

SCIENTIFIC DRILLING CONTROLS

KEEPEE GYRO SURVEY

Directional Survey Report

for

EOG RESOURCES

Well Number	:	NILE 22 STATE COM 2H
Well Location	:	EDDY COUNTY, N.M.
Job Number	:	32K1205888
Location Latitude	:	32.816
Survey Date	:	4-DEC-2005
S.D.C. Personnel	:	PAUL LILJA
Length Units	:	Feet
North Reference	:	GRID North
Grid Correction	:	0.13 Degrees
Survey Depth Zero	:	RKB
Proposal Direction	:	0.03
Calculation Method	:	Minimum Curvature

Remarks : The INRUN Survey will be called definitive

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Inrun Survey
for
EDG RESOURCES

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Well No.: NILE 22 STATE COM 2H

Date : 4-DEC-2003

Job No. : 32K1205888

GRID

Proposal : 0.03

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
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0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00
100.00	100.00	0.43	0.65	40.99	0.43	0.37	0.65
200.00	199.99	1.08	0.63	65.49	1.08	1.24	0.27
300.00	299.98	1.55	0.98	73.73	1.55	2.56	0.37
400.00	399.97	2.13	0.91	64.85	2.13	4.11	0.16
500.00	499.96	2.70	0.56	61.81	2.70	5.25	0.35
600.00	599.96	3.20	0.45	47.16	3.19	5.97	0.17
700.00	699.95	3.55	0.75	82.47	3.55	6.91	0.46
800.00	799.93	3.62	1.66	90.80	3.61	9.01	0.92
900.00	899.89	3.47	1.17	97.37	3.46	11.47	0.52
1000.00	999.88	3.30	0.96	92.58	3.29	13.32	0.23
1100.00	1099.86	3.16	1.00	96.91	3.15	15.02	0.08
1200.00	1199.85	2.85	1.05	102.82	2.84	16.78	0.12
1300.00	1299.83	2.53	0.90	98.75	2.52	18.45	0.17
1400.00	1399.82	2.37	0.78	93.89	2.35	19.91	0.14
1500.00	1499.81	2.35	0.73	86.93	2.34	21.22	0.10
1600.00	1599.81	2.38	0.59	90.85	2.37	22.37	0.15
1700.00	1699.80	2.36	0.50	91.91	2.35	23.32	0.09
1800.00	1799.80	2.22	0.24	125.45	2.21	23.93	0.33
1900.00	1899.80	1.97	0.19	216.77	1.96	24.00	0.31
2000.00	1999.80	1.97	0.33	297.62	1.96	23.65	0.35
2100.00	2099.79	2.36	0.49	306.55	2.35	23.05	0.17
2200.00	2199.79	2.77	0.50	291.93	2.76	22.30	0.13
2300.00	2299.79	3.04	0.51	283.24	3.03	21.46	0.08
2400.00	2399.78	3.21	0.63	277.62	3.20	20.48	0.13
2500.00	2499.78	3.45	0.60	287.81	3.44	19.44	0.11
2600.00	2599.77	3.58	0.62	267.74	3.57	18.40	0.21
2700.00	2699.76	3.50	0.71	264.09	3.49	17.24	0.10
2800.00	2799.75	3.52	0.94	275.76	3.51	15.81	0.28
2900.00	2899.74	3.66	1.20	273.25	3.65	13.95	0.26
3000.00	2999.71	3.79	1.35	273.44	3.78	11.73	0.15
3100.00	3099.67	3.84	1.71	269.31	3.83	9.06	0.38
3200.00	3199.63	3.70	1.69	265.50	3.70	6.10	0.11
3300.00	3299.59	3.53	1.51	267.72	3.53	3.31	0.19
3400.00	3399.56	3.45	1.49	268.58	3.45	0.70	0.03
3500.00	3499.52	3.41	1.45	270.00	3.41	-1.87	0.05
3600.00	3599.50	3.42	0.87	270.59	3.42	-3.89	0.58
3700.00	3699.49	3.48	0.87	274.10	3.48	-5.41	0.05
3800.00	3799.49	3.41	0.18	215.62	3.41	-6.26	0.79
3900.00	3899.48	2.43	1.19	145.02	2.43	-5.75	1.14

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Proposal : 0.03

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
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4000.00	3999.43	0.28	2.43	127.72	0.28	-3.48	1.34
4100.00	4099.31	-2.51	3.03	124.56	-2.51	0.37	0.62
4200.00	4199.14	-5.39	3.80	114.63	-5.39	5.56	0.97
4300.00	4298.89	-7.70	4.35	104.28	-7.71	12.25	0.92
4400.00	4398.59	-9.40	4.44	101.38	-9.41	19.72	0.24
4500.00	4498.30	-10.90	4.27	101.50	-10.91	27.16	0.17
4600.00	4598.06	-12.44	3.77	104.15	-12.46	34.00	0.53
4700.00	4697.86	-13.99	3.46	104.42	-14.02	40.11	0.31
4775.00	4772.74	-15.14	2.88	108.00	-15.16	44.09	0.82

The Horizontal Displacement (in Feet) at
Measured Depth 4775.00 is 46.62 in a Direction of 108.98 Degrees