

001649

# sperry-sun

OF CANADA LTD

GYROSCOPIC DIRECTIONAL SURVEY  
FOR  
CYPRUS ANVIL MINING CORPORATION  
80-x-04



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 1006 m

LEASE: 80-X-04 DY DEPOSIT

FIELD:/AREA: DY

PROVINCE: N.W.T. JOB NO IRGL.75-E-337

DATE OF SURVEY: 1980 05 16

OFFICE: EDMONTON, ALBERTA

SPERRY-SUN INTERNATIONAL  
GYROSCOPIC DIRECTIONAL SURVEY

PAGE 1

CYPRESS ANVIL MINING CORP.  
80-X-04 DY DEPOSIT

LRG1.75-E-337  
19800516

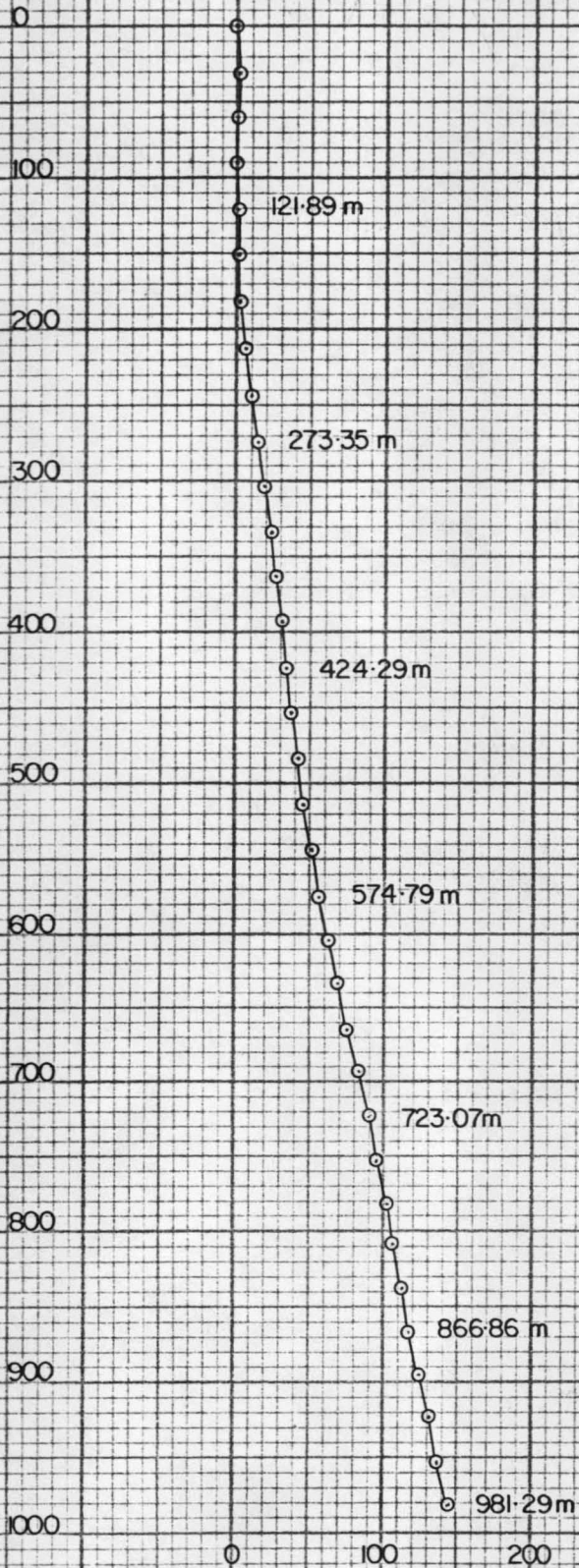
TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE METRES	DEPARTURE METRES	VERTICAL SECTION	DOG LEG
0	N 0 0 E	0 0	0.00	0.00 N	0.00 E	0.00	0.00
30	N 34 45 W	1 9	30.48	0.25 N	0.18 W	0.20	1.13
61	S 53 22 W	1 32	60.95	0.26 N	0.69 W	0.08	1.92
91	N 27 57 W	1 30	91.43	0.37 N	1.20 W	0.05	2.26
122	N 13 45 W	1 48	121.89	1.19 N	1.50 W	0.76	0.50
152	N 18 56 W	4 24	152.32	2.76 N	1.99 W	2.15	2.57
183	N 14 31 W	6 10	182.67	5.45 N	2.78 W	4.54	1.78
213	N 13 10 W	6 34	212.97	8.73 N	3.59 W	7.51	0.42
244	N 11 15 W	7 51	243.20	12.47 N	4.39 W	10.91	1.28
274	N 8 58 W	9 0	273.35	16.86 N	5.17 W	14.95	1.18
305	N 10 12 W	8 49	303.47	21.52 N	5.96 W	19.25	0.26
335	N 7 54 W	7 45	333.63	25.85 N	6.65 W	23.25	1.10
366	N 8 15 W	7 9	363.85	29.77 N	7.21 W	26.89	0.59
396	N 14 8 W	7 26	394.08	33.56 N	7.96 W	30.35	0.79
427	N 13 35 W	7 51	424.29	37.49 N	8.93 W	33.90	0.42
457	N 5 33 W	7 52	454.49	41.59 N	9.62 W	37.68	1.08
488	N 3 39 W	8 36	484.65	45.94 N	9.97 W	41.80	0.77
518	N 1 19 E	8 52	514.78	50.56 N	10.06 W	46.24	0.79
549	N 3 26 E	9 54	544.85	55.53 N	9.85 W	51.09	1.07
579	N 2 48 E	11 40	574.79	61.22 N	9.54 W	56.67	1.74
610	N 9 12 E	11 20	604.66	67.26 N	8.91 W	62.66	1.30
640	N 13 43 E	13 4	634.45	73.56 N	7.62 W	69.08	1.95
671	N 0 53 E	13 25	664.13	80.44 N	6.75 W	75.96	2.91
701	N 14 34 W	14 50	693.69	87.76 N	7.67 W	82.79	3.95
732	N 28 10 W	16 14	723.07	95.29 N	10.67 W	89.29	3.83
762	N 33 1 W	18 14	752.18	103.05 N	15.27 W	95.59	2.42
792	N 43 34 W	19 49	781.00	110.80 N	21.44 W	101.47	3.72
823	N 44 45 W	18 15	809.82	117.93 N	28.36 W	106.57	1.59
853	N 45 29 W	20 45	838.55	125.10 N	35.57 W	111.64	2.47
884	N 43 26 W	22 42	866.86	133.16 N	43.46 W	117.38	2.06
914	N 37 45 W	22 6	895.04	141.97 N	51.02 W	123.93	2.21
945	N 37 18 W	21 31	923.34	150.95 N	57.91 W	130.82	0.60
975	N 34 56 W	17 5	952.10	159.07 N	63.87 W	137.12	4.43
1006	N 37 29 W	16 21	981.29	166.14 N	69.04 W	142.62	1.02

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 179.91 METRES, IN THE DIRECTION OF N 22 34 W  
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.  
VERTICAL SECTION IS RELATIVE TO WELLHEAD.

# CYPRUS ANVIL MINING CORPORATION

## 80-X-04 DY DEPOSIT



VERTICAL PROJECTION

SCALE 1 cm = 50 m

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OF CANADA LTD.

DRWG BY: *[Signature]*

CHKD BY: *[Signature]*

DATE 1980.5.16