

001662

sperry-sun

OF CANADA LTD

GYROSCOPIC DIRECTIONAL SURVEY
FOR
CYPRUS ANVIL MINING CORPORATION
81-X-03



canadian directional drilling services

sperry-sun

DIRECTIONAL SURVEY REPORT

FOR

CYPRUS ANVIL MINING CORPORATION



TYPE OF SURVEY: GYROSCOPIC DIRECTIONAL SURVEY

SURVEY DEPTH: FROM 00 m TO 1030 m

LEASE: 81-X-03

FIELD:/AREA: DY DEPOSIT

PROVINCE: YUKON JOB NO. LRG-E-274

DATE OF SURVEY: 1981 05 19

OFFICE: EDMONTON, ALBERTA

SPERRY-SUN OF CANADA
GYROSCOPIC DIRECTIONAL SURVEY

PAGE 1

CYPRUS ANVIL MINING CORPORATION
81-X-03

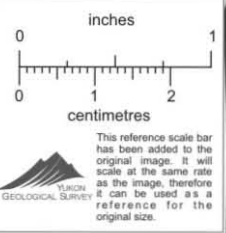
LRG-E-274
19810519

TOTAL DEPTH	DIRECTION DEG	ANGLE DEG	VERTICAL DEPTH	LATITUDE METRES	DEPARTURE METRES	VERTICAL SECTION	DOG LEG
0	0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00
30	327.8	4.10	30.45	0.92 N	0.59 W	0.74	4.04
61	334.9	5.75	60.82	3.23 N	1.82 W	2.65	1.73
91	343.1	7.37	91.10	6.48 N	3.03 W	5.48	1.83
122	346.2	7.55	121.32	10.29 N	4.08 W	8.89	0.44
152	330.3	6.75	151.57	13.80 N	5.44 W	11.92	2.09
183	283.3	5.30	181.90	15.68 N	7.70 W	13.15	4.91
213	278.2	5.45	212.24	16.21 N	10.50 W	12.94	0.49
244	286.4	4.30	242.61	16.74 N	13.03 W	12.80	1.32
274	291.0	3.55	273.02	17.40 N	15.01 W	12.92	0.80
305	323.7	3.38	303.45	18.46 N	16.42 W	13.58	1.93
335	332.4	5.05	333.84	20.38 N	17.57 W	15.13	1.75
366	346.1	6.33	364.17	23.20 N	18.60 W	17.59	1.83
396	357.7	7.50	394.43	26.82 N	19.08 W	20.97	1.79
427	358.7	9.48	424.58	31.31 N	19.22 W	25.27	1.96
457	352.0	10.42	454.60	36.55 N	19.66 W	30.22	1.45
488	352.9	11.20	484.54	42.22 N	20.41 W	35.50	0.79
518	354.7	11.55	514.42	48.20 N	21.06 W	41.10	0.49
549	0.5	11.78	544.27	54.35 N	21.32 W	46.98	1.19
579	1.4	12.50	574.07	60.76 N	21.21 W	53.20	0.73
610	3.3	13.37	603.77	67.57 N	20.93 W	59.85	0.95
640	5.6	14.95	633.33	75.00 N	20.35 W	67.18	1.66
671	12.0	16.17	662.69	83.06 N	19.07 W	75.30	2.06
701	16.3	16.92	691.91	91.47 N	16.95 W	83.97	1.41
732	14.3	16.08	721.14	99.82 N	14.66 W	92.63	1.00
762	12.1	16.42	750.40	108.12 N	12.71 W	101.15	0.68
792	13.3	16.58	779.62	116.57 N	10.80 W	109.80	0.36
823	15.2	16.92	808.81	125.08 N	8.64 W	118.58	0.64
853	17.2	17.35	837.94	133.70 N	6.13 W	127.56	0.71
884	4.5	18.95	866.91	142.98 N	4.40 W	136.97	4.17
914	355.0	20.28	895.63	153.18 N	4.47 W	146.81	3.40
945	6.7	20.72	924.19	163.80 N	4.30 W	157.11	4.04
975	8.7	20.50	952.72	174.43 N	2.86 W	167.75	0.73
1006	5.3	17.50	981.54	184.27 N	1.62 W	177.58	3.14
1030	7.2	15.95	1004.89	191.25 N	0.86 W	184.51	2.02

THE DOGLEG SEVERITY IS IN DEGREES PER 30 METRES.
THE VERTICAL SECTION WAS COMPUTED ALONG AZ. 15.0

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 191.25 METRES, IN THE DIRECTION OF AZ. 359.7

BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.
VERTICAL SECTION IS RELATIVE TO WELLHEAD.



CYPRUS ANVIL MINING CORPORATION

81-X-03

TSD 1030 m
TVD 1004.89 m

HORIZONTAL DISPLACEMENT IS 191.25 m
IN THE DIRECTION OF AZ. 359.7



HORIZONTAL PROJECTION
SCALE 2 cm = 10 m

579 m

30 20 10 0

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OF CANADA LTD.

DRWG BY: *MLK* CHCKD BY: *MLK* DATE *May 22/81*