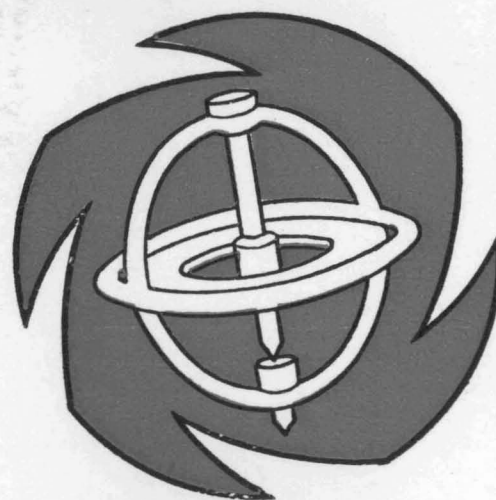


001623

**sperry-sun**  
OF CANADA LTD

GYROSCOPIC DIRECTIONAL SURVEY  
FOR 79204  
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 \_\_\_\_\_ 669 \_\_\_\_\_ m

LEASE: \_\_\_\_\_ DY-79-X04 \_\_\_\_\_

FIELD:/AREA: \_\_\_\_\_ DY \_\_\_\_\_

PROVINCE: \_\_\_\_\_ ALBERTA \_\_\_\_\_ JOB NO. \_\_\_\_\_ S111.75-E-390

DATE OF SURVEY: \_\_\_\_\_ MAY 27, 1979 \_\_\_\_\_

OFFICE: \_\_\_\_\_ EDMONTON, ALBERTA \_\_\_\_\_

SPERRY-SUN OF CANADA  
GYROSCOPIC DIRECTIONAL SURVEY

PAGE 1

CYPRUS ANVIL MINING CORPORATION  
DY-79-X04

SU1.75-E-390  
19790527

TOTAL DEPTH	DIRECTION DEG	ANGLE DEG	VERTICAL DEPTH	LATITUDE METERS	DEPARTURE METERS	VERTICAL SECTION	DOG LEG
	.0	.00	.00	.00 N	.00 E	.00	.00
30	318.8	.30	30.00	.06 N	.06 W	.08	.30
60	281.1	.99	60.00	.17 N	.37 W	.37	.78
90	290.2	3.31	89.97	.52 N	1.44 W	1.36	2.33
120	283.9	4.94	119.90	1.13 N	3.50 W	3.22	1.68
150	292.5	6.82	149.74	2.12 N	6.40 W	5.93	2.07
180	287.2	7.06	179.52	3.35 N	9.81 W	9.17	.69
210	292.5	7.08	209.29	4.60 N	13.28 W	12.46	.66
240	289.0	7.17	239.06	5.92 N	16.76 W	15.81	.44
270	288.9	8.03	268.79	7.21 N	20.51 W	19.33	.86
300	289.7	6.34	298.56	8.45 N	24.06 W	22.66	1.70
330	302.2	6.45	328.37	9.90 N	27.04 W	25.77	1.39
360	314.1	6.01	358.19	11.89 N	29.59 W	28.97	1.36
390	314.9	6.53	388.01	14.19 N	31.93 W	32.24	.52
420	313.4	6.04	417.83	16.48 N	34.29 W	35.53	.51
450	313.9	7.34	447.63	18.89 N	36.81 W	39.02	1.29
480	326.8	7.11	477.39	21.78 N	39.21 W	42.76	1.63
510	336.3	8.58	507.11	25.38 N	41.13 W	46.69	1.95
540	338.4	8.19	536.79	29.41 N	42.82 W	50.79	.50
570	344.2	9.01	566.45	33.66 N	44.25 W	54.85	1.19
600	343.1	9.52	596.06	38.29 N	45.61 W	59.15	.54
630	353.1	10.09	625.62	43.28 N	46.65 W	63.49	1.78
660	352.6	10.58	655.14	48.62 N	47.32 W	67.83	.50
669	353.4	10.06	663.99	50.21 N	47.51 W	69.12	1.81

THE DOGLEG SEVERITY IS IN DEGREES PER 30 METERS.  
THE VERTICAL SECTION WAS COMPUTED ALONG AZ. 316.6

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE  
DISPLACEMENT IS 69.12 METERS, IN THE DIRECTION OF AZ. 316.6

# CYPRUS ANVIL MINING CORPORATION

## DY - 79 - X04

