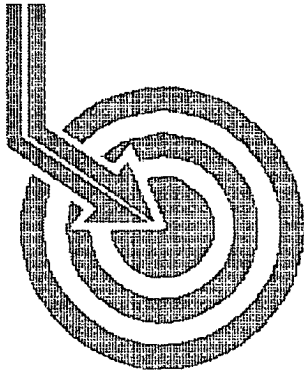




Scientific Drilling

E.O.G.

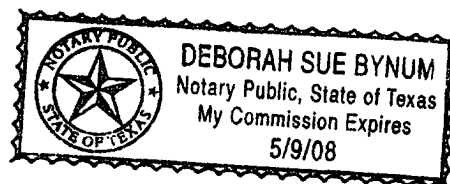
Field: Mac
Site: Eddy County, NM
Well: Mac 13 Fee #2H
Wellpath: VH - Job #32K1005774
Survey: 10/26/05

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

.....*Deborah Bynum*.....Company Representative

Notorized this date 26th of October, 2005.

Deborah Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: E.O.G.	Date: 10/26/2005	Time: 16:19:17	Page: 1
Field: Mac	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Mac 13 Fee #2H	Section (VS) Reference:	Well (0.00N,0.00E,0.23Azi)	
Wellpath: VH - Job #32K1005774	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 10/26/05 KSRG 0'-4892'	Start Date: 10/26/2005
Company: Scientific Drilling Internatio	Engineer: Carter/Lilja w/Gray
Tool: Keeper, Keeper Surface Readout Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.58	105.37	100.00	-0.13	-0.13	0.49	0.58	0.51	105.37
200.00	0.44	176.98	200.00	-0.65	-0.65	1.00	0.61	1.19	123.19
300.00	0.02	287.86	299.99	-1.03	-1.03	1.00	0.45	1.44	135.84
400.00	0.17	265.48	399.99	-1.03	-1.04	0.84	0.15	1.33	141.12
500.00	0.54	283.43	499.99	-0.94	-0.94	0.23	0.38	0.97	166.28
600.00	0.51	246.63	599.99	-1.01	-1.01	-0.64	0.33	1.19	212.38
700.00	0.43	217.92	699.98	-1.48	-1.48	-1.28	0.25	1.95	220.82
800.00	0.51	200.75	799.98	-2.20	-2.19	-1.67	0.16	2.75	217.24
900.00	0.57	201.46	899.98	-3.08	-3.07	-2.00	0.06	3.67	213.15
1000.00	0.64	232.81	999.97	-3.88	-3.87	-2.63	0.33	4.68	214.22
1100.00	0.60	229.55	1099.97	-4.56	-4.55	-3.48	0.05	5.72	217.39
1200.00	0.63	240.41	1199.96	-5.18	-5.16	-4.35	0.12	6.75	220.15
1300.00	0.70	244.19	1299.95	-5.72	-5.70	-5.38	0.08	7.83	223.36
1400.00	0.81	240.99	1399.94	-6.33	-6.30	-6.55	0.12	9.09	226.08
1500.00	0.85	236.65	1499.93	-7.09	-7.06	-7.79	0.07	10.51	227.82
1600.00	0.90	242.39	1599.92	-7.86	-7.83	-9.10	0.10	12.00	229.30
1700.00	0.80	238.08	1699.91	-8.60	-8.56	-10.39	0.12	13.46	230.51
1800.00	0.83	241.16	1799.90	-9.32	-9.28	-11.62	0.05	14.87	231.38
1900.00	0.81	240.49	1899.89	-10.03	-9.98	-12.87	0.02	16.28	232.21
2000.00	0.86	249.93	1999.88	-10.64	-10.58	-14.19	0.15	17.70	233.28
2100.00	0.70	269.26	2099.87	-10.91	-10.85	-15.50	0.31	18.92	235.02
2200.00	0.65	268.25	2199.86	-10.94	-10.87	-16.68	0.05	19.91	236.90
2300.00	0.51	263.06	2299.86	-11.01	-10.94	-17.69	0.15	20.80	238.26
2400.00	0.50	277.71	2399.86	-11.01	-10.94	-18.56	0.13	21.55	239.49
2500.00	0.43	262.06	2499.85	-11.01	-10.93	-19.37	0.14	22.24	240.56
2600.00	0.50	247.90	2599.85	-11.23	-11.15	-20.14	0.13	23.02	241.04
2700.00	0.54	249.50	2699.84	-11.56	-11.48	-20.99	0.04	23.92	241.33
2800.00	0.59	218.94	2799.84	-12.13	-12.04	-21.75	0.30	24.86	241.03
2900.00	0.61	220.52	2899.83	-12.94	-12.85	-22.42	0.03	25.84	240.19
3000.00	0.75	164.31	2999.83	-13.97	-13.88	-22.59	0.65	26.52	238.43
3100.00	0.80	187.50	3099.82	-15.29	-15.20	-22.51	0.32	27.16	235.96
3200.00	0.78	202.83	3199.81	-16.62	-16.52	-22.86	0.21	28.21	234.14
3300.00	0.60	211.78	3299.80	-17.69	-17.60	-23.40	0.21	29.28	233.06
3400.00	0.40	205.78	3399.80	-18.45	-18.36	-23.83	0.21	30.08	232.39
3500.00	0.29	197.69	3499.80	-19.01	-18.91	-24.06	0.12	30.60	231.83
3600.00	0.26	181.77	3599.80	-19.48	-19.38	-24.14	0.08	30.96	231.24
3700.00	0.22	152.00	3699.80	-19.87	-19.78	-24.06	0.13	31.14	230.58
3800.00	0.19	66.73	3799.80	-19.98	-19.88	-23.82	0.28	31.02	230.15
3900.00	0.16	199.01	3899.79	-20.04	-19.95	-23.71	0.32	30.98	229.93
4000.00	0.37	226.17	3999.79	-20.40	-20.30	-23.99	0.24	31.42	229.76
4100.00	0.44	88.98	4099.79	-20.61	-20.52	-23.84	0.75	31.45	229.28
4200.00	1.16	72.84	4199.78	-20.30	-20.21	-22.48	0.75	30.23	228.05
4300.00	1.35	70.16	4299.76	-19.60	-19.51	-20.41	0.20	28.24	226.28
4400.00	1.49	75.23	4399.73	-18.86	-18.78	-18.04	0.19	26.05	223.85
4500.00	1.40	71.09	4499.70	-18.12	-18.06	-15.63	0.14	23.88	220.88
4600.00	1.14	74.63	4599.67	-17.45	-17.40	-13.52	0.27	22.03	217.85
4700.00	1.26	78.35	4699.65	-16.96	-16.91	-11.48	0.14	20.44	214.17
4800.00	0.96	83.11	4799.63	-16.63	-16.59	-9.57	0.31	19.15	209.99



Scientific
Drilling

Scientific Drilling International

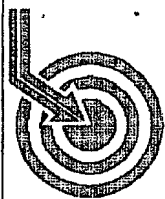
Survey Report

Company: E.O.G.
Field: Mac
Site: Eddy County, NM
Well: Mac 13 Fee #2H
Wellpath: VH - Job #32K1005774

Date: 10/26/2005 Time: 16:19:17 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,0.23Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

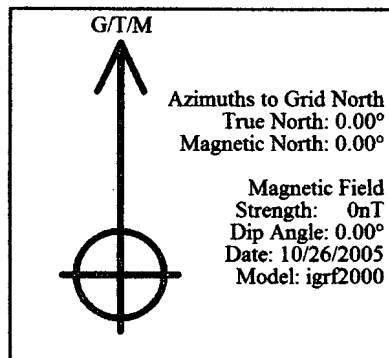
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4892.00	0.73	71.40	4891.62	-16.34	-16.31	-8.25	0.31	18.28	206.84



Scientific
Drilling

Field: Mac
Site: Eddy County, NM
Well: Mac 13 Fee #2H
Wellpath: VH - Job #32K1005774
Survey: 10/26/05



West(-)/East(+) [5ft/in]

South(-)/North(+) [5ft/in]

