

001657

sperry-sun

OF CANADA LTD

GYROSCOPIC DIRECTIONAL SURVEY
FOR
CYPRUS ANVIL MINING CORPORATION
80-x-11



canadian directional drilling services

sperry-sun

DIRECTIONAL SURVEY REPORT

FOR

CYPRUS ANVIL MINING CORPORAION



TYPE OF SURVEY: GYROSCOPIC DIRECTIONAL SURVEY

SURVEY DEPTH: FROM 00 m TO 780 m

LEASE: 80-X-11

FIELD:/AREA: DY

PROVINCE: YUKON JOB NO. LRG-E-427

DATE OF SURVEY: 1980 08 27

OFFICE: EDMONTON, ALBERTA

SPERRY-SUN OF CANADA
GYROSCOPIC DIRECTIONAL SURVEY

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CYPRESS ANVIL MINING CORP.
80 X 11

LRG-E-427
27081980

TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE METRES	DEPARTURE METRES	VERTICAL SECTION	DOG LEG
0	0 0	0 0	0.00	0.00 N	0.00 E	0.00	0.00
30	334 37	2 0	29.99	0.47 N	0.23 W	0.40	2.00
90	330 59	3 8	89.93	2.85 N	1.48 W	2.38	0.57
120	319 49	3 20	119.89	4.24 N	2.44 W	3.46	0.66
150	320 15	2 52	149.84	5.48 N	3.48 W	4.39	0.47
180	319 32	3 35	179.79	6.77 N	4.57 W	5.36	0.72
210	328 44	5 2	209.71	8.61 N	5.66 W	6.80	1.60
240	332 38	5 45	239.58	11.07 N	7.24 W	8.82	0.80
270	335 55	6 3	269.42	13.84 N	8.57 W	11.16	0.45
300	333 2	8 52	299.16	17.35 N	10.27 W	14.10	2.84
330	331 4	10 5	328.75	21.71 N	12.58 W	17.71	1.26
360	330 2	10 30	358.27	26.38 N	15.22 W	21.54	0.46
390	331 55	11 0	387.74	31.27 N	17.93 W	25.56	0.61
420	325 58	11 20	417.17	36.24 N	20.93 W	29.59	1.20
450	321 54	11 37	446.57	41.06 N	24.45 W	33.33	0.86
480	326 37	12 45	475.90	46.20 N	28.13 W	37.34	1.51
510	328 33	13 57	505.09	52.05 N	31.64 W	42.03	1.28
540	333 20	13 57	534.20	58.36 N	35.35 W	47.23	1.15
570	342 57	14 3	563.32	65.08 N	38.04 W	53.02	2.33
600	346 45	14 7	592.41	72.12 N	39.95 W	59.32	0.93
630	341 51	15 3	621.45	79.38 N	42.00 W	65.81	1.55
660	341 51	17 56	650.21	87.47 N	44.65 W	72.94	2.86
690	347 40	19 33	678.62	96.77 N	47.16 W	81.26	2.47
720	346 24	21 35	706.71	107.03 N	49.53 W	90.57	2.08
750	344 8	22 33	734.51	117.93 N	52.41 W	100.35	1.29
780	342 23	23 40	762.10	129.20 N	55.60 W	110.36	1.31

THE DOGLEG SEVERITY IS IN DEGREES PER 30 METRES.
THE VERTICAL SECTION WAS COMPUTED ALONG N 15 0 E

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 140.73 METRES, IN THE DIRECTION OF N 23 21 W
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.
VERTICAL SECTION IS RELATIVE TO WELLHEAD.

CYPRESS ANVIL MINING CORP.

80 X 11

TSD 780 m
TVD 762.10 m

HORIZONTAL DISPLACEMENT IS 140.73 m
IN THE DIRECTION OF N 23 21 W

450m



HORIZONTAL PROJECTION
SCALE 2cm = 10m

60 50 40 30 20 10 0

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DRWG BY: ADJ

CHKD BY: QCS

DATE Sept 2/80