

001635

sperry-sun

OF CANADA LTD

GYROSCOPIC DIRECTIONAL SURVEY
FOR
CYPRUS ANVIL MINING CORPORATION
79-X-17



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 630 m

LEASE: 79-17

FIELD:/AREA: DY

PROVINCE: YUKON JOB NO. SU1.75-E-181

DATE OF SURVEY: OCTOBER 23, 1979

OFFICE: EDMONTON, ALBERTA

SPERRY-SUN OF CANADA
GYROSCOPIC DIRECTIONAL SURVEY

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SU1.75-2-181
23RD OCTOBER, 1979

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	4.1	3 0	29.99	0.78 N	0.06 E	0.56	3.00
60	337.1	4 0	59.93	2.53 N	0.31 W	2.11	1.90
90	323.9	5 55	89.82	4.74 N	1.62 W	4.64	2.22
120	319.2	7 50	119.60	7.54 N	3.87 W	6.23	2.00
150	322.0	10 30	149.22	11.24 N	6.89 W	13.01	2.70
180	323.5	9 10	178.78	15.32 N	9.99 W	18.12	1.36
210	322.3	9 40	208.37	19.23 N	12.96 W	23.02	0.54
240	318.3	10 30	237.91	23.26 N	16.32 W	28.27	1.09
270	322.4	9 0	267.47	27.16 N	19.57 W	33.34	1.65
300	325.1	9 0	297.10	30.95 N	22.34 W	38.02	0.42
330	324.0	8 0	326.77	34.56 N	24.91 W	42.43	1.01
360	330.1	8 10	356.48	38.10 N	27.20 W	46.61	0.88
390	328.1	8 45	386.15	41.88 N	29.47 W	50.95	0.65
420	324.3	10 55	415.71	45.12 N	32.34 W	56.04	2.26
450	322.1	12 5	445.10	50.91 N	35.93 W	62.00	1.24
480	320.7	12 15	474.43	55.85 N	39.87 W	68.32	0.34
510	306.7	13 20	503.69	60.38 N	44.66 W	74.88	3.28
540	309.3	13 35	532.87	64.67 N	50.16 W	81.73	0.66
570	311.8	13 0	562.06	69.15 N	55.41 W	88.55	0.83
600	308.1	16 15	591.09	74.00 N	61.22 W	96.01	3.38
630	304.5	19 0	619.68	79.36 N	68.55 W	104.86	2.95

THE DOGLEG SEVERITY IS IN DEGREES PER 30 METRES.
THE VERTICAL SECTION WAS COMPUTED ALONG AZ. 319.2

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS, THE BOTTOM HOLE
DISPLACEMENT IS 104.86 METRES, IN THE DIRECTION OF AZ. 319.2
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.

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