



52F07NE0046 26 BOYER LAKE

DIAMOND DRILLING

Area: Boyer Lake

Report No: 26

WORK PERFORMED FOR: Cochrane Oil & Gas Ltd.

RECORDED HOLDER: SAME AS ABOVE []

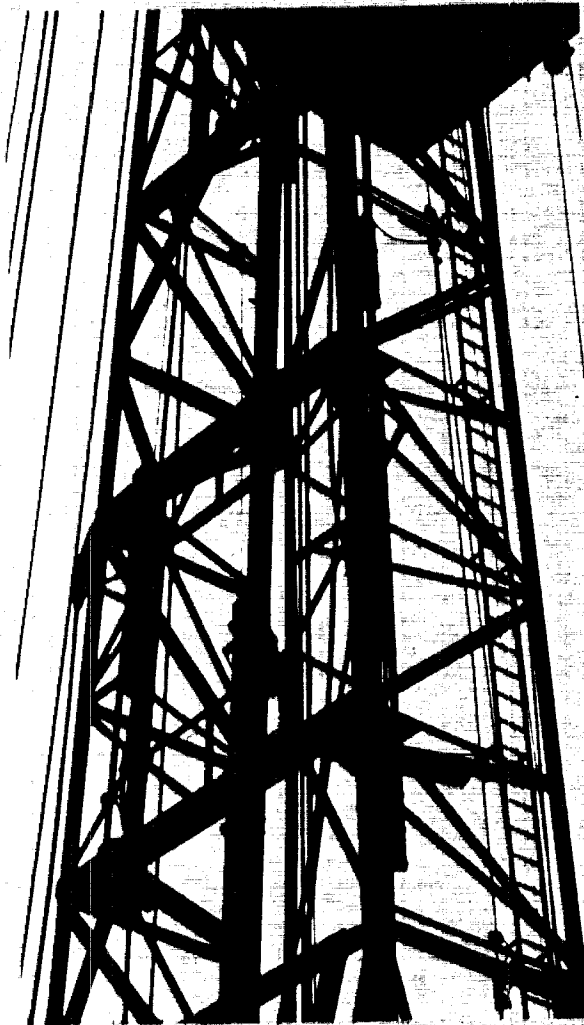
; OTHER []

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
K 687462	G-84-1	140'	Feb-March/84	(1)
	G-84-2	190'	" "	(1)
K351463	G-84-3	340'	" "	(1)
K687471	G-84-4	200'	" "	(1)
	G-84-5	245'	" "	(1)
K687468	G-84-6	321'	" "	(1)
	G-84-7	94'	" "	(1)
K 687471	G-84-8	376'	" "	(1)
K 687468	G-84-9	264'	" "	(1)
K 687462	G-84-10	35.5'	" "	(1)

2195'

NOTES:(1) #37-87(filed in June/87)

. - The specific dates of the drilling are not given but early winter drilling in 1984 is mentioned in the report.



COCHRANE OIL & GAS LTD.

ADDENDUM
MANITOU LAKES PROJECT
1984 WINTER EXPLORATION PROGRAM
GEOPHYSICS AND DRILLING

ADDENDUM
MANITOU LAKES PROJECT
1984 WINTER EXPLORATION PROGRAM
GEOPHYSICS AND DRILLING

FOR

COCHRANE OIL & GAS LTD.

BY

GARY A. NOLIN, P. GEOL.
TREVOR DUNDAS, P. GEOPH.
M. FOX, P. GEOL.

NTS 52F-7

NOLIN GEO ENTERPRISES LTD.
1984

INDEX

INTRODUCTION 1.
GEOCHEMICAL FOLLOW PROGRAM 2.
1984 WINTER GEOPHYSICAL PROGRAM 3.
GIANT MINES GRID 4.
GOLD ROCK EXTENSION GRID 5.
QUEEN ALEXANDER MINES GRID 6.
GLASS REEF MINE GRID 7.
RECONNAISSANCE DRILLING PROGRAM 8.
RECONNAISSANCE DRILLING PROGRAM CONT. 9.
DRILL HOLE DATE (NORTH BLOCK) 10.
LEULLIER ISLAND (DRILL HOLES LI-84-1 to LI-84-3 . . . 11.
GOLD ISLAND AREA 12.
WEST MOSHER BAY AREA DRILL HOLES MB84-1 & MB84-2 . . . 13.
MANITOU STRAITS AREA DRILL HOLES QA-84-1 & QA84-2 . . 14
DRILL HOLES QA 84-3 and QA84-4 15.
CARLETON LAKE AREA DRILL HOLES CL-84-1 & CL84-2 . . . 16.
DRILL HOLE MC -84-1 17.
BEAVERHEAD ISLAND AREA (GLASS REEF CLAIM GROUP . . . 18.
GLASS REEF CLAIM GROUP 19.
GIANT DRILLING PROGRAM (1984) GEOLOGY & DRILL. . . . 20.
CONCLUSION 21.

*Not in Guidebook
1985 Report
H*

1. INTRODUCTION

In order to follow up. and further define anomalies found by the Summer Fall 1983 Exploration Program and to explore favourable areas not covered by the Summer Exploration and to hold ground a Winter Program of geophysics and drilling was conducted. The drill program was divided into two parts. A total of ten holes totalling 2195 ft. were drilled to do detailed exploration on geological geochemical and geophysical targets in the Giant claim block, as well as a program of fifteen predominately short reconnaissance drill holes totalling 2337.5 ' to hold ground, to evaluate geophysical and geochemical anomalies, as well as to obtain more geological information.

As approximately only half of the 1278 soil samples collected over the summer were analyzed, all remaining samples were analyzed prior to designing the winter field program.

Four additional claims were staked between the Gold Rock Extension Block and the Leuiller Island Block to facilitate grouping and to cover a geophysical anomaly near Gold Island.

2. GEOCHEMICAL FOLLOW PROGRAM

To better define and evaluate anomalous areas, all remaining samples were sent to Barringer Magenta Limited Labs, in Calgary for their "Gold Print" analysis by atomic absorbtion spectrophotometry.

New maps were generated and the revised maps substituted into the Summer Fall Report. The addition infill analysis results are included as Appendix 1 to the Addendum.

WINTER 1984 GEOLOGY AND DRILL PROGRAM

20. GIANT DRILLING PROGRAM

Nine BQ diameter drill holes (1 7/8" core) totalling 2160' and one IEX(35') hole were drilled in two separate areas of the Giant Property. Holes G-84-1 (140'), G-84-2 (190'), and G-84-3 (330') and G-84-10 (35') were drilled at the east end of the Giant claim group in an area about 300 m southwest of the mouth of Rattlesnake Creek near an old shaft and a number of trenches and open cuts that constituted some of the original workings of the Giant property. Channel sampling in these trenches returned values of between .508 and .599 oz/ton AU and averaged .32 oz/ton over 12'. Holes G-84-4 to G-84-9 inclusive, were drilled in an area several hundred meters further west in the vicinity of another shaft and series of trenches and open cuts which were also part of the original Grant workings. Grab samples from these trenches returned values ranging to .115 oz/ton. Holes G-84-1 to G-84-6, inclusive, and G-84-8 were drilled to test the grade and continuity of the gold-quartz vein systems explored by the original workings. Holes G-84-7 and G-84-9 were drilled to test the gold potential of an iron formation and other sediments on targets outlined by geophysical and geochemical surveying.

Holes G-88-1, G-84-2, G-84-3 and G-84-10 (IEX diameter hole) intersected a quartz stringer zone developed along the contact between a massively bedded siltstone unit and a graphic sericite-quartz schist unit. The stringer zone is hosted by both the schist and siltstone units. Quartz occurs as patches, stringers, veins, lenses and open space fillings in orientations subparallel to the strike of the host formations and attitude of schistosity. Open space development appears to have been controlled by tensional dilation within the shear Page 2

WINTER 1984 GEOLOGY AND DRILL PROGRAM

Page 2

zone along the contact of two units of differing competency. Quartz veining is generally weak and vein widths are inconsistent along the zone. Although the above structural controls were apparently unfavourable for the formation of one continuous vein. The combined widths and grades of the high grade gold quartz lenses and low grade wall rock may constitute an overall economic grade and tonnage. Further evaluation of the mineralized zone should include detailed geochemical analysis of the wall rocks.

In the vicinity of the 'West' Giant workings, holes G-84-4 (200') and G-84-5 (245') both intersected a similar quartz stringer zone developed along the contact of a competent quartz porphyry footwall unit and a comparatively incompetent quartz-sericite-chlorite schist hanging wall unit. Two narrow quartz veins were intersected at the same contact in hole G-84-8 (316') although in this hole the wall rock is a brecciated quartz-sericite schist situated a few meters above the quartz porphyry contact and quartz stringers are not as abundant as in holes G-84-4 and G-84-5. No such stringer zone or large quartz vein was intersected in hole G-84-6 (321') which was a step-out hole approximately 100 m to the east. In this hole, the quartz porphyry footwall had thinned to less than 1' in thickness, suggesting that the competent footwall unit was structurally important in the development of the quartz stringer zone and quartz veins.

The quartz sericite schist consistently runs between traces and .01oz per ton of gold, and may be a horizon capable of hosting a Hemlo type deposit.

The quartz porphyry itself has the potential for hosting a large tonnage low grade stockwork type deposit. The porphyry has been shattered and brecciated and hosts a microstockwork of quartz - pyrite stringers. Pyrite constitutes 4 - 10% of the rock by volume. AU drill note intersections of the quartz, porphyry, and quartz sericite schist should be geochemically analyzed for AU over 1m sample intervals

Drill holes G-84-7 (94') and G-84-9 (264') were sited to test a geophysically indicated magnetite iron formation. In the Beardmore Geraldton greenstone belt in Ontario, similar iron formation has formed a competent host for vein and stockwork gold mineralization and in the McLeod-Gockshutt and Hardrock deposits, structurally controlled replacement of ferruginous metasediments by auriferous pyrite was a key ore-forming process.* In hole G-84-6 (which tested both the magnetite formation and quartz porphyry contact) a 37' thick zone of brecciated magnetite iron formation hosts a "substockwork" density of quartz-pyrite stringers.

Several similar magnetite zones, interbedded with quartzose Wacke and sericite-chlorite-quartz schist were intersected in holes G-84-7 and G-84-9.

*References: (McDonald A.J. 1983 and Mason, J.K. and McDonall C.D. 1983. in the "Geology of Gold in Ontario.")

21. CONCLUSION

The geology of this large property varies considerably, and has the potential to host several types of deposits as described in preceding sections. The numerous shows and deposits in the area contain high Au grades and the exploration and drilling to date, indicate that the area has the potential to host a Hemlo type deposit in the volcanic and sedimentary rocks in the belt along the Manitou Straits Fault.

On the Giant the Quartz Porphyry Flow and the Quartz Sericite Schist both appear to have anomalously high Au values and the hanging wall stratigraphic position of the magnetite iron formation intersected in the Giant property drill holes, appears to correlate regionally with a magnetite iron formation mapped at Beaverhead Island (Lower Manitou Lake). The Reconnaissance IEX diameter (Winkie) drilling at the west end of Mosher Bay and at Beaverhead Island indicates that stratabound massive and banded sulphide deposits occur at the same general stratigraphic level. Evidently distal type volcanic exhalative activity resulted in the precipitation of iron sulphide and iron oxide facies chemical sediments on a regional scale. In this setting there is high potential for the development of "Hemlo" type stratabound gold mineralization. The metasediments in the Manitou Lakes belt are probably very tightly isoclinally folded in a complex syncline and any repetition the favorable strata on the opposing limb of the syncline would be a good exploration target.

Further drill evaluation of the "Hemlo" potential of the Manitou Lakes belt should be based upon the results of a carefully carried out detailed rock geochemical sampling program, combined with geological mapping. Areas with high Au values related to the Hemlo, vein or other types of depositional models will warrant further geological evaluation and possible drilling.

All pulps from the selection of samples (200) fire assayed during the drilling program should be analyzed for Au by geochemistry with 5 ppb accuracy and the results used in a geochemical interpretation of results.

All the core taken during the winter program should be systematically geochemically, analyzed in one meter sections, and the results used in the continuing interpretation of the geology and geochemistry of this area, the economic merit of several of the prospect areas as well as the detailed design of the Summer's Exploration Program.

APPENDIX I

APPENDIX 111

DRILL STRIP LOGS

DIAMOND D. ILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-1

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 180° ULTIMATE DEPTH 140'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 10.0	OVERBURDEN					
10.0 to 50.0 (3.04 to 15.24)	SHEARED GRAPHIC SERICITE SCHIST -10' to 18' strongly oxidized, broken -light to medium grey, fine grained thinly banded (0.01" to 0.4") strongly sheared and occasionally brecciated sericite schist; darker bands contain mostly graphite -metamorphic foliation is approximately at 45° to the DDH axis					
50.0 to 59.5 (15.24 to 18.14)	QUARTZ STRINGER ZONE -patches stringers and open space fillings of white to grey quartz; -quartz bands, lenses, stringers, etc. constitute approximately 20% by volume of the zone in a fractured metasedimentary hostrock -pyrite occurs as very fine grained "dustings" and larger patches along hairline fractures in quartz and meta-sediments but constitutes less than 0.5%, overall, of the zones	PYRITE	0.0 to 0.5	50-51 52-54 54-56 56-58 58-59.5	1' 2' 2' 2' 1.5'	
59.5 to 140.0 (18.14 to 42.68)	SILTSTONE (QUARTZ-BIOTITE SCHIST) -light to medium grey, fine grained siltstone occasionally grading into slightly coarser grained lighter colored bands, minor pyrite on hairline fractured -compositional layering is quite indistinct varying from 40 to 60°	PYRITE	0.0 to 0.1			

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 RESEARCH OFFICE


MAR 3 1987

RECEIVED

LF C-1296

DRILLED BY _____

SIGNED _____



DIAMOND D'ILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-1

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 180°

ULTIMATE DEPTH 140'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET (continued)	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
<u>57.0 to 140.0</u> <u>59.5</u>	angle of intersection with the DDN axis -metamorphic foliation is only weakly developed as indistinct alignment of very fine grained discrete mific grains (biotite?) in a more leucocratic matrix overall, the rock is massively bedded and horadgenous -105.75 to 106.0: 3" quartz vein -120.1 to 120.8: 8" quartz vein, minor pyrite -137.0 to 138.0: 12" quartz vein					
				105.75 to 106.0	3"	
				120.1 to 120.8	8"	
				137.0 to 138.0	12"	

DRILLED BY

SIGNED

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-2

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 180° ULTIMATE DEPTH 190'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 8.0	OVERBURDEN					
8.0 to 67.0 (2.44 to 20.43)	<p>SHEARED GRAPHITIC SERICITE SCHIST</p> <p>-8' to 28' strongly oxidized, broken</p> <p>-light to medium grey, fine grained thinly banded (0.01" to 0.5") strongly sheared and sometimes brecciated sericite schist, darker bands contain mostly graphite</p> <p>-foliation is at approximately 45° to the DDH axis; some dragfolding apparent</p>					
67.0 to 83.0 (20.43 to 25.3)	<p>QUARTZ - PYRITE STRINGER ZONE</p> <p>-patches, occasional stringers, bands, lenses, and open space fillings of quartz mineralized with pyrite; quartz constitutes only 5% by volume of the zone; stringers continue to occur below 83.0' but at less frequent intervals and with lesser pyrite</p> <p>-pyrite occurs as very fine grained dustings and patches along quartz bands and hairline stringers and as larger blebs in quartz stringers</p> <p>-quartz stringers range from 0.1" to 1" in thickness and cut this drill core at random angles</p> <p>-host rock is a hybrid zone between the sheared sericite schist (8.0 to 67.0) and a more assively bedded metasediment described below</p>	PYRITE	0.1 to 1.5	67-69	2'	
				69-71	2'	
				71-73	2'	
				73-75	2'	
				75-77	2'	
				77-79	2'	
				79-81	2'	
				81-83	2'	

LF C-1296

DRILLED BY _____

SIGNED 

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-2

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 180°

ULTIMATE DEPTH 190'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
83.0 to 125.5 (25.3 to 38.26)	SILTSTONE (QUARTZ BIOTITE SCHIST) -light to medium grey fine grained siltstone occasionally grading into slightly coarser grained, mfor leucocratic bands; compositional layering is indistinct, varying from a 40° to 50° angle of intersection with the DDH axis; core tends to break along thin graphitic partings -pyrite occurs as fine grained "dustins", specks and patches along hairline fractures and constitutes an estimated 0.5% of the rock by volume	PYRITE	0.5			
125.5 to 129.0 (38.26 to 39.33)	MAFIC TUFF (CHLORITIC BIOTITE SCHIST) medium greyish green, fine grained banded tuff; concordant with underlying and overlying sediments; compositional layering at approximately 45° to DDH axis; thin (0.05" to 0.3") quartz bands (one every 6" on the average) carrying a little pyrite	PYRITE	0.25			
129.0 to 190.0 (35.33 to 57.93)	SILTSTONE (QUARTZ BIOTITE SCHIST) -similar to 83.0 to 125.5 section -massively bedded, weakly developed foliation	PYRITE	0.25 to 0.50			

LF C-1296

DRILLED BY _____

SIGNED 

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-3

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 360°

ULTIMATE DEPTH 340'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 0.5	OVERBURDEN					
0.5 to 215 (65.5)	SILTSTONE -dark grey, fine grained siltstone, occasional sandy layers -compositional layering at 45° to DDH axis -0.5 to 1.0% fine grained pyrite as dustins and blebs on graphitic partings -80.0 to 85.0: grades into dark greyish green siltstone -90.0 to 95.0: grades into dark greenish black siltstone -115.0 to 120.0: grades into a medium to dark green siltstone with compolsitional layering at 35° to 40° to DDH axis -188 to 202: quartz stringer zone -193.25 to 193.5: 4" quartz vein -198.0 to 198.5: 6" quartz vein -199.5 to 200.5: 12" quartz vein	PYRITE	0.5 to 1.0			
215.0 to 340.0 (65.5 to 103.66)	QUARTZ - SERICITE SCHIST -greyish green, fine grained schist thin (0.05" to 0.5") light grey quartz bands interlaminated with thin (0.01" to 0.3") waxy yellowish green sericite bands; foliation 40° to DDH axis -288.0 to 320.0: intensely sheared, much drafgolding schistosity sometime parallel to DDH for several inches at a time					
END OF HOLE	-288.0 to 320.0:					

LF C-1286

DRILLED BY _____

SIGNED _____

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-4

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 144° ULTIMATE DEPTH 200'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 44.0	OVERBURDEN					
44 to 92.0 (13.41 to 28.05)	QUARTZ-SERICITE SCHIST -fine grained greenish grey banded quartz sericite schist foliation intersects DDH axis at 60° angle -1 to 4% extremely fine grained to very fine grained pyrite in indistinct bands accompanying light grey quartz bands	PYRITE	1.0 to 4.0			
92.0 to 104.0 (28.04 to 31.71)	SERICITE SCHIST dark grey to medium grey fine grained sericite schist foliation at 60° to DDH axis subordinate quartz banding					
104.0 to 122.0 (31.71 to 37.2)	QUARTZ-SERICITE SCHIST -fine grained, thinly banded (0.05" to 0.3") layers of cryptocrystalline to very fine grained white to greyish green silica and quartz, interlaminated with subordinate (10 to 30%) thin bands of "waxy" greenish yellow sericite -foliation at approximately 60° to DDH axis -approximately 5 to 8% extremely fine grained to very fine grained pyrite in indistinct bands within white to light grey quartz bands -116.0 to 118.0 softer zone; 50 to 60% sericite -118 to 122	PYRITE	4.0 to 8.0			

LF C-1296

DRILLED BY _____

SIGNED 

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-4

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 144° ULTIMATE DEPTH 200'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
122.0 to 131.0	QUARTZ-CALCITE STRINGER ZONE	PYRITE	0.5-1.5			
(37.2 to 39.94)	numerous quartz - calcite stringers and veinlets 0.2" to 0.8" thick cutting quartz - sericite schist subparallel to metamorphic foliation and also intersecting the DDH axis at a 20 to 30° angle scattered blebs of pyrite and occasional blebs of chalcopyrite in quartz stringer and veinlets	CHALCOPYRITE	0.5			
131.0 to 155.0	QUARTZ PORPHYRY FLOW	PYRITE	4.0 to 8.0			
(39.94 to 47.35)	leucocratic, white to light grey, fractured and occasionally brecciated; with subangular to subrounded fine to coarse grained (0.1" to 0.4" diameter) quartz crystals and fragments with indistinct grain boundaries scattered through a vaguely banded (flow banding?) greyish green leucocratic aphanitic to very fine grained groundmass approximately 4 to 8% extremely fine grained to very fine grained pyrite as disseminations and along numerous hairline fractures filled with white quartz overall, the rock is not foliated and is very competent, and highly fractured					
155.0 to 156.5	SHEAR ZONE (QTX.-SER.-CHLOR. SCHIST)	PYRITE	2.0 to 4.0			
(47.25 to 47.70)	thinly laminated green and grey chlorite and quartz layers foliation at 60 to 80° to					

LF C-1296

DRILLED BY _____

SIGNED 

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-4

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 144° ULTIMATE DEPTH 200'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
156.5 to 159.5 (47.7 to 48.63)	QUARTZ PORPHYRY FLOW similar to 131.0 to 155.0 but with a more poorly defined texture; more strongly sheared and banded 4 to 8% very fine grained disseminated pyrite, also fine grained pyrite concentrated along hairline, quartz filled fractures	PYRITE	4.0 to 8.0			
159.5 to 162.5 (48.63 to 49.54)	QUARTZ VEIN coarse grained white quartz with occasional cavity fillings of calcite and an unidentified soft brown mineral (possible siderite) a few specks of very fine grained pyrite in carbonate filled cavities	PYRITE	0.1			
162.5 to 171.0 (49.54 to 52.13)	SHEAR ZONE (QTZ-CHLOR-SER SCHIST) similar to 155.0 to 156.5 foliation at 60 to 90° to DDH axis 167 to 171: very strongly chloritized; occasional narrow bands of very fine grained disseminated pyrite some later dark grey hairline quartz veinlets cross-cutting qtz-chlor-ser. banding	PYRITE	2.0 to 4.0			
171.0 to 180.0 (52.13 to 54.33)	QUARTZ PORPHYRY FLOW similar to 131.0 to 155.0; 4 to 5% XFG Diss. pyrite 177 to 179: quartz stringers	PYRITE	4.0 to 5.0			

LF C-1226

DRILLED BY _____

SIGNED

DIAMOND DRILL RECORD

PROPERTY GAINT UPPER MANITOU LAKE HOLE NO. G 84-4

SHEET NUMBER _____ SECTION FROM _____ TO _____ STARTED _____
 LATITUDE 52-F-7 DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 144° AZ ULTIMATE DEPTH 200'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
180.0 to 192.0	CONGLOMERATE BLACK CHERT AND PINKISH BROWN QUARTZ PORPHYRY AND HONRBLLENDE PORPHYRY PEBBLES AND COBBLES IN A DARK GREEN FINE GRAINED CHLORITIC MATRIX; MATRIC AND COBBLES ARE VARIABLY PYRITIZED WITH 1% - 3% VERY FINE GRAINED DISSEMINATED PYRITE	PYRITE	1.0 to 3.0			
192.0 to 199.0	SHEAR ZONE(QUARTZ - CHLORITE SCHIST) - THINLY LAMINATED BAND OF DARK GREEN CHLORITE AND WHITE QUARTZ - 0.75" QUARTZ STRINGER AT 193.5 - PA.5 - 195.5 ZONE OF THIN QUARTZ STRINGERS AND BRECCIATED SCHIST	PYRITE	0.5 to 3.0			
199.0 to 200.0	CONGLOMERATE - SIMILAR TO 180.0 - 192.0	PYRITE	0.5 to 2.0			

17 C-1226

DRILLED BY DRILLCOR

SIGNED M. FOX



DIAMOND DRILL RECORD

PROPERTY GAINT UPPER MANITOU LAKE HOLE NO. G- 84 - 5

SHEET NUMBER _____ SECTION FROM _____ TO _____ STARTED _____
 LATITUDE 52 - F - 7 DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 142° ULTIMATE DEPTH 245'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 38.0	OVERBURDEN					
38.0 to 90.0	QUARTZ-SERICITE SCHIST FINE GRAINED GREENISH GREY, THINLY BANDED QUARTZ SERICITE SCHIST FOLIATION INTERSECTS DDH AKIS AT 50° - 60° ANGLE. 1% - 4% VERY FINE GRAINED DISSEMINATED PYRITE IN INDISTINCT BANDS OCCURING WITHIN QUARTZ BANDS - 65.0 - 68.0 MAINLY QUARTZ, ONLY 10% - 20% SERICITE BANDING. 87.0 - 90.0 TRANSITION INTO CHLORATE SERICITE QUARTZ SCHIST	PYRITE	1% to 3%			
90.0 to 96.0	CHLORITE - SERICITE QUARTZ SCHIST THINLY LAMINATED ALTERNATING BANDS OF DARK GREEN CHLORITE GREY TO "WAXY" GREENISH YELLOW SERICITE AND WHITE TO LIGHT GREY SILICA. 1 - 3 % PYRITE, VERY FINE GRAINED, DISSEMINATED, AND IN INDISTINCT BANDS	PYRITE	1.0 to 3.0			
96.0 to 97.0	QUARTZ - SERICITE SCHIST SIMILAR TO 38.0 - 90.0 CHLORITIC BANDING ABSENT	PYRITE	1.0 to 3.0			
97.0 to 99.0	CHLORITE SERICITE - QUARTZ SCHIST SIMILAR TO 90.0 - 96.0	PYRITE	1.0 to 3.0			

LF C-1296

DRILLED BY DRILLCOR

SIGNED M. FOX

DIAMOND DRILL RECORD

PROPERTY GIANT UPPER MAINTOU LAKE HOLE NO. G-84-5

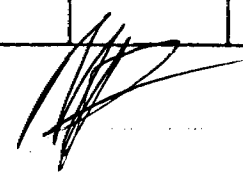
SHEET NUMBER _____ SECTION FROM _____ TO _____ STARTED _____
 LATITUDE 52-F-7 DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 245'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
99.0 to 104.0	QUARTZ-SERICITE SCHIST SIMILAR TO 38.0 - 90.0 and 96.0 - 97.0 CHLORITIC BANDING ABSENT	PYRITE	1.0 to 3.0			
104.0 to 120.5	CHLORITE QUARTZ SERICITE SCHIST - SIMILAR TO 90.0 - 96.0 and 97.0 - 99.0	PYRITE	1.0 to 3.0			
120.5 to 121.5	CHLORITE QUARTZ SCHIST - SIMILAR TO 104.0 - 120.5 - ALTERED WALLROCK ADJACENT TO QUARTZ VEIN	PYRITE	2.0 to 3.0			
121.5 to 129.0	QUARTZ STRINGER ZONE - QUARTZ STRINGERS AND VEINLETS 1.0" - 3.0" THICK CUTTING CORE AT RANDOM ANGLES - THIN CALCITE SELVAGES (0.1" - 0.3" THICK) - MINOR (0.25%) SPECKS OF PYRITE IN VEINS	PYRITE (in qtz stringers)	0.25			
129.0 to 141.0	QUARTZ CHLORITE -SERICITE SCHIST - STRONGLY SHEARED CHLORITIC ZONE ADJACENT TO QUARTZ STRINGER ZONE - 20% - 60% CHLORITIC BANDING IN THINLY LAMINATED SCHIST	PYRITE	1.0 to 3.0			
141.0 to 155.0	QUARTZ PORPHYRY FLOW LEUCOCRATIC WHITE TO LIGHT GREY FRACTURED	PYRITE	4.0 to 8.0			

LF C-1296

DRILLED BY DRILLCOR

SIGNED M. FOX



DIAMOND DRILL RECORD

PROPERTY GIANT UPPER MANITOU LAKE HOLE NO. G-84-5

SHEET NUMBER _____ SECTION FROM _____ TO _____ STARTED _____
 LATITUDE 52-F-7 DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 245'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
143.0 to 155.0	- WHITE SUBANGULAR TO SUBROUNDED FINE TO COARSE GRAINED (0.1" - 0.4") QUARTZ CRYSTALS AND CRYSTAL FRAGMENTS WITH INDISTINCT GRAIN BOUNDARIES SCATTERED THROUGH A VAGUELY BANDED (FLOR BANDING?) GREYISH-GREEN LEUCOCRATIC, APHANTIC TO VERY FINE-GRAINED GROUNDMASS. - APPROXIMATELY 4% - 8% EXTREMELY FINE GRAINED TO VERY FINE GRAINED PYRITE AS DISSEMINATIONS AND ALONG NUMEROUS HAIRLINE FRACTURES FILLED WITH WHITE QUARTZ - UNFOLIATED AND HIGHLY FRACTURED;	PYRITE	4.0 to 8.0			
155.0 to 165.0	QUARTZ - CHLORITE - SERICITE SCHIST - SIMILAR TO 129.0 - 141.0 - 160.0 - 165.0 SOME PINKISH-BROWN CHERTY BANDS, LENSES LAYERS	PYRITE	1.0			
165.0 to 173.0	QUARTZ - SERICITE SCHIST - SIMILAR TO 38.0 - 90.0, 96.0 - 97.0 and 99.0 to 104.0 - 168.5 - 169.5: SOME CHLORITIC BANDING					
173.0 to 184.5	QUARTZ PORPHYRY FLOW - SIMILAR TO 141.0 - 155.0 - 2% - 3% VERY FINE-GRAINED DISSEMINATED PYRITE IN INDISTINCT NARROW BANDS - 173.0 - 174.0: CHILLED GLASSY FLOWTOP (LIGHT GREY, CRYPTOCRYSTALLINE)	PYRITE	2.0 to 8.0			

LF C-1296

DRILLED BY DRILLCOR

SIGNED M. FOX



DIAMOND DRILL RECORD

PROPERTY GIANT-UPPER MANITOU LAKE HOLE NO. G-84-5

SHEET NUMBER _____ SECTION FROM _____ TO _____ STARTED _____
 LATITUDE 52 - F - 7 DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH 245'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
184.5 to 192.0	CHLORITE - QUARTZ - SERICITE SCHIST	PYRITE	1.0			
	- SIMILAR TO 155.0 - 165.0 EXCEPT FOR HIGHER PERCENTAGE OF CHLORITIC BANDING					
192.0 to 245.0	CONGLOMERATE	PYRITE	0.5 to 3.0			
	BLACK CHERT AND PINKISH-BROWN QUARTZ PORPHYRY AND HORNBLende PORPHYRY PEBBLES AND COBBLES IN A DARK GREEN FINE-GRAINED CHLORITIC MATRIX: COBBLES AND MATRIX ARE VARIABLY PYRITIZED WITH 0.5 - 3.0% FINE GRAINED DISSEMINATED PYRITE					

LF C-1296

DRILLED BY DRILLCOR

SIGNED M. FOX

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-6

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 148°

ULTIMATE DEPTH 321'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 6.0	OVERBURDEN					
6.0 to 28.0	QUARTZOSE WACKE	PYRITE	2.0 to 3.0			
and 30.0 to 73.0	-massively bedded, unfoliated, very fine grained light green quartzose wacke -extensively fractured and veined by quartz stringers and veinlets ranging from .01 - 1.0" in thickness (averaging .05") -10 to 40% very fine grained clear quartz grains .02" in diameter in a pale yellowish green to light greyish-green extremely fine grained sericite (?) matrix -fracturing and stringer development is very extensive to the point where the zone is verging on being a stockwork; most stringers and fractures cut DDH axis at 60° to 65° -2 to 3% fine grained pyrite accompanies later quartz-filled fractures and stringers, occurring as crustiform bands and disseminations, probably controlled by microfractures.					
28.0 to 30.0	FAULT strongly chloritized "retrograde" zone with abundant hematite along fractures as secondary coatings; pyrite and hematite coexist in sections where pyrite is not oxidized to limonite; most of the hematite is probably derived from surficial weathering of pyrite					

LF C-1206

DRILLED BY _____

SIGNED 

DIAMOND DRILL RECORD

PROPERTY GIANT UPPER MANITOU LAKE

HOLE NO. G-86-6

SHEET NUMBER NTS 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 148°

ULTIMATE DEPTH 321'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
30.0 to 73.0	QUARTZOSE WACKE similar to 6.0 to 28.0; 71-73: strongly sheared sericite schist	PYRITE	2.0 to 3.0			
73.0 to 110.0	MAGNETITE IRON FORMATION BRECCIA coarse angular fragments and broken bands of black fine-grained magnetite in a sheared, broken and banded sericite-quartz schist matrix resembling quartzose wacke (see description for 6-73) "sub-stockwork" density of fracturing filled with later quartz-pyrite stringers total magnetite: 25% plus 3 to 5% pyrite in later quartz stringers Note: core recovery, 71-81: 7' core recovery, 101-110: 8'	PYRITE	3.0 to 5.0			
110.0 to 115.0	QUARTZOSE WACKE similar to 6.0 to 28.0 and 30-73 no hematite 5 to 10% fine grained pyrite along later "sub-stockwork" quartz stringers	PYRITE	5.0 to 10.0			
115.0 to 124.0	FAULT 115 to 117: fault breccia; fragments of lithic wacke and quartz-pyrite stringers, broken and rotated in a chloritic brecciated matrix 117 to 121: chlorite-quartz-sericite-pyrite gouge 30% lithic wacke fragments					

LF C-1296

DRILLED BY _____

SIGNED 

DIAMOND D T.L. RECORD

PROPERTY GIANT, UPPPER MANITOU LAKE

HOLE NO. G-84-6

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 148°

ULTIMATE DEPTH 321'

ELEVATION _____

DIP -45°

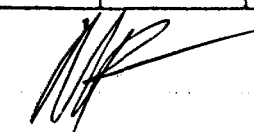
PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
(continued) 115 to 124	121 to 124: dragfolded and sheared sericite-quartz schist; abundant quartz augen in greenish-grey to yellowish green bands of quartz and sericite					
124.0 to 149.0	QUARTZ-SERICITE SCHIST -thinly interlaminated bands of light grey to greyish green quartz and yellowish-green sericite, abundant quartz augen throughout (quartz porphyry fregmentals?) -foliation 70 to 75° to KKH axis 1 to 3% extremely fine grained disseminated pyrite and occasional more concentrated pyrite banding -128 to 129: a little hematite staining	PYRITE	1.0 to 3.0			
149.0 to 189.0	QUARTZ-SERICITE-CHLORITE SCHIST -similar to 124 to 149 but now with dark green chloritic laminae constituting 20 to 40% by volume 155 to 156.6: fracturing and dragfolding 160 to 161 : fracturing and dragfolding 165.5 to 167: fracturing and dragfolding 167.5 to 168.5: hematite staining 170.5 to 189: hematite staining overall foliation 70 to 75° to DDH axis	PYRITE	1.0 to 3.0			
189.0 to 208.0	BANDED CHERTY SILTSTONE dark greenish-grey thinly laminated unit composed of thin bands of dark siliceous to cherty silt, light grey quartz and subordinate	PYRITE	1.0 to 3.0			

BF C-1296

DRILLED BY _____

SIGNED _____



DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-6

SHEET NUMBER NTS 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 148°

ULTIMATE DEPTH 321'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
208.0 to 210.0	CHERT (CHILLED QUARTZ PORPHYRY?) leucocratic thinly banded, buff to grey	PYRITE	3.0 to			
210 to 210.3	-1 to 3: extremely fine grained disseminated pyrite QUARTZ PORPHYRY FLOW -banded, indistinctly porphyritic flow; similar to intersections in drill holes G-84-4, G-84-5 and G-84-8, but only 4" thick in DDH G-84-6 -5% extremely fine grained disseminated pyrite	PYRITE	5.0			
210.3 to 217.0	CHERT (CHILLED QUARTZ PORPHYRY?) -similar to 208 to 210; very siliceous, light buff to grey -215.5 to 216.5: similar to 210 to 210.3; verging on grading into a quartz porphyry flow, but texture is more banded than porphyritic	PYRITE	3.0 to			
217.0 to 231.0	QUARTZ-SERICITE-CHLORITE SCHIST -similar to 149 to 189	PYRITE	2.0 to			
231.0 to 231.5	CHERT (CHILLED QUARTZ PORPHYRY ?) -similar to 208 to 210 and 210.3 to 217	PYRITE	1.0 to 3.0			
231.5 to 234.5	QUARTZ-SERICITE-SHLORITE SCHIST -similar to 217 to 231	PYRITE	1.0 to 2.0			
234.5 to 236	CHERT -very siliceous, leucocratic, brecciated band similar to 231 to 231.5	PYRITE	3.0			

GF C-1296

DRILLED BY _____

SIGNED _____



DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-6

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 148° ULTIMATE DEPTH 321'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
236.0 to 239.5	QUARTZ-SERICITE-SHLORITE SCHIST -similar to 217 to 231 but grading into less schistose more siliceous unit					
239.5 to 261.0	CHLORITE-QUARTZ SCHIST -greenish-grey, thinly laminated, occasional cherty pebbles -foliation 70° to DDH axis -249.5 to 255: leucocratic, pinkish-grey "sandy" zone					
261.0 to 321.0	CONGLOMERATE -261 to 268.5: indistinct pinkish-brown porphyry clasts and cobbles in a dark green chlorite-quartz schist matrix -268.5 to 321: light greenish grey and pinkish brown porphyry comprise 15% heterolithic cobbles by volume in a chlorite-quartz schist matrix					
END OF HOLE						

LF C-1290

DRILLED BY _____

SIGNED 

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-7

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 152° ULTIMATE DEPTH 94'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 12.0	OVERBURDEN					
12.0 to 29.5	INTERBANDED MAGNETITE IRON FORMATION AND SERICITE-QUARTZ-CHLORITE SCHIST -thinly interlaminated bands of grey quartz, yellowish-green sericite, dark green chlorite, and black fine-grained magnetite; -magnetite bands constitute 15% of volume -foliation: 55° to 60° to DDH axis -1% fine grained pyrite in later crosscutting quartz stringers	PYRITE	1.0			
29.5 to 37.0	MAGNETITE IRON FORMATION -bed of massive, black, fine grained magnetite; well-freacured, but by stockwork of quartz and quartz-pyrite stringers -10 to 15% by volume brecciated red hematite occuring as angular, rotated fragments, and poorly defined thin, broken beds also cut and offset by later quartz stringer stockwork	PYRITE	2.8 to 3.8			
37.0 to 42.0	QUARTZOSE WACKE -massively bedded, indistinctly banded, fine-grained, light greyish-green; -extensively fractured and veined by quartz stringers averaging .05" in thickness					

LF C-1296

DRILLED BY _____

SIGNED

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-7

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 152°

ULTIMATE DEPTH 94'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
(continued) 37.5 to 42.0	-10 to 40% very fine grained clear quartz grains in a matrix of pale yellowish-green to light greyish green extremely fine grained sericite and chlorite -37.5: narrow magnetite hematite band 38.0: narrow magnetite hematite band					
42.0 to 44.5	MAGNETITE IRON FORMATION -similar to 29.5 to 37.0					
44.5 to 45.0	QUARTZOSE WACKE -similar to 37.0 to 42.0					
45.0 to 47.0	MAGNETITE IRON FORMATION -similar to 29.5 to 37.5 but with a little more (10%) quartz-chlorite banding or veining and 3 to 4% fine grained pyrite in later quartz-pyrite stringers	PYRITE	3.0 to 4.0			
47.0 to 58.0	INTERBANDED MAGNETITE IRON FORMATION AND SERICITE-QUARTZ-CHLORITE SCHIST -15% to 20% magnetite banding -similar to 12.0 to 29.5 -57.0 to 57.5: 15 to 20% fine grained pyrite occurring as sulphide banding					

LF C-1296

DRILLED BY _____

SIGNED 

DIAMOND DRILL RECORD

PROPERTY GIANT UPPER MANITOU LAKE

HOLE NO. G-84-7

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 152°

ULTIMATE DEPTH 94'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
58.0 to 68.0	MAGNETITE IRON FORMATION -well fractured to brecciated massive, black, fine grained magnetite -similar to 29.5 to 37.0 -66.0 to 68.0: strong pyrite banding (15 to 20% pyrite) associated with later quartz-pyrite stringers -67.0 to 68.0: black magnetite grading into leucocratic chert unit (see below)	PYRITE	10 to 20.0			
68.0 to 73.0	CHERT, SUBORDINATE MAGNETITE -cream to buff extremely fine grained banded cherty unit carrying 10% black, angular magnetite fragments -also a little quartz-sericite-chlorite schist -10 to 15% fine grained pyrite over this section occurring as sulphide bands	PYRITE	10.8 to			
73.0 to 94.0	QUARTZ-SERICITE SCHIST -thinly interbanded laminae of light grey quartz and yellowish-green sericite; quartz bands tend to be "augen-like" -foliation at 65° to DDH axis -73.0 to 87.0: schist is strongly sheared and broken along contact with chert unit					
END OF HOLE						

LF C-1296

DRILLED BY _____

SIGNED _____



DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-8

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 152°

ULTIMATE DEPTH 376'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 22.0	OVERBURDEN					
22.0 to 67.0	CHLORITE-SERICITE 20% - QUARTZ-SCHIST -subordinate sericite schist and chert bands - <u>main schist unit</u> is thinly laminated with dark green chlorite grey quartz and light yellowish-green sericite lamellae -sericite schist bands - 22 to 29; 39 to 45; 55 to 59; light grey thinly banded zones with approximately: 40% quartz, 40% sericite; and 20% chlorite; most of these zones have a high percentage of associated sulphides (see below): -sulphide banding: 35.5 to 36: 10% fine grained pyrite 38.5 to 42: approximately 10% banded pyrite 63.5 to 65: pyritic banding -chert banding: 35.5 to 37: light grey chert zones approximately 10% sericite partings pyrite banding: 35.5 to 36; 45 to 49: similar to above chert banding 47 to 48: 0.5" quartz stringer at 20° to DDH axis; crosscuts foliation -foliation: 22 to 67: 70° to DDH axis					
67.0 to 97.0	CHLORITE -SERICITE 20% - QUARTZ SCHIST -overall medium greyish-green color -dark green chloritic bands predominate over light grey quartz and yellowish green sericite bands; thinly interlaminated; subordinate sericite chlorite zones -sericite chlorite zones: 68.5 to 69; 78 to 78.5; light grey thinly banded zones similar to 22 to 28, 39 to 45 and 55 to 59 -phyritic banding: 69 to 70; 70.5 to 71, 72 to 73 pyrite 15%					

LF C-1296

DRILLED BY _____

SIGNED _____



DIAMOND DRILL RECORD

PROPERTY GIANT, UPPPER MANITOU LAKE

HOLE NO. G-84-8

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 152°

ULTIMATE DEPTH 376'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
(continued) 67.0 to 97.0	-74 to 76.5: a little shearing and dragfolding; foliation subparallel to DDH axis over short distances -foliation (67 to 97): 70° to DDH axis					
97.0 to 110.0	CHLORITE-QUARTZ SCHIST -subgneissic chlorite-quartz banding at 70° to DDH axis 60% dark green 0.2 to 0.4" chlorite bands with 30% light grey 0.1 to 0.3" quartz laminae; approximately 10% sericite partings; -97 to 98: a few lenses of vein quartz 0.3" thick					
110.0 to 122.0	CHLORITE SCHIST -massively bedded, weakly foliated dark green chloritic "groundmass" or "matrix" with 20% quartz grains 0.05" in diameter					
122.0 to 134.0	CHLORITE-SERICITE 20% - QUARTZ SCHIST -similar to 22.0 to 67.0 -131.5 to 132; a little dragfolding					
134.0 to 141.0	BRECCIATED QUARTZ-SERICITE SCHIST -fractured, brecciated, silicified -136.5 to 138: 18" quartz vein -140.0 to 140.5: 6" quartz vein					
141.0 to 145.0	CHLORITE-SERICITE 20% - QUARTZ SCHIST -similar to 122.0 to 134.0 and 22.0 to 67.0					

LF C-1298

DRILLED BY _____

SIGNED _____



DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-8

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 152°

ULTIMATE DEPTH 376'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
145.0 to 171.0	<p>QUARTZ PORPHYRY</p> <p>-indistinct white quartz phenocrysts 0.1 to 0.3" diameter set in a light grey to pale bluish grey extremely fine grained groundmass</p> <p>-10% fine grained pale yellow pyrite "disseminated" through the porphyry along a "micro stockwork" of hairline quartz stringers</p> <p>-mode: quartz phenocrysts: 40% pyrite: 10% groundmass: 50%</p>	PYRITE	10.0			
171.0 to 184.5	<p>TUFF</p> <p>171.0 to 174.5: banded chert breccia light yellowish green angular chert fragments banding at 80° to DDH axis</p> <p>-10% fine grained pyrite "disseminated" along a "microstockwork" of hairline quartz stringers</p> <p>174.5 to 184.5: banded tuff; quartz-sericite-chlor. banding, abundant quartz augen or elongated fragments</p> <p>-microstockwork not as well developed; only 4 to 6% pyrite</p>	PYRITE	10.0			
		PYRITE	4.0 to 6.0			
184.5 to 274.5	<p>QUARTZ PORPHYRY</p> <p>-similar to 145.0 to 171.0 but with sections more closely resembling a quartz lapilli tuff rather than a porphyry</p> <p>-10% extremely fine grained to fine grained pyrite "disseminated" along</p>	PYRITE	10.0			

LF C-1296

DRILLED BY _____

SIGNED _____

DIAMOND D. ILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-8

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING 152° ULTIMATE DEPTH 376'
 ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
274.5 to 376.0	CONGLOMERATE -dark green chlorite 80% quartz schist matrix foliated at 65° to DDH axis; -20 to 30% cobbles mostly of pink quartz porphyry with chloritized mafics, and a lesser proportion of greenish dacitic cobbles and pebbles; a few black chert pebbles -274.5 to 286: cobbles absent -1 to 2% fine grained disseminated pyrite over the section slightly higher percentage of pyrite (1 to 3%) in quartz porphyry cobbles					
END OF HOLE						

LF C-1296

DRILLED BY _____

SIGNED 

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-9

SHEET NUMBER <u>N.T.S. 52-F-7</u>	SECTION FROM _____ TO _____	STARTED _____
LATITUDE _____	DATUM _____	COMPLETED _____
DEPARTURE _____	BEARING <u>152^o</u>	ULTIMATE DEPTH <u>264'</u>
ELEVATION _____	DIP <u>-45^o</u>	PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 14.0	OVERBURDEN					
14.0 to 38.0	QUARTZOSE WACKE -25 to 30% fine grained clear quartz grains supported in a fine grained matrix of yellowish green to grey sericite and greyish green shlorite -strongly fractured and veined with hairline quartz stringers (2 or 3 per inch) -0.5 to 1.0% fine grained pyrite disseminated along stringers -foliation (compositional layering) intersections DDH axis at 60 ^o angle					
38.0 to 114.0	SCHISTOSE QUARTZOSE WACKE -similar to 14.0 to 38.0 but schistosity is more pronounced, although still not particularly well developed -0.5% fine grained pyrite occur along quartz stringers 0.01" to 0.4" thick stringer density 0.5/l" -foliation: 70 ^o to DDH axis -38.0 to 41.0: a little more strongly fractured and more intense development of quartz stringers but no noticeable increase in pyrite content -104.0: 1" sulphide band carrying 30 to 40% disseminated medium grained pyrite -104 to 114: schistosity becoming more pronounced, still at 70 ^o to DDH axis					

LF C-1296

DRILLED BY

SIGNED

DIAMOND DRILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. F-84-0

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 152°

ULTIMATE DEPTH 264'

ELEVATION _____

DIP -45°


PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
114.0 to 220.5	INTERBANDED MAGNETITE-SHERT-PYRITE IRON FORMATION AND SERICITE-CHLORITE-QUARTZ SCHIST -occasional massive beds of magnetite in a thinly interbanded section of light grey quartz, yellowish-green sericite, green shlorite, and black magnetite -114 to 133: 10% mag. banding; 126 to 133: 5% pyrite 133 to 143.5: 70% mag. banding 143.5 to 141: 10% mag. banding; 143.5 to 162: 5% pyrite 141 to 167: 40% mag. banding; 167 to 171: 5% mag. banding; leuco zone 3 to 10 pyrite 171 to 187.5: 20 to 25% mag. banding; 5% pyrite 187.5 to 189: 70% mag. banding; 20% chert, 10% pyrite 189 to 192.5: 15% mag. banding 192.5 to 194: 70% mag. banding; 20% chert, 10% pyrite 194 to 200: 20 to 25% mag. banding; 70% chlor., 2 to 4% pyrite 200 to 220.5: 75 to 90% mag; 10 to 15% medium to coarse grained pyrite in sulphide bands -218 to 220.5: up to 20% intrgranular medium grained pyrite; abundant quartz fragments or lenses, some brecciation					
220.5 to 237.0	SHEAR ZONE -strongly sheared, dragfolded quartz chlorite sericite schist minor quartz veining 225.0: 2" quartz vein 223.5: 2" quartz vein					

LF C-1296

DRILLED BY _____

SIGNED _____



DIAMOND D. LL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE HOLE NO. G-84-9

SHEET NUMBER N.T.S. 52-F-7 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING 152° ULTIMATE DEPTH 264'

ELEVATION _____ DIP -45° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
237.0 to 251.0	CHERT buff to pale greenish-grey "micro-brecciated" chert 1 to 4% extremely fine grained to microscopic pyrite disseminated through a "microstockwork" of hairline quartz stringers, minor fine grained chalcopyrite on fracture faces					
251.0 to 264.0	CHLORITE-SERICITE-QUARTZ SCHIST thinly interbanded dark green chlorite, white to light grey quartz and pale greenish grey to pale yellowish green sericite lamellae foliation at 80° to DDH axis					
END OF HOLE						

LF C-1296

DRILLED BY

SIGNED 

DIAMOND D TILL RECORD

PROPERTY GIANT, UPPER MANITOU LAKE

HOLE NO. G-84-10

SHEET NUMBER N.T.S. 52-F-7

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING 360°

ULTIMATE DEPTH 35.5'

ELEVATION _____

DIP -45°

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	TYPE	%	SAMPLE NO.	WIDTH OF SAMPLE	GOLD OZ/TON
0 to 14.0	OVERBURDEN					
14.0 to 14.5	SERICITE-QUARTZ SCHIST foliation at 45° to DDH axis					
15.5 to 28.0	QUARTZ STRINGER ZONE patches lenses and bands of white quartz carrying 1% total pyritePYRITE	1.0			
28.0 to 35.5	SILTSTONE dark greyish green foliation 40 to 45° to DDH axis					

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
MAR 3 1987
RECEIVED

LF C-1296

DRILLED BY _____

SIGNED

103+00 N

103+00 N

Seichte Schutte
Quartz Springzone
Siltstone

6-84-1

6-84-10

Floor of Trench

102+50 N

102+50 N

102+00 N

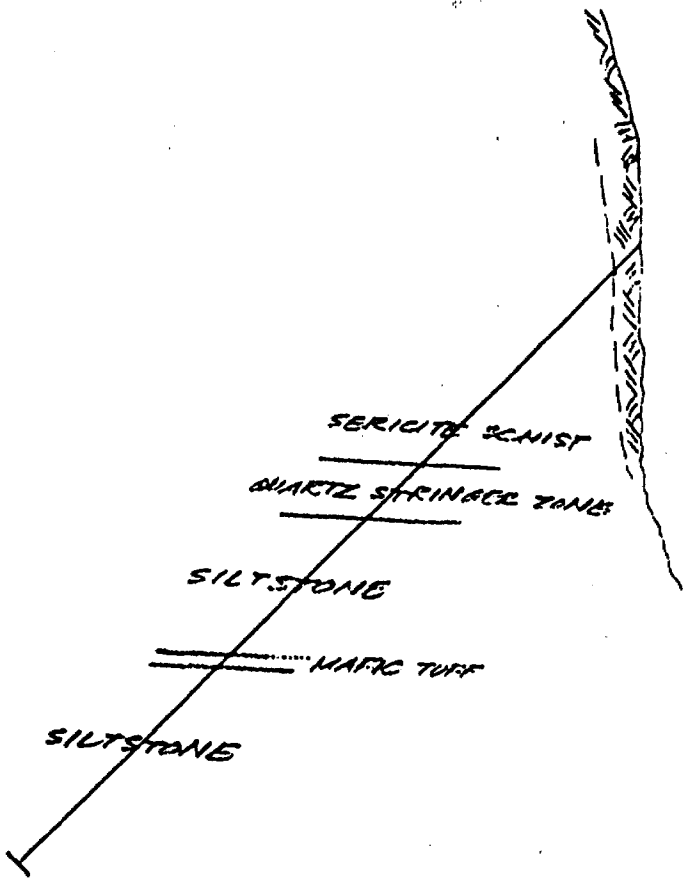
102+00 N

101+50 N

101+50 N

SCALE : 1 : 500 (1cm : 5m)

COCHRANE OIL & GAS LTD.
SECTION 117+30E
DDU 6-84-1 AND 6-84-10
GIANT CLAIM GROUP
UPPER MANITOULAKE
KENDRA MINING DISTRICT
FEBRUARY, 1984

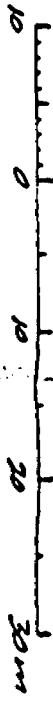


COCHRANE OIL & GAS LTD.

SECTION 116+65E
 DDH G-84-2

GIANT CLAIM GROUP
 UPPER MANITOULAKE
 KENORA MINING DISTRICT
 FEBRUARY, 1984

SCALE : 1 : 500 (1cm : 5m)



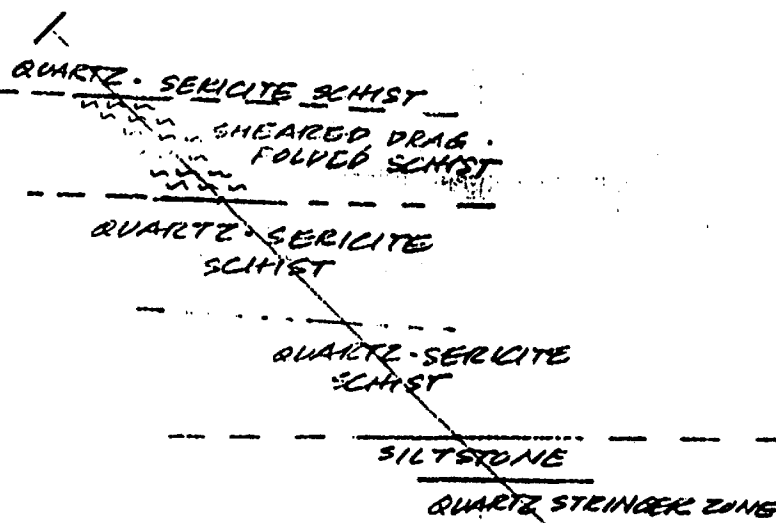
A handwritten signature or set of initials in the bottom right corner of the page.

103+50 N

103+50 N

103+00 N

103+00 N



102+50 N

102+50 N

SILTSTONE

SILTSTONE

102+00 N

102+00 N

COCHRANE OIL AND GAS LIMITED
 SECTION 114+95 E
 DDH 6-84-3
 GIANT CLAIM GROUP
 UPPER MANITOU LAKE
 KENDRA MINING DIVISION
 FEBRUARY, 1984
 SCALE: 1:500 (1cm:5m)

N00+66

N00+66

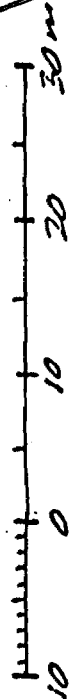
COCHRANE OIL AND GAS LIMITED

SECTION DPH 6-8A - A

SECTION IN PLANE OF DRILL HOLE (152°AZ)
SECTION LINES PROJECTED ONTO PLANE OF DPH

GIANT CLAIM GROUP
UPPER MANITOW LAKES
KENDRA MINING DIVISION
FEBRUARY, 1984

SCALE: 1:500 (1cm : 5m)

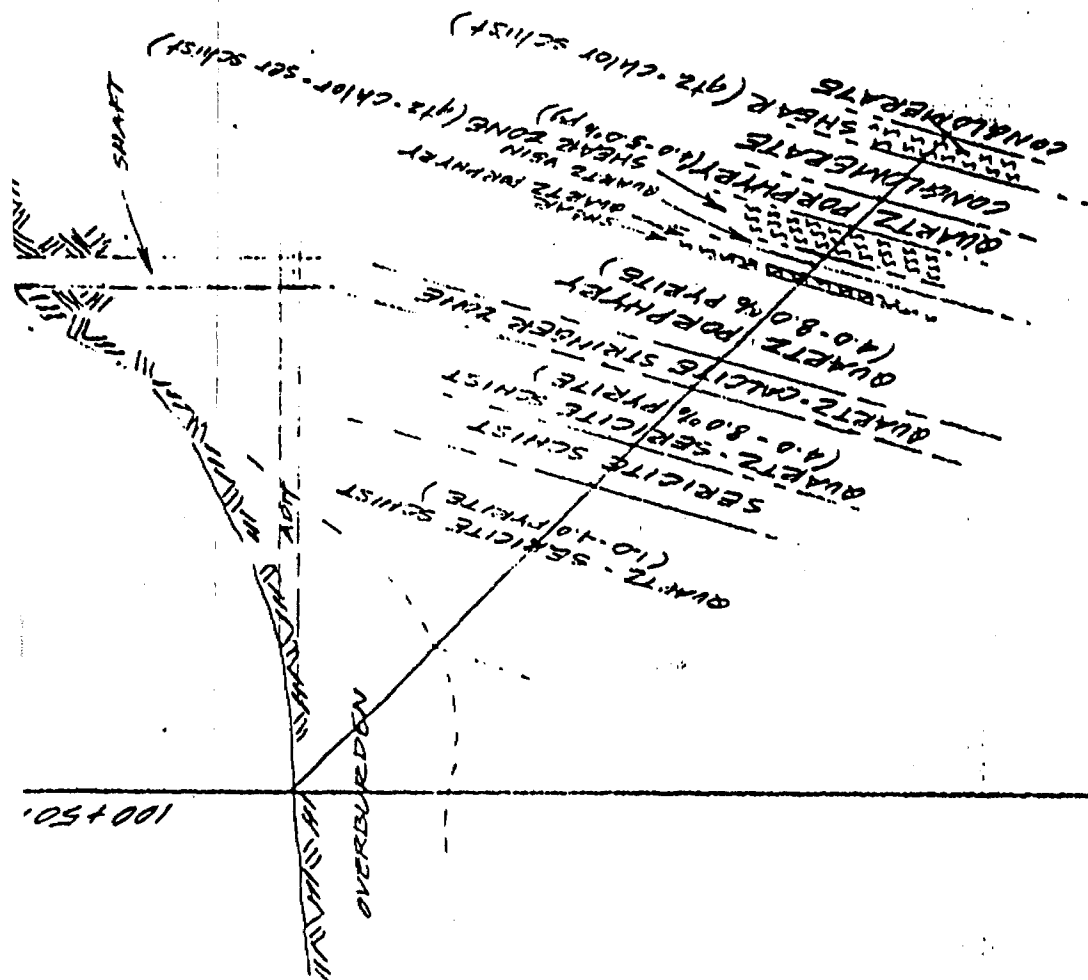


99+50N

99+50N

100+00N

100+00N



100+50

100+50N

99+50 N

100+50 N

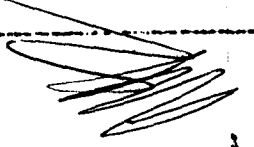
COCHRANE OIL AND GAS LIMITED

SECTION DDH 8-34-5

SECTION IN PLANE OF DRILL HOLE (156°Az)
SECTION LINES PROJECTED ONTO PLANE OF DDH

GIANT CLAIM GROUP
UPPER MANITOU LAKE
KENDRA MINING DIVISION
FEBRUARY, 1984

SCALE: 1:500 (1cm: 5m)

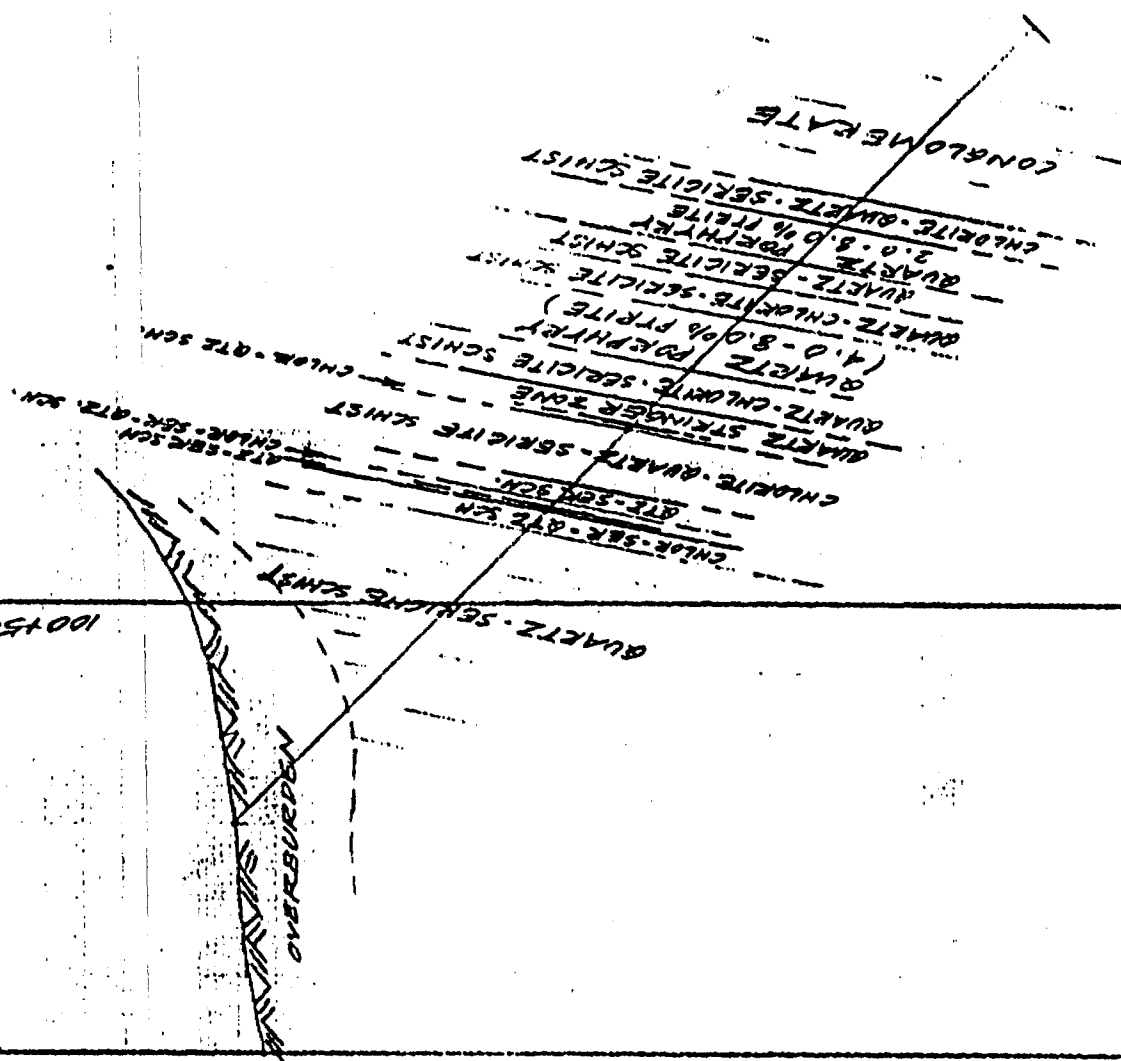


100+00 N

100+00 N

100+50 N

100+50 N



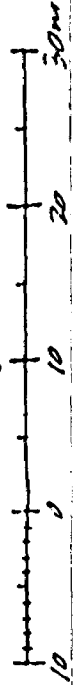
COCHRANE OIL AND GAS LIMITED

SECTION DDH 6-8A-6

SECTION IN PLANE OF DRILL HOLE (198°)
SECTION LINES PROJECTED ONTO PLANE OF DDH

GIANT CLAIM GROUP
UPPER MANITOU LAKE
KENDRA MINING DIVISION
MARCH, 1984

SCALE: 1:500 (1cm:5m)



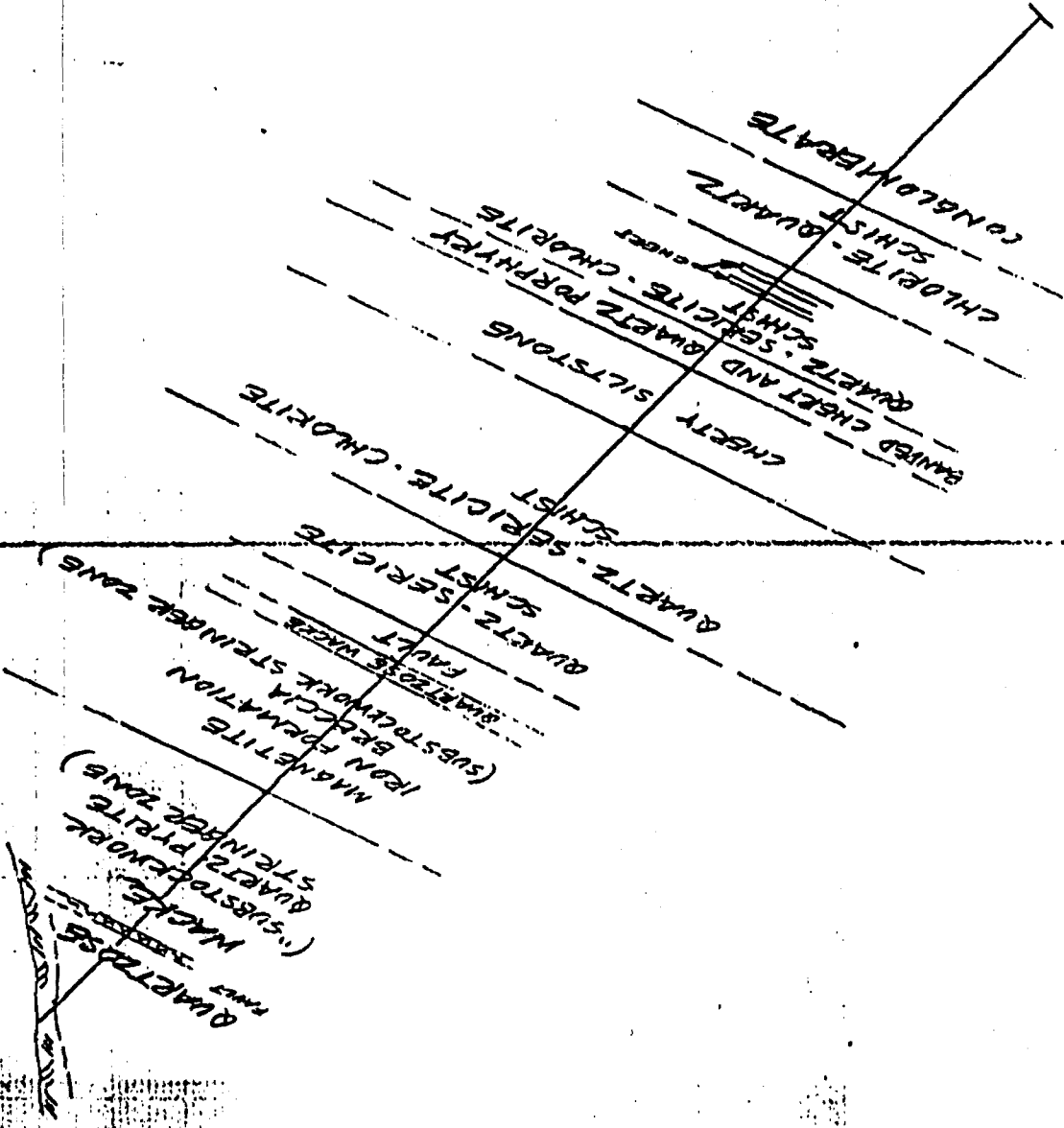
100+00N

100+00N

100+50N

100+50N

101+00N



SEE RTZ -
CHLOR SCH.
15% MAG.
BANDING

MAGNETITE
QUARTZ 20% MAGS
MAGNETITE
SEE RTZ CHLOR SCH
15-20% MAGNETITE

CHEST MAGNETITE -
QUARTZ - SERICITE
SCHIST

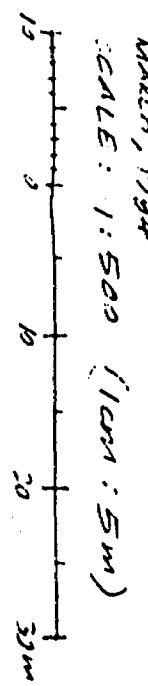
101+50 N

101+00 N

101+00 N

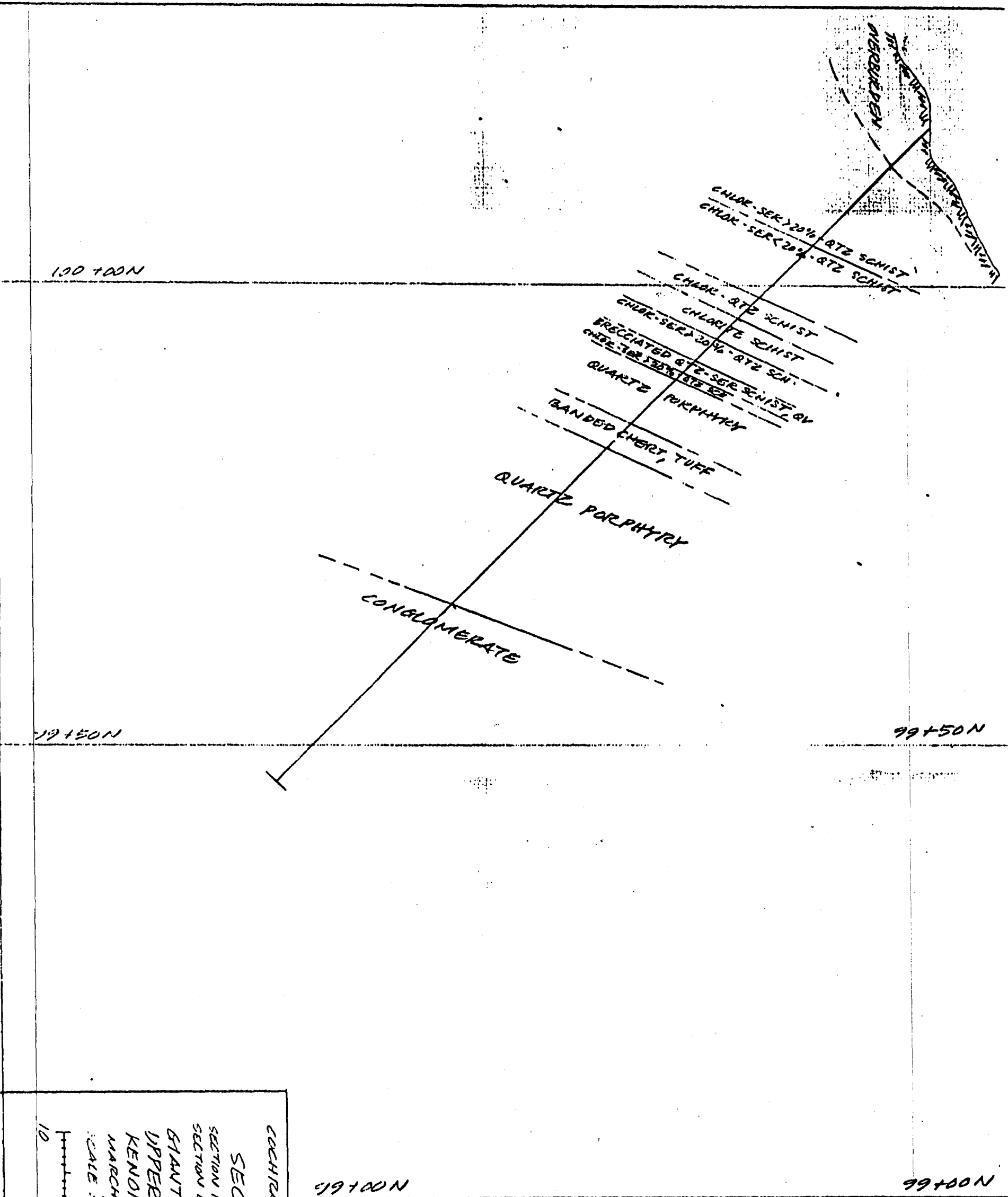
100+50 N

100+50 N



COCHRANE OIL AND GAS LIMITED
SECTION DDH - G-84-7
SECTION IS IN PLANE OF DRILL HOLE (152°04Z)
SECTION LINES ARE PROJECTED ONTO PLANE OF DDH
GIANT CLAIM GROUP
UPPER MANITOU LAKE
KENDRA MINING DIVISION
MARCH, 1984
SCALE: 1:500 (1cm:5m)

[Handwritten signature]



100+00N

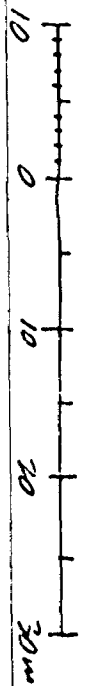
99+50N

99+50N

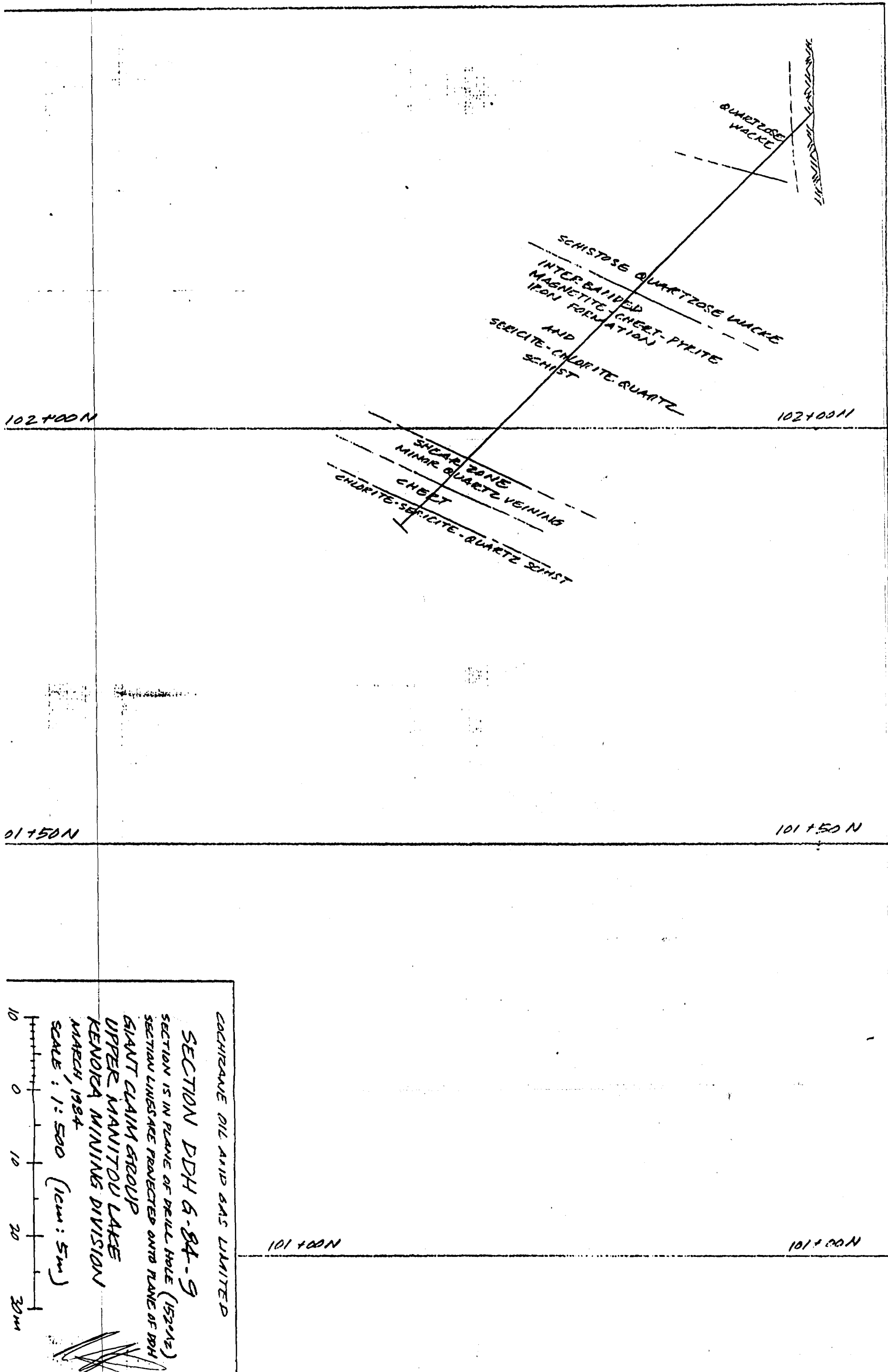
99+00N

99+00N

COCHRANE OIL AND GAS LIMITED
 SECTION DDH 6-84-8
 SECTION IS IN PLANE OF DRILL HOLE (1520AZ)
 SECTION LINES ARE PROJECTED ONTO PLANE OF DDH
 STANT CLAIM GROUP
 UPPER MANITOULAKE
 KENDRA MINING DIVISION
 MARCH, 1984
 SCALE: 1:500 (1cm:5m)



[Handwritten signature]



COCHRANE OIL AND GAS LIMITED

SECTION DDH 6-84-9

SECTION IS IN PLANE OF DRILL HOLE (1520142)

SECTION LINES ARE PROJECTED ONTO PLANE OF DDH

GIANT CLAIM GROUP

UPPER MANITOU LAKE

KENORA MINING DIVISION

MARCH, 1984

SCALE: 1:500 (1cm:5m)

10 0 10 20 30m

103+00 N

103+00 N

6-84-1

6-84-10

Seichte Schicht
Quartz stringer zone
Siltstone

Floor of Trench

102+50 N

102+50 N

102+00 N

102+00 N

101+50 N

101+50 N

SCALE : 1 : 500 (1cm : 5m)

COCHRANE OIL & GAS LTD.
SECTION 117+20E
DDH 6-84-1 AND 6-84-10
GIANT CLAIM GROUP
UPPER MANITOULAKE
KENDRA MINING DISTRICT
FEBRUARY, 1984

COCHRANE OIL & GAS LTD.
Suite 2100, First Canadian Centre
350 - 7th Avenue S.W.
Calgary, Alberta T2P 3N9



52F07NE0046 26 BOYER LAKE

900

Name and Postal Address of Recorded Holder

CHRANE OIL AND GAS LTD.
2100 - 350 - 7th AVE. S.W., CALGARY, ALTA T2P 3N9

Summary of Work Performance and Distribution of Credits

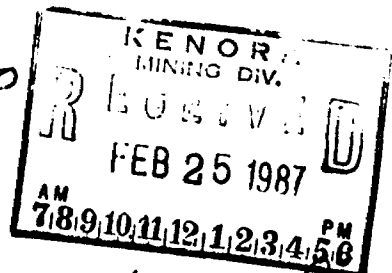
Total Work Days Cr. claimed 1050	Mining Claim			Work Days Cr.			Mining Claim			Work Days Cr.		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K	687462	75	K	687470	75						
		687463			687471							
		687464			687472							
		687465			687473							
		687466			687474							
		687467			687475							
		687468										
	687469											

All the work was performed on Mining Claim(s): K. 687462-63, 687468, 687471

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

- DDH LOGS, SECTIONS FOR 10 HOLES TALLING 2195'
 - LOCATION SKETCH OF DRILL HOLES (BACK POCKET OF REPORT)
 - SUPERVISING PROJECT GEOLOGIST
MICHAEL FOX
BOX 1015 STATION G
CALGARY, ALTA. T3A-0E0
- 2168 WORK DAYS

4. DRILLING CONTRACTOR
DRILCOR INDUSTRIES LTD.
MAR 3 1987 7449 HOME AVENUE
DELTA, B.C.
RECEIVED - 1C3



Date of Report: FEB 25, 1987
Recorded Holder or Agent (Signature): [Signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

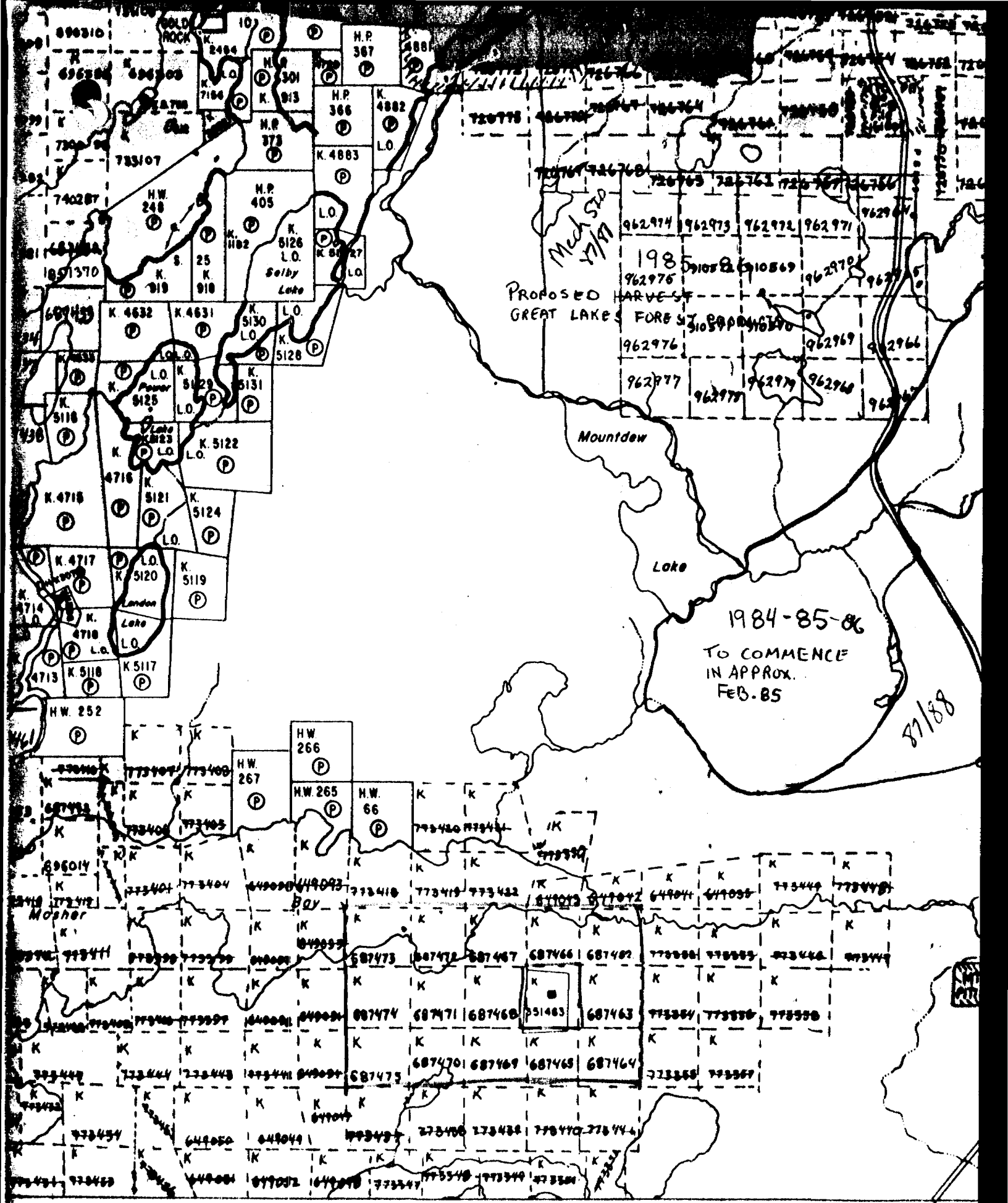
Name and Postal Address of Person Certifying

MICHAEL FOX BOX 1015, POSTAL STATION G
CALGARY, ALTA. T3A-0E0

Date Certified: FEB. 25, 1987
Certified by (Signature): [Signature]

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	687462	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil



PROPOSED HARVEST
GREAT LAKES FOREST

1984-85-86
TO COMMENCE
IN APPROX.
FEB. 85

Mud Shoal
7/1/87

8/1/88

43' 42' 41' 40' 39'

M

COCHRANE OIL & GAS
 GIANT GRID
 WINTER ROAD & DRILL SITES

