientific
Drilling

Field: Undesignated Yeso
Site: Eddy County, NM
Well: Long Draw 10 D Federal #1
Wellpath: VH - Job #32K0909369
Survey: 09/18/09

G/T/M



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 09/21/2009
Model: igrf200510

