

001656

sperry-sun

OF CANADA LTD

GYROSCOPIC DIRECTIONAL SURVEY
FOR
CYPRUS ANVIL MINING CORPORATION
80-x-10



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 960 m

LEASE: DY DEPOSIT 80-X-10

FIELD:/AREA: FARO

PROVINCE: YUKON JOB NO. LRG-E-447

DATE OF SURVEY: 1980 09 27

OFFICE: EDMONTON, ALBERTA

SPERRY-SUN OF CANADA
GYROSCOPIC DIRECTIONAL SURVEY

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CYPRUS ANVIL MINING CORPORATION
OY DEPOSIT 80-X-10

LRG-E-447
19800927

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	355 22	2 15	30.48	0.60 N	0.06 W	0.56	2.21
61	351 36	4 22	60.92	2.34 N	0.28 W	2.19	2.09
91	330 54	5 35	91.30	4.79 N	1.17 W	4.32	2.11
122	326 40	7 0	121.60	7.63 N	2.91 W	6.62	1.47
152	326 22	7 30	151.85	10.84 N	5.03 W	9.17	0.49
183	330 30	8 25	182.04	14.44 N	7.23 W	12.08	1.06
213	335 15	9 7	212.18	18.58 N	9.34 W	15.53	0.99
244	334 48	10 13	242.23	23.22 N	11.51 W	19.45	1.08
274	341 11	9 35	272.27	28.07 N	13.48 W	23.63	1.25
305	338 7	10 0	302.32	32.93 N	15.28 W	27.85	0.66
335	339 55	11 7	332.29	38.14 N	17.28 W	32.38	1.15
366	350 55	12 5	362.16	44.06 N	18.79 W	37.70	2.37
396	350 33	13 50	391.87	50.80 N	19.89 W	43.93	1.72
427	352 47	14 30	421.44	58.19 N	20.97 W	50.78	0.85
457	350 51	16 10	450.84	66.17 N	22.13 W	58.19	1.71
488	353 58	15 38	480.16	74.44 N	23.23 W	65.89	0.99
518	356 41	14 55	509.58	82.44 N	23.89 W	73.45	1.00
549	359 28	14 30	539.07	90.18 N	24.15 W	80.86	0.81
579	5 10	14 50	568.56	97.88 N	23.84 W	88.38	1.46
610	5 0	15 37	597.98	105.86 N	23.13 W	96.27	0.77
640	5 22	16 41	627.27	114.31 N	22.36 W	104.63	1.05
665	6 49	17 31	650.53	121.42 N	21.60 W	111.70	1.15
690	8 55	18 42	674.65	129.23 N	20.52 W	119.52	1.60
720	1 14	20 0	702.96	139.11 N	19.66 W	129.29	2.85
750	357 6	21 35	731.00	149.75 N	19.83 W	139.52	2.16
780	344 42	22 26	758.83	160.79 N	21.62 W	149.72	4.72
810	339 28	24 0	786.40	172.03 N	25.27 W	159.63	2.59
870	332 29	20 25	841.95	192.75 N	34.39 W	177.28	2.22
900	334 51	17 45	870.30	201.53 N	38.76 W	184.63	2.78
930	338 0	16 27	898.98	209.61 N	42.29 W	191.52	1.60
960	2 54	12 28	928.05	216.79 N	43.72 W	198.09	7.30

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 221.15 METRES, IN THE DIRECTION OF N 11 24 W
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.
VERTICAL SECTION IS RELATIVE TO WELLHEAD.

CYPRUS ANVIL MINING CORPORATION

DY DEPOSIT 80-X-10

TSD 960m
TVD 928.05m

HORIZONTAL DISPLACEMENT IS 221.15 m
IN THE DIRECTION OF N 11 24 W

579 m

HORIZONTAL PROJECTION
SCALE 2 cm = 20 m

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DRWG BY: JOT CHCKD BY: M.C.M. DATE: Oct 3/80