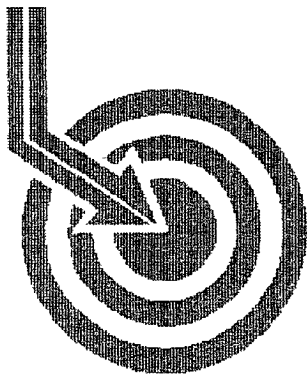




Scientific Drilling

MEWBOURNE OIL

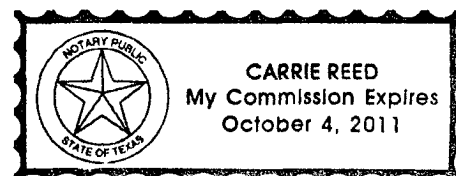
Field: Undesignated Yeso
Site: Eddy County, NM
Well: Long Draw 10 D Federal #1
Wellpath: VH - Job #32K0909369
Survey: 09/18/09

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

.....*Robert Hartman*..... 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	Date: 09/21/2009	Time: 16:56:44	Page: 1
Field: Undesignated Yeso	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Long Draw 10 D Federal #1	Section (VS) Reference:	Well: (0.00N,0.00E,278.36Azi)	
Wellpath: VH - Job #32K0909369	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/18/09	Start Date: 09/18/2009
Company: KSRG 0'-3098'	
Tool: Scientific Drilling Internatio	Engineer: Melendez w/Enertech
Tool: Keeper;Keeper Gyro	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

