

Scientific Drilling International Survey Report

Client: KSRG 0'-4380'	Date: 6/5/2001	Time: 12:45	Loc: 1000.00
Version: 1.2	Operator: (N/A)	Station: (N/A)	North: (N/A)
Log: (N/A)	Version: (N/A)	Station: (N/A)	Scale: (N/A)
File: (N/A)	Survey: (N/A)	Well: (N/A)	Well: (N/A)
Well: (N/A)	Survey: (N/A)	Well: (N/A)	Well: (N/A)

Survey: 4/29/01
KSRG 0'-4380'

Start Date: 6/5/2001

Company: Scientific Drilling International
Tool: Keeper

Engineer: Jeff Cossey

Survey

MD ft	Inc deg	Angle deg	TVL ft	VS ft	NS ft	PAW ft	Cal ft	Cal deg
0.0	0.00	0.54	0.0	0.0	0.0	0.0	0.0	0.00
100.0	0.19	202.53	100.0	0.0	-0.2	-0.1	0.2	202.53
200.0	0.07	319.48	200.0	-0.1	-0.3	-0.2	0.3	212.69
300.0	0.14	245.80	300.0	-0.3	-0.3	-0.3	0.4	230.34
400.0	0.13	34.55	400.0	-0.3	-0.2	-0.4	0.4	238.90
500.0	0.15	38.01	500.0	-0.2	0.0	-0.2	0.2	263.88
600.0	0.24	44.54	600.0	0.0	0.2	0.0	0.2	1.87
700.0	0.30	25.01	700.0	0.2	0.6	0.3	0.7	23.30
800.0	0.27	3.15	800.0	0.2	1.1	0.4	1.2	19.66
900.0	0.07	43.28	900.0	0.3	1.4	0.4	1.4	17.97
1000.0	0.20	113.30	1000.0	0.5	1.3	0.6	1.5	25.68
1100.0	0.31	100.84	1100.0	0.9	1.2	1.1	1.6	41.22
1200.0	0.33	124.14	1200.0	1.4	1.0	1.6	1.9	57.32
1300.0	0.44	158.87	1300.0	1.9	0.5	2.0	2.0	75.89
1400.0	0.62	160.82	1400.0	2.3	-0.4	2.3	2.3	99.47
1500.0	0.70	163.55	1500.0	2.8	-1.5	2.6	3.0	119.39
1600.0	0.76	166.22	1600.0	3.3	-2.7	3.0	4.0	132.52
1700.0	0.85	174.46	1700.0	3.7	-4.1	3.2	5.2	142.12
1800.0	1.08	179.72	1799.9	4.0	-5.8	3.3	6.6	150.56
1900.0	0.94	167.25	1899.9	4.4	-7.5	3.4	8.3	155.38
2000.0	0.65	170.54	1999.9	4.9	-8.9	3.7	9.6	157.27
2100.0	0.64	158.98	2099.9	5.3	-10.0	4.0	10.7	158.05
2200.0	0.28	119.33	2199.9	5.8	-10.6	4.4	11.5	157.34
2300.0	0.19	154.51	2299.9	6.1	-10.9	4.7	11.8	156.57
2400.0	0.35	128.74	2399.9	6.5	-11.2	5.0	12.3	155.87
2500.0	0.21	117.39	2499.9	6.9	-11.5	5.4	12.7	154.73
2600.0	0.39	99.30	2599.9	7.4	-11.6	5.9	13.0	153.01
2700.0	0.32	57.46	2699.9	8.0	-11.5	6.5	13.2	150.62
2800.0	0.88	38.36	2799.9	8.6	-10.8	7.2	13.0	146.24
2900.0	0.50	18.32	2899.9	9.0	-9.8	7.8	12.5	141.30
3000.0	0.24	29.93	2999.9	9.2	-9.2	8.1	12.2	138.66
3100.0	0.18	345.19	3099.9	9.2	-8.8	8.1	12.0	137.38
3200.0	0.11	101.07	3199.9	9.2	-8.7	8.2	11.9	136.76
3300.0	0.19	203.41	3299.9	9.3	-8.9	8.2	12.1	137.21
3400.0	0.15	143.95	3399.9	9.3	-9.1	8.2	12.3	137.99
3500.0	0.26	183.85	3499.9	9.4	-9.5	8.3	12.6	138.80
3600.0	0.13	201.72	3599.9	9.4	-9.8	8.2	12.8	139.97
3700.0	0.08	220.72	3699.9	9.4	-9.9	8.1	12.8	140.72
3800.0	0.37	258.13	3799.9	9.0	-10.1	7.8	12.7	142.33
3900.0	0.29	310.63	3899.9	8.5	-10.0	7.3	12.3	143.92
4000.0	0.43	275.92	3999.9	7.9	-9.8	6.7	11.8	145.55
4100.0	0.39	274.95	4099.9	7.2	-9.7	6.0	11.4	148.31
4200.0	0.32	258.05	4199.9	6.6	-9.7	5.4	11.1	151.08
4300.0	0.68	307.57	4299.9	5.8	-9.4	4.6	10.5	153.83
4380.0	0.89	187.76	4379.9	5.4	-9.7	4.2	10.6	156.84