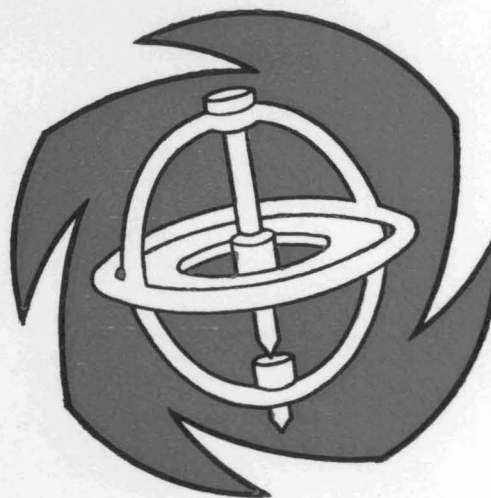


001626

sperry-sun
OF CANADA LTD

GYROSCOPIC DIRECTIONAL SURVEY
FOR
79-X-07
CYPRUS ANVIL MINING CORPORATION



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

sperry-sun

DIRECTIONAL SURVEY REPORT

FOR

CYPRUS ANVIL MINING CORPORATION



TYPE OF SURVEY: _____ GYROSCOPIC DIRECTIONAL SURVEY _____

SURVEY DEPTH: FROM 00 _____ m TO 690 _____ m

LEASE: _____ 79-7 _____

FIELD:/AREA: _____ CYPRUS ANVIL _____

PROVINCE: _____ ALBERTA _____ JOB NO. SU1.75-E-449

DATE OF SURVEY: _____ JULY 13, 1979 _____

OFFICE: _____ EDMONTON, ALBERTA _____

SPERRY-SUN OF CANADA
GYROSCOPIC DIRECTIONAL SURVEY

PAGE 1

CYPRUS ANVIL MINING CORPORATION
CYPRUS ANVIL 79-7

SU1.75-E-449
19790713

TOTAL DEPTH	DIRECTION DEG	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	265.9	4 30	29.97	0.09 S	1.18 W	-0.39	4.50
60	273.5	4 55	59.87	0.10 S	3.64 W	-1.03	0.75
90	273.5	6 30	89.72	0.09 N	6.62 W	-1.62	1.58
120	273.9	7 20	119.50	0.33 N	10.22 W	-2.33	0.83
150	272.7	7 5	149.26	0.55 N	13.98 W	-3.09	0.29
180	280.1	7 10	179.03	0.96 N	17.67 W	-3.64	0.93
210	282.3	7 35	208.78	1.72 N	21.45 W	-3.89	0.50
240	291.9	7 0	238.54	2.82 N	25.08 W	-3.77	1.34
270	297.4	7 10	268.31	4.36 N	28.44 W	-3.15	0.70
300	314.0	6 45	298.09	6.44 N	31.37 W	-1.89	2.05
330	312.1	6 55	327.88	8.88 N	33.98 W	-0.21	0.27
360	305.1	7 25	357.65	11.20 N	36.90 W	1.27	1.01
390	308.5	7 45	387.38	13.58 N	40.07 W	2.74	0.56
420	320.4	5 30	417.18	15.94 N	42.57 W	4.38	2.62
450	325.4	6 40	447.01	18.48 N	44.48 W	6.34	1.28
480	322.9	10 5	476.69	22.01 N	47.05 W	9.09	3.43
510	327.1	11 0	506.18	26.51 N	50.19 W	12.62	1.19
540	326.7	12 5	535.57	31.54 N	53.47 W	16.63	1.09
570	324.0	13 5	564.85	36.91 N	57.18 W	20.86	1.16
600	318.0	14 45	593.97	42.50 N	61.73 W	25.08	2.21
630	318.4	15 45	622.92	48.39 N	66.99 W	29.40	1.01
660	318.7	15 0	651.84	54.35 N	72.25 W	33.80	0.75
690	314.6	15 20	680.80	60.05 N	77.64 W	37.91	1.11

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 98.14 METRES, IN THE DIRECTION OF AZ. 307.7

CYPRUS ANVIL 79 - 7

TSD 690 m
TVD 680.80 m

60

50

40

HORIZONTAL DISPLACEMENT IS 98.14 m

IN THE DIRECTION OF AZ. 307.7

30

20

10

0



HORIZONTAL PROJECTION
SCALE 2 cm = 10 m

390 m

70

60

50

40

30

20

10

0