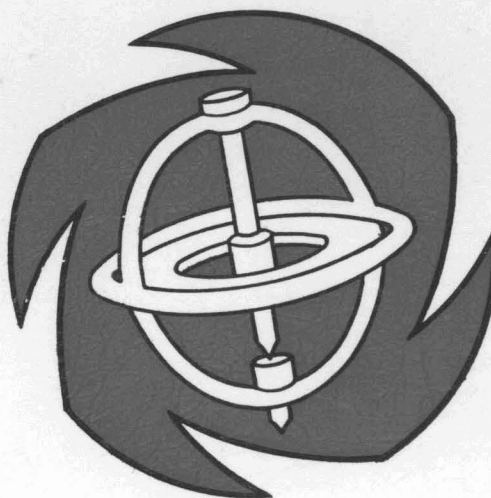


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sperry-sun
OF CANADA LTD

78-X-~~08~~09
DIRECTIONAL SURVEY REPORT
for
CYPRUS ANVIL MINING CORPORATION



Edmonton (403) 436-9602, Calgary (403) 264-6702

sperry-sun

OF CANADA LTD.



P.O. BOX 4026

EDMONTON, ALBERTA

T6E 4S8

JOHN A. FOUCHÉ CHAIRMAN

JOHN S. GOSLING PRESIDENT

REUBIN E. NEHRING VICE-PRESIDENT

August 17, 1978

Cyprus Anvil Mining Corporation
Box 1000
Faro, Yukon Territory
Y0B 1K0

Attention: Mr. D. Hanson

Dear Sirs:

Enclosed herewith are the results of a Sperry-Sun
Surwel Gyroscopic Directional Survey run on your
78X09 Hole on August 3, 1978.

We thank you for your valued business and trust that
we may be of service to you again in the near future.

Sincerely,

H.W. Fichtner
District Manager

SPERRY-SUN OF CANADA LTD.

Distribution of Results:

Enclosed - Orig. + 7 copies

HWF:tin

sperry-sun

DIRECTIONAL SURVEY REPORT

FOR

CYPRUS ANVIL MINING CORPORATION



TYPE OF SURVEY: SURWEL BYROSCOPIC

SURVEY DEPTH: FROM 0 FT. TO 2200 FT.

LEASE: 78X09

FIELD:/AREA: FARO

PROVINCE: YUKON TERRITORY JOB NO. SU1.75-E-221

DATE OF SURVEY: AUGUST 3, 1978

OFFICE: EDMONTON, ALBERTA

SPERRY-SUN OF CANADA
GYROSCOPIC DIRECTIONAL SURVEY

PAGE 1

CYPRUS ANVIL MINING CORP.
78X09

SU1.75-E-221
19780803

TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
	N 0 0 E	0 0	.00	.00 N	.00 E	.00	.00
100	S 64 10 E	1 0	99.99	.39 S	.79 E	-.16	1.00
200	S 27 38 E	1 0	199.98	1.54 S	1.98 E	-.97	.63
300	S 33 54 W	2 0	299.95	3.77 S	1.41 E	-3.26	1.76
400	S 64 43 W	3 30	399.83	6.52 S	2.34 W	-6.89	2.06
500	S 75 29 W	5 0	499.56	8.91 S	9.32 W	-11.01	1.69
600	S 80 57 W	7 45	598.93	11.07 S	20.20 W	-15.90	2.81
700	S 87 20 W	9 15	697.83	12.50 S	34.88 W	-21.09	1.77
800	S 86 11 W	9 30	796.49	13.43 S	51.15 W	-26.19	.31
900	S 89 45 W	8 30	895.26	14.01 S	66.77 W	-30.80	1.14
1000	S 89 18 W	8 15	994.20	14.13 S	81.34 W	-34.68	.26
1100	N 85 28 W	9 0	1093.06	13.59 S	96.31 W	-38.05	1.08
1200	N 84 58 W	9 50	1191.72	12.23 S	112.61 W	-40.94	.84
1300	N 87 12 W	9 30	1290.29	11.08 S	129.36 W	-44.17	.50
1400	S 88 59 W	9 45	1388.89	10.82 S	146.07 W	-48.25	.69
1500	N 86 50 W	13 0	1486.91	10.35 S	165.77 W	-52.89	3.35
1600	N 80 14 W	14 0	1584.15	7.68 S	188.92 W	-56.30	1.84
1700	N 77 43 W	13 45	1681.23	3.10 S	212.46 W	-57.97	.65
1800	N 75 35 W	15 0	1778.10	2.66 N ^{1.36}	236.60 W ^{76.5}	-58.66	1.36
1900	N 83 58 W	15 0	1874.71	7.25 N ^{2.16}	262.01 W ^{81.24}	-60.81	2.17
2000	N 80 3 W	15 0	1971.30	10.84 N	287.62 W	-63.97	1.01
2100	N 71 3 W	14 45	2067.96	17.22 N	312.41 W	-64.23	2.32
2200	N 63 28 W	14 30	2164.73	26.94 N	335.65 W	-60.84	1.93

THE DOGLEG SEVERITY IS IN DEGREES PER ONE HUNDRED FEET.
THE VERTICAL SECTION WAS COMPUTED ALONG N 15 0 E.

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 336.72 FEET, IN THE DIRECTION OF N 85 24 W.

78 X 09

TSD 2200'
TVD 2164.73'

HORIZONTAL DISPLACEMENT IS 336.72'
IN THE DIRECTION N 85° 24' W



1500'

1000'

50'

0

50'

HORIZONTAL PROJECTION

SCALE 1" = 50'

350'

250'

150'

50'

0