

001647

sperry-sun

OF CANADA LTD

LEVEL ROTOR SURVEY
FOR
CYPRUS ANVIL MINING CORPORATION
80-x-02



canadian directional drilling services

sperry-sun

DIRECTIONAL SURVEY REPORT

FOR

CYPRUS ANVIL MINING CORPORATION



TYPE OF SURVEY: LEVEL ROTOR SURVEY

SURVEY DEPTH: FROM 00 m TO 908 m

LEASE: 80-X-02

FIELD:/AREA: DY DEPOSIT

PROVINCE: YUKON JOB NO. LRG1.75-E-319

DATE OF SURVEY: 1980 04 18

OFFICE: EDMONTON, ALBERTA

SPERRY-SUN OF CANADA
LEVEL ROTOR SURVEY

PAGE 1

CYPRUS ANVIL MINING CORPORATION
80-X-02 DY DEPOSIT

LRG1.75-E-319
19800418

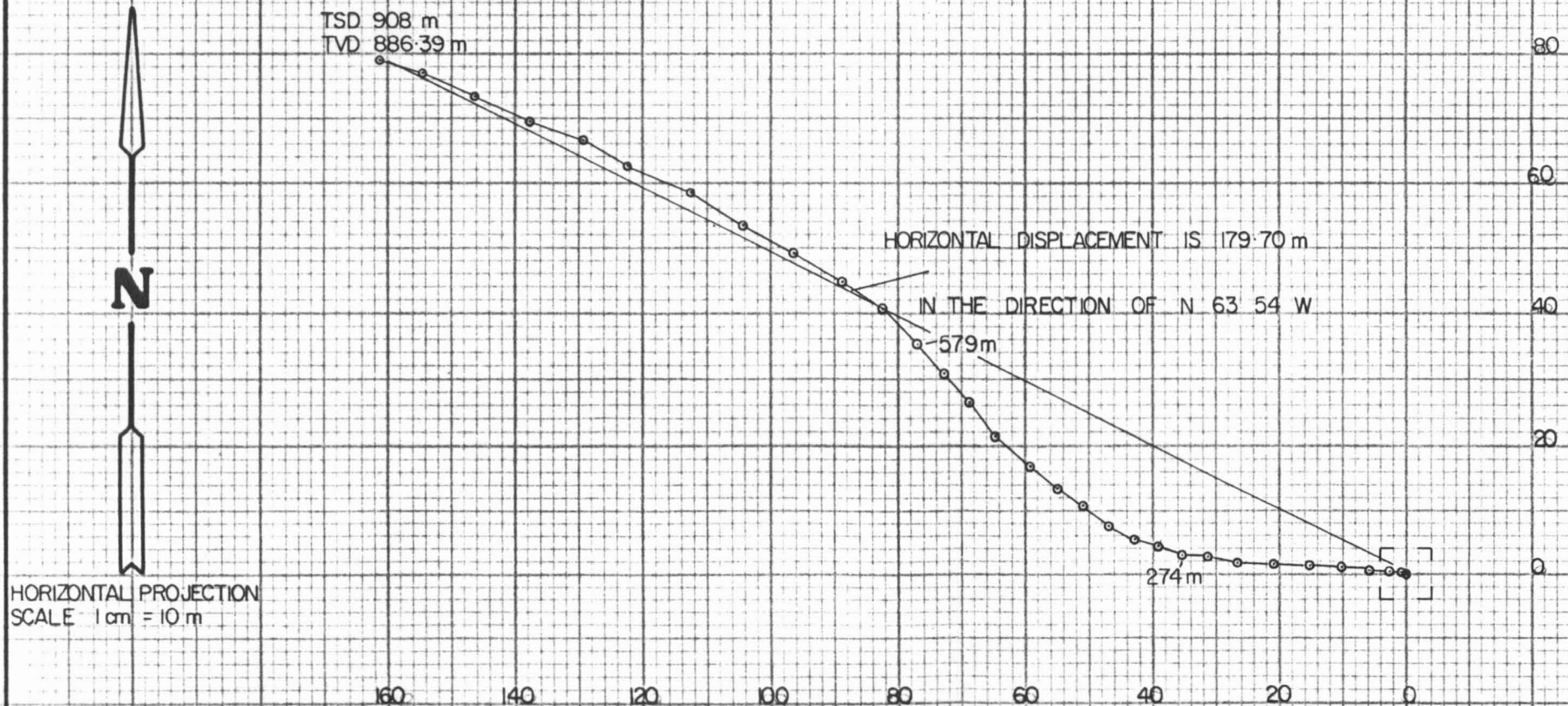
TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE METRES	DEPARTURE METRES	VERTICAL SECTION	DOG LEG
0	N 0 0 E	0 0	0.00	0.00 N	0.00 E	0.00	0.00
30	N 83 1 W	2 14	30.47	0.07 N	0.60 W	0.56	2.20
61	N 86 38 W	4 35	60.90	0.22 N	2.40 W	2.25	2.32
91	N 80 46 W	7 30	91.20	0.61 N	5.58 W	5.27	2.93
122	N 84 41 W	9 32	121.35	1.16 N	10.06 W	9.54	2.08
151	N 87 13 W	10 2	150.40	1.51 N	15.06 W	14.18	0.67
183	N 89 18 W	11 7	181.34	1.68 N	20.83 W	19.44	1.09
213	N 87 46 W	10 10	211.30	1.82 N	26.46 W	24.55	0.98
244	N 83 1 W	8 40	241.37	2.21 N	31.43 W	29.18	1.66
274	N 76 16 W	7 27	271.55	2.95 N	35.62 W	33.28	1.51
305	N 64 31 W	6 53	301.79	4.21 N	39.19 W	37.04	1.54
335	N 65 18 W	7 45	332.02	5.85 N	42.71 W	40.92	0.86
366	N 62 29 W	9 3	362.17	7.82 N	46.70 W	45.37	1.34
396	N 52 14 W	9 27	392.26	10.46 N	50.81 W	50.22	1.67
427	N 49 28 W	10 27	422.28	13.79 N	54.89 W	55.35	1.09
457	N 51 16 W	12 20	452.16	17.62 N	59.53 W	61.20	1.89
488	N 47 14 W	12 12	481.94	21.85 N	64.43 W	67.46	0.85
518	N 43 17 W	10 45	511.81	26.10 N	68.74 W	73.21	1.62
549	N 40 34 W	12 30	541.66	30.68 N	72.84 W	78.90	1.80
579	N 43 28 W	12 30	571.42	35.58 N	77.25 W	85.02	0.62
610	N 48 44 W	13 50	601.10	40.38 N	82.26 W	91.63	1.76
640	N 60 55 W	16 10	630.55	44.84 N	88.71 W	99.38	3.85
671	N 60 12 W	17 0	659.76	49.12 N	96.29 W	108.07	0.84
701	N 58 25 W	17 55	688.83	53.79 N	104.15 W	117.18	1.04
732	N 63 43 W	18 35	717.78	58.40 N	112.50 W	126.71	1.76
762	N 66 10 W	17 45	746.74	62.43 N	121.10 W	136.21	1.11
792	N 65 54 W	17 42	775.78	66.20 N	129.58 W	145.48	0.09
823	N 67 13 W	16 55	804.88	69.81 N	137.90 W	154.54	0.86
853	N 65 19 W	17 30	833.99	73.44 N	146.15 W	163.55	0.80
884	N 71 16 W	17 7	863.09	76.79 N	154.56 W	172.58	1.78
908	N 71 39 W	17 10	886.39	79.08 N	161.37 W	179.70	0.16

THE DOGLEG SEVERITY IS IN DEGREES PER 30 METRES.
THE VERTICAL SECTION WAS COMPUTED ALONG N 63 54 W

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 179.70 METRES, IN THE DIRECTION OF N 63 54 W

CYPRUS ANVIL MINING CORPORATION

80-X-02 DY DEPOSIT



sperry-sun
OF CANADA LTD.

DRWG BY: *PSW*

CHKD BY: *ADG*

DATE April 21/80

CYPRUS ANVIL MINING CORPORATION
80-X-02 DY DEPOSIT

LRG1.75-E-319
19800418

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 83 1 W	2 14	30.47	0.07 N	0.60 W	-0.08	2.20
61	N 86 38 W	4 35	60.90	0.22 N	2.40 W	-0.41	2.32
91	N 80 46 W	7 30	91.20	0.61 N	5.58 W	-0.86	2.93
122	N 84 41 W	9 32	121.35	1.16 N	10.06 W	-1.48	2.08
151	N 87 13 W	10 2	150.40	1.51 N	15.06 W	-2.44	0.67
183	N 89 18 W	11 7	181.34	1.68 N	20.83 W	-3.77	1.09
213	N 87 46 W	10 10	211.30	1.82 N	26.46 W	-5.09	0.98
244	N 83 1 W	8 40	241.37	2.21 N	31.43 W	-6.00	1.66
274	N 76 16 W	7 27	271.55	2.95 N	35.62 W	-6.36	1.51
305	N 64 31 W	6 53	301.79	4.21 N	39.19 W	-6.08	1.54
335	N 65 18 W	7 45	332.02	5.85 N	42.71 W	-5.40	0.86
366	N 62 29 W	9 3	362.17	7.82 N	46.70 W	-4.53	1.34
396	N 52 14 W	9 27	392.26	10.46 N	50.81 W	-3.04	1.67
427	N 49 28 W	10 27	422.28	13.79 N	54.89 W	-0.88	1.09
457	N 51 16 W	12 20	452.16	17.62 N	59.53 W	1.62	1.89
488	N 47 14 W	12 12	481.94	21.85 N	64.43 W	4.43	0.85
518	N 43 17 W	10 45	511.81	26.10 N	68.74 W	7.42	1.62
549	N 40 34 W	12 30	541.66	30.68 N	72.84 W	10.78	1.80
579	N 43 28 W	12 30	571.42	35.58 N	77.25 W	14.37	0.62
610	N 48 44 W	13 50	601.10	40.38 N	82.26 W	17.71	1.76
640	N 60 55 W	16 10	630.55	44.84 N	88.71 W	20.36	3.85
671	N 60 12 W	17 0	659.76	49.12 N	96.29 W	22.53	0.84
701	N 58 25 W	17 55	688.83	53.79 N	104.15 W	25.00	1.04
732	N 63 43 W	18 35	717.78	58.40 N	112.50 W	27.29	1.76
762	N 66 10 W	17 45	746.74	62.43 N	121.10 W	28.96	1.11
792	N 65 54 W	17 42	775.78	66.20 N	129.58 W	30.40	0.09
823	N 67 13 W	16 55	804.88	69.81 N	137.90 W	31.74	0.86
853	N 65 19 W	17 30	833.99	73.44 N	146.15 W	33.11	0.80
884	N 71 16 W	17 7	863.09	76.79 N	154.56 W	34.17	1.78
908	N 71 39 W	17 10	886.39	79.08 N	161.37 W	34.62	0.16

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 179.70 METRES, IN THE DIRECTION OF N 63 54 W