

30-015-34967

S C I E N T I F I C D R I L L I N G C O N T R O L S

KEEPER GYRO SURVEY

Directional Survey Report

for

MEWBOURNE OIL

Well Number	:	WOOD DRAW 35 FED NO.1
Well Location	:	EDDY COUNTY, NEW MEXICO
Job Number	:	32K0706621
Location Latitude	:	32.168
Survey Date	:	31-JUL-2006
S.D.C. Personnel	:	ANGEL GUEBARA
Length Units	:	Feet
North Reference	:	TRUE North
Grid Correction	:	0.00 Degrees
Survey Depth Zero	:	RKB
Proposal Direction	:	
Calculation Method	:	Minimum Curvature

Remarks : The INRUN Survey will be called definitive

S C I E N T I F I C D R I L L I N G C O N T R O L S

Inrun Survey
for
MEWBOURNE OIL

Page 1

Well No.: WOOD DRAW 35 FED NO.1

Date : 31-JUL-2006

Job No. : 32K0706621

Proposal : 0.00

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	TRUE Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	100.00	-0.10	0.22	240.39	-0.10	-0.17	0.22
200.00	200.00	-0.30	0.17	223.20	-0.30	-0.43	0.08
300.00	300.00	-0.24	0.21	25.86	-0.24	-0.46	0.38
400.00	400.00	0.37	0.65	38.46	0.37	-0.02	0.45
500.00	499.99	1.08	0.33	23.50	1.08	0.44	0.34
600.00	599.99	1.93	0.68	8.72	1.93	0.65	0.37
700.00	699.98	3.23	0.83	8.15	3.23	0.84	0.15
800.00	799.97	4.54	0.69	12.04	4.54	1.07	0.15
900.00	899.96	5.67	0.63	10.21	5.67	1.29	0.06
1000.00	999.96	6.62	0.48	12.06	6.62	1.48	0.15
1100.00	1099.95	7.46	0.50	8.05	7.46	1.63	0.04
1200.00	1199.95	8.21	0.37	358.20	8.21	1.68	0.15
1300.00	1299.95	8.99	0.52	1.92	8.99	1.68	0.15
1400.00	1399.94	9.88	0.54	336.63	9.88	1.51	0.23
1500.00	1499.94	10.90	0.83	324.68	10.90	0.90	0.32
1600.00	1599.92	12.20	1.02	322.42	12.20	-0.06	0.19
1700.00	1699.91	13.66	1.06	325.19	13.66	-1.13	0.06
1800.00	1799.89	14.95	0.95	309.94	14.95	-2.29	0.29
1900.00	1899.87	16.39	1.21	328.57	16.39	-3.48	0.43
2000.00	1999.85	18.20	1.20	330.19	18.20	-4.55	0.04
2100.00	2099.83	19.92	1.10	328.39	19.92	-5.57	0.11
2200.00	2199.81	21.64	1.12	338.13	21.64	-6.44	0.19
2300.00	2299.80	23.27	0.94	330.82	23.27	-7.20	0.22
2400.00	2399.78	24.75	0.98	333.95	24.75	-7.98	0.07
2500.00	2499.78	25.75	0.27	345.71	25.75	-8.41	0.72
2600.00	2599.77	25.88	0.12	157.68	25.88	-8.43	0.39
2700.00	2699.77	25.64	0.26	127.66	25.64	-8.21	0.17
2800.00	2799.77	25.51	0.06	272.94	25.51	-8.09	0.31
2900.00	2899.77	25.39	0.18	221.43	25.39	-8.24	0.15
3000.00	2999.77	24.91	0.47	205.78	24.91	-8.52	0.30
3100.00	3099.76	23.82	0.84	170.52	23.82	-8.58	0.53
3200.00	3199.75	23.61	1.76	70.19	23.61	-7.01	2.08
3300.00	3299.57	26.84	4.82	49.83	26.84	-2.36	3.23
3400.00	3399.28	31.81	3.88	48.14	31.81	3.37	0.95
3500.00	3499.11	35.73	2.91	49.20	35.73	7.81	0.97
3600.00	3598.99	38.80	2.54	50.39	38.80	11.44	0.37
3700.00	3698.91	41.44	2.15	49.22	41.44	14.57	0.39
3800.00	3798.86	43.40	1.44	54.35	43.40	17.01	0.73
3900.00	3898.84	44.59	1.02	58.43	44.59	18.79	0.43

S C I E N T I F I C D R I L L I N G C O N T R O L S

Inrun Survey
for

Page 2

MEWBOURNE OIL

Well No.: WOOD DRAW 35 FED NO.1

Date : 31-JUL-2006

Job No. : 32K0706621

TRUE

Proposal : 0.00

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
-------------------	--------------------	------------------	-------------	-----------------	----------------------	-----------------------	---------------

4000.00	3998.82	45.56	0.82	46.05	45.56	20.06	0.28
4100.00	4098.82	46.28	0.31	31.89	46.28	20.72	0.52
4200.00	4198.81	46.68	0.20	342.24	46.68	20.81	0.24
4300.00	4298.81	46.81	0.04	213.95	46.81	20.74	0.23
4400.00	4398.81	46.99	0.23	356.92	46.99	20.71	0.26

4500.00	4498.81	47.09	0.22	240.58	47.09	20.53	0.38
4600.00	4598.81	46.84	0.49	248.06	46.84	19.97	0.27
4700.00	4698.81	46.57	0.52	256.16	46.57	19.13	0.08
4800.00	4798.80	46.23	0.72	248.27	46.23	18.11	0.22
4900.00	4898.80	45.92	0.48	259.85	45.92	17.11	0.27

5000.00	4998.79	45.83	0.42	267.37	45.83	16.33	0.08
5100.00	5098.79	45.68	0.47	251.27	45.68	15.58	0.13
5200.00	5198.78	45.23	0.63	234.40	45.23	14.74	0.23
5300.00	5298.78	44.72	0.68	250.60	44.72	13.73	0.19
5400.00	5398.77	44.70	0.86	284.15	44.70	12.45	0.48

5500.00	5498.76	44.78	0.86	261.93	44.78	10.97	0.33
---------	---------	-------	------	--------	-------	-------	------

The Horizontal Displacement (in Feet) at
Measured Depth 5500.00 is 46.10 in a Direction of 13.77 Degrees