



52C10NE0069 24 BAD VERMILION LAKE

010

Diamond Drilling

Area Bad Vermillion Lake

Report NO 24

Work performed by: Central Crude Ltd.

Claim NO	Hole NO	Footage	Date	Note
K 590518	ST-1	108	May/84	(1)
	ST-2	110	May/84	(1)
	ST-3	109	May/84	(1)
	ST-4	109	May/84	(1)
	ST-5	108	May/84	(1)
	ST-6	109	May/84	(1)

Notes: (1) #257-84

K 590518

gravel road



marshy pond

beaver pond

D.D.H.
#3,4

muck pile

#1,2

#5,6

Central Crude Ltd.
Stellar Property
Bad Vermilion Lake

Scale: 1 inch = 164 feet

W. Arthur P. Eng.

DIAMOND DRILL RECORD

NAME OF PROPERTY Stellar - Central Crude
 HOLE NO. St-01 LENGTH 108 feet
 LOCATION 0+68 ft. east of shaft, 0+40 ft. north of vein
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH 173° DIP -45°
 STARTED May 14, 1984 FINISHED May 15, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	173°			

HOLE NO. St-01 SHEET NO. 1 of 1
 REMARKS BL is along Rainbow Vein
East edge of shaft at vein considered 0+00
Strike of vein N83°E
U. Abolins P. Eng.
 LOGGED BY U. Abolins P. Eng.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	2.5	Overburden									
2.5	108	Trondhjemite 25-28 varies from light buff to med. grey - patchy fractured in places 28-417 light buff colour overall a brick-crimson red orthorhombic mineral scat. in tr amounts throughout 417-43.0 Rainbow Vein Structure about 3 inches of cherty quartz - rest a blue-grey silica flood tr py pale buff feldspar fragments in vein sheared at 45°-50° gradational and irregular walls. 43.0-442 sheared slightly, some gtz flood, sericitic 43-68 light buff colour. 46.8-48.0 a few quartz veinlets, 3 inch gtz-fsp bx 58-63 scat. dark chlorite fractures, tr py 58.0-59.2 highly fractured with 3 gtz veinlets carrying red mineral about 76 starts to become grey 89-108 gradually porphyritic, fractured-granular appearance to matrix 96.5-98 bleached 102.8-104.2 fractured, several gtz slips with py.	2579								
			2580								
			2581								
			2582								
		108 feet - End of Hole									

DIAMOND DRILL RECORD

NAME OF PROPERTY Stellar
 HOLE NO. St-02 LENGTH 109.5 feet
 LOCATION D+68E, 0+40N
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH 173° DIP -70°
 STARTED May 16, 1984 FINISHED May 16, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-70°	173°			

HOLE NO. St-02 SHEET NO. 1 of 1

REMARKS _____

LOGGED BY W. Abolins P. Eng.
G. Abolins, P. Eng.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Pb %	Zn %	Au OZ/TON	Ag OZ/TON	Cu %
					FROM	TO	TOTAL					
0	2.5	Overburden										
2.5	109.5	Trondhjemite H. buff colour, sericitized, occ greyish zones occ fractured, fsp. jts about 5% mafics slightly opalescent, some porphyritic gtz. - not obvious. 17.8-19.0 several 1/4 inch gtz stringers 57-60 fractured-healed with black chlorite 76'- about 84' shearing at 25° - Rainbow Vein Structure. 76.0-76.9 several 1/4 inch stringers, sl. sheared 76.9-77.4 Rainbow Vein white-greasy quartz, 10% fine galena, 5% sphalerite, tr. cpy, py 77.4-78.7 alt., sl. sheared 81.8-82.9 several 1/4 inch gtz veinlets 86.3-87.3 one 1 inch and one 1/4 inch gtz veinlets 92 - 100 slight shearing 92.6-94.8 sl. sheared, scat. small veinlets 96.3-98.4 sheared at 35°, alt - sericitized, several 1/2 inch veinlets 98.4-99.9 gtz veining with wall rock and H. buff fsp. 99.9-101.0 several 1/8 inch irreg veinlets 109.5 feet - End of Hole										
			2584	-								
			2585	-								
			2586	/								
			2587	-								
			2588	-								
			2589	.								
			2590	-								
			2591	-								
			2592	-								
			2593	-								

DIAMOND DRILL RECORD

NAME OF PROPERTY Stellar
 HOLE NO. St-03 LENGTH 109 feet
 LOCATION 0+15E, 0+45N
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH 173° DIP -45°
 STARTED May 16, 1984 FINISHED May 17, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	173°			

HOLE NO. St-03 SHEET NO. 1 of 1

REMARKS _____

LOGGED BY W. Abolins P. Eng.
U. Abolins P. Eng.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
		FROM			TO	TOTAL				
0	8	Overburden - muck pile								
8	17.5	Trondhjemite med. grey green about 70% qtz. with 1% opalescent blue quartz eyes 17.5 - 18.0 grades into buff Trondhjemite								
17.5	109	Trondhjemite buff colour - sericitized scat. qtz eyes 18-25 fractured, iron stained joints 25-109 light buff with grey patches 26-59 slight shearing at 55° 36.6-38.3 sheared, sericitic, fractured 41.8-43.0 scat. veinlets, sericitic 43.0-44.4 scat. veinlets, sericitic 44.4-56.0 Rainbow Vein - irreg. contacts. 44.4-45.4 qtz vein with some wallrock and fsp, FeCO ₃ and chl, 1% py crimson red mineral, tr. sp. 45.4-48.5 qtz vein, patches chl. and FeCO ₃ , tr. muscovite, 1% py 48.5-51.2 qtz vein - as above. 51.2-54.2 qtz vein, - as above, 2% py 54.2-56.0 qtz vein, some wall rock present 56.0-57.4 slightly sheared fault 77 to end - indistinct qtz phenos. 109 feet - End of Hole.								
			2594							
			2595							
			2596							
			2597							
			2598							
			2599							
			2600							
			2601							
			2602							

DIAMOND DRILL RECORD

NAME OF PROPERTY Stellar
 HOLE NO. St-04 LENGTH 109 feet
 LOCATION 0+15E, 0+45N
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH 173° DIP -60°
 STARTED May 17, 1984 FINISHED May 18, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60	173°			

HOLE NO. St-04 SHEET NO. 1 of 1

REMARKS _____

LOGGED BY M. Abolins P. Eng.
G. Abolins P. Eng.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
0	8	Overburden - muck pile									
8	109	Trondhjemite porphyritic (1% opalescent blue gtz eyes, occ. 5%) but not obvious when sericitized or bleached 8-22 bleached, some hematization 22 and on - light buff with grey patches 30-42 jointed and iron stained 43.0 - 43.9 sl. sheared at 45° with fsp and gtz flood intrusion 54.0 - 55.5 sl. sheared, sericitic - alt. 55.5 - 56.8 sl. sheared, gtz - fsp veinlets parallel to schistosity 69.0 - 74.4 Rainbow Vein Structure light buff colour, sericitized shears at 35°-45°, gtz veinlets at 45° 69.0 - 71.0 four gtz veinlets about 1/8 inch wide 71.0 - 72.7 three 1/4 inch veinlets, one 6 inch vein. 72.7 - 74.4 sheared, several 1/8 inch gtz veinlets, tr. sp. 78 - 84 sl. shearing, sericitic 79.0 - 80.5 sl. sheared, 6 inches of irreg gtz. plus several small veinlets parallel to schistosity 105.3 - 106.5 sl sheared, some pale white fsp. and chl present last 3 feet greyish.									
			2603								
			2604								
			2605								
			2606								
			2607								
			2608								
			2609								
			2610								
		109 feet - End of Hole									

DIAMOND DRILL RECORD

NAME OF PROPERTY Stellar
 HOLE NO. St-05 LENGTH 108 feet
 LOCATION 0+35W, 0+51N
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH 173° DIP -45°
 STARTED May 18, 1984 FINISHED May 19, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	173°			

HOLE NO. St-05 SHEET NO. 1 of 1

REMARKS _____

LOGGED BY U. Abolins P. Eng.

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
0	6	Overburden									
6	108	Trondhjemite scattered 1/10 inch quartz eyes throughout 6-18 jointed and iron stained 6-32 light buff to light buff grey at 28 ft slight shear over 1/2 foot at 40° - fsp. and chl. present 32-41 hematized 27.8 - 28.6 sheared at 40° with chl-fsp present grey with scat gtz phenocrysts 39.8 - 41.1 hematized, start of shears at 45°, chl-fsp present 41.1 - 42.5 bleached and silicified, sl. shearing 42.5 - 43.6 Rainbow Vein - sheared, gtz and sericite over 6 inches 43.6 - 45.0 sheared, fsp. present 45.0 - 46.7 sheared, patchy gtz-fsp-chl. occ weak shears 47-57 63.0 - 64.2 fractured - lined with chlorite, scat irreg gtz veinlets - bleached 64.2 - 66.2 sl. shearing, chl fractures, irreg gtz veinlets, bleached 66.2 - 67.1 gtz-chl veinlets, tr. pl, bleached 63-67 gtz veinlet zone visible on surface, N60E strike 67-97 lt buff-grey patches 83.2 - 84.4 sheared with gtz veinlets parallel to shears at 52° 84.4 - 85.5 as above - gtz flood at 93.5 one inch chl-fsp shear at 30°, tr. pl 97 - 108 grey, scat gtz phenocrysts, tr. red mineral 108 feet - End of Hole									
			2611								
			2612								
			2613								
			2614								
			2615								
			2616								
			2617								
			2618								
			2619								
			2620								
			2621								

DIAMOND DRILL RECORD

NAME OF PROPERTY Stellar
 HOLE NO. St-06 LENGTH 109 feet
 LOCATION 0+35 W, 0+51 N
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH 173° DIP -60°
 STARTED May 19, 1984 FINISHED May 20, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60°	173°			

HOLE NO. St-06 SHEET NO. 1 of 1

REMARKS _____

LOGGED BY U. Abolins P. Eng.

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	6	Overburden									
6	109	Trondhjemite									
		6-24 very pale buff colour, a few iron stained jts									
		8.1-9.0 sl. shears at 40° with a linch and a 2 inch gtz-fsp veinlets	2622								
		24-28 grades into grey									
		28-41 light med grey, scat gtz phenocrysts									
		41-53 variable, patchy buff and grey									
		53-63 hematized									
		63-70 sheared at ~40°									
		63.4-65.0 Rainbow Vein Structure -gtz-sericite-chl shear zone	2623								
		65.0-66.0 hematized, sheared	2624								
		67.4-68.2 5 inches of fsp-gtz within sl. shears	2625								
		69.0-70.3 very sheared, talcose, sericitic	2626								
		70-109 very silicified, light buff with very fine mafic patches occ chloritic fracture or seam									
		at 89 small gtz-fsp patch									
		at 90 1/10 inch chlorite joint									
		96.2-97.9 extremely silicified, buff fsp veinlets in a gtz flood	2627								
		97.9-99.3 as above	2628								
		109 feet - End of Hole									



Ontario

Ministry of
Northern Development
and Mines



52C10NE0069 24 BAD VERMILION LAKE

020

The following material (Report on D.D.) has been placed on
file from OMEP submittal ^{program} OM 83-3-C-359 . The following
material was not included in the assessment submittal but has
been placed on file due to its significance to this report.

REPORT ON DIAMOND DRILLING PROGRAMME

ON

CENTRAL CRUDE LTD'S.

STELLAR PROPERTY
BAD VERMILLION LAKE
DISTRICT OF RAINY RIVER
KENORA MINING DIVISION
ONTARIO

October 29, 1984
U. Abolins P. Eng.
Harbinson Mining and
Oil Group
Toronto, Ontario

SUMMARY REPORT

A diamond drill hole programme consisting of six holes for a total of 652.5 feet was completed on claim K590518 during the period of May 12, 1984 to May 22, 1984. This drill programme was designed to test the strike and dip extensions of spectacular visible gold found on surface adjacent to the Rainbow Vein Shaft.

The drilling encountered a quartz vein - shear zone structure. On the east side of the shaft, the quartz occurs as a definable quartz vein known as the Rainbow Vein and occurs in altered (heavily silicified and sericitized) trondhjemitic rocks. The Rainbow Vein structure appears to strike $N83^{\circ}E$ and dips about 86° north. The vein occurs in a pinch and swell style and varies in width from an inch to 12 feet. The walls of the vein are sheared and the quartz frequently fingers or horsetails into the shears. Very little sulphide mineralization was encountered in the drill holes - the best being in hole St-02 where 0.5 feet of quartz vein assayed 0.43 oz Au., 0.28 oz. Ag., 0.82% Pb., 0.29% Zn., 0.011% Cu. Adjacent to this 0.5 foot quartz vein was a 25 foot wide zone of sheared rock containing negligible sulphides with values ranging up to 0.85 oz. Au. over 1.0 foot. The 12 foot wide quartz blow-out in hole St-03 appeared to be barren looking bull quartz, was slightly anomalous (≤ 0.01 oz. Au.) in gold, and did not carry any economic values.

Hole St-01 and 02 were drilled on the edge of a beaver pond and it was therefore impossible to follow the strike extension of the structure to the east. An outcrop of altered trondhjemite with quartz stringers running through it was found on strike 350 feet to the east on the other side of the pond.

During the drill programme, a N60°E striking quartz vein - shear zone structure was found about 600 feet to the north of the Rainbow Vein. This new quartz vein structure was traced-out over a distance of 1200 feet. The quartz carries occasional patches of pyrite and iron carbonate and occurs in altered trondhjemitic rocks. It has not been drilled.

CONCLUSIONS AND RECOMMENDATIONS

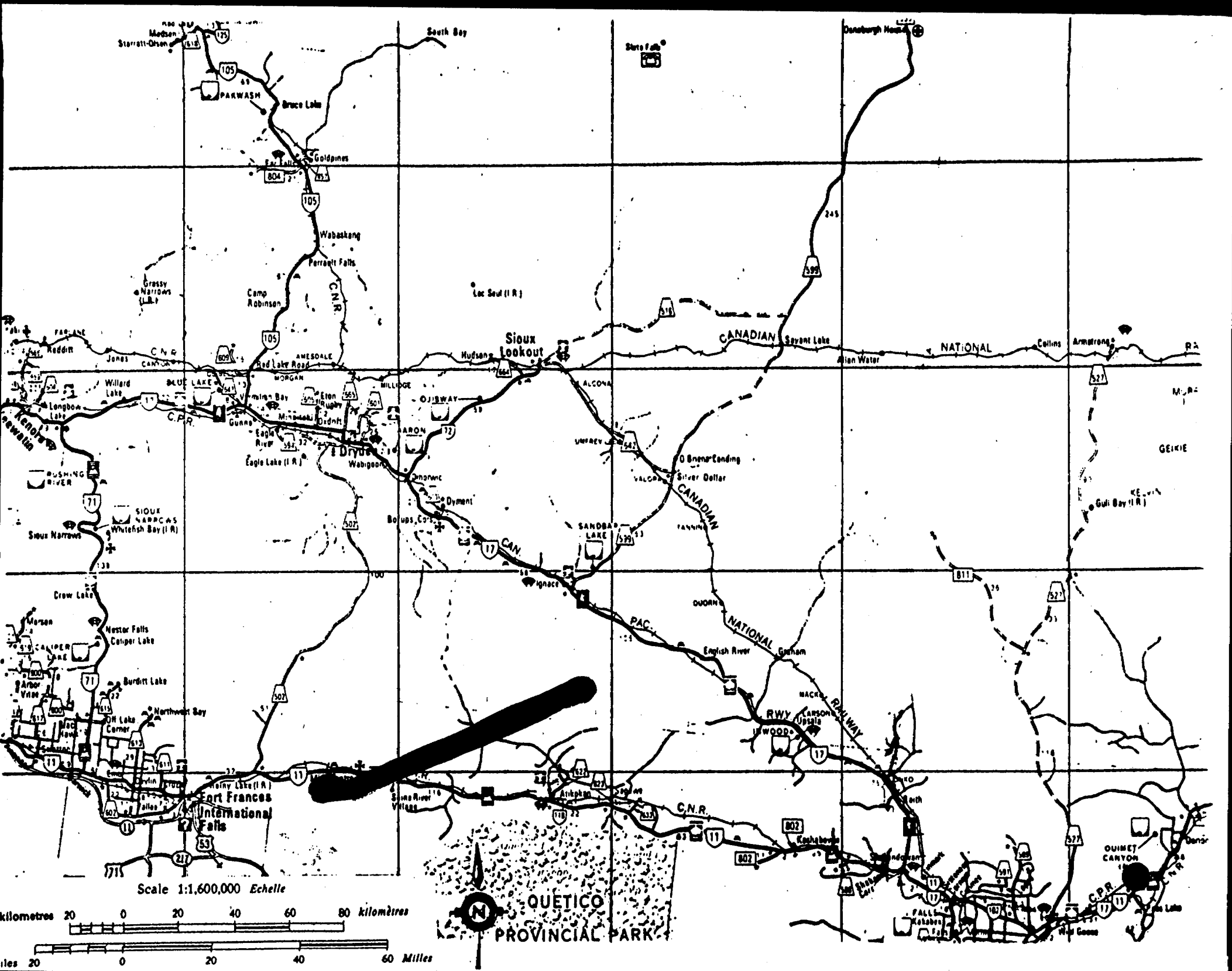
The Rainbow Vein structure appears to host a gold bearing shoot or zone within the footwall of the sheared rocks. This zone, now 60 feet long, strikes $N83^{\circ}E$, dips 86° north, and plunges 50° east.

It is recommended that this gold bearing zone be traced by drilling to the east under the pond. Some prospecting should be carried-out prior to this drill programme looking for additional targets. Previous stripping appears to have followed a subsidiary shear structure striking $N60^{\circ}E$. The junction of the $N60^{\circ}E$ quartz stringer - shear zone structure with the Rainbow Vein occurs at the old shaft or at the edge of the gold zone. The junction of two such structures may be the locus of enriched gold mineralization.

A programme of prospecting, stripping, trenching, and sampling should also be carried-out on the vein structure to the north of the Rainbow Vein. An effort should be made to trace this vein structure to the south-west in order to attempt to find the location of the intersection with the Rainbow Vein structure.

Respectfully submitted,

Ulfedio Abolina P. Eng.





Quetico Fault

HOMESTAKE EXPLORATIONS LIMITED
OLIVE GOLD MINE

HWY. 11

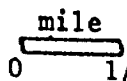
BAD VERMILLION LAKE

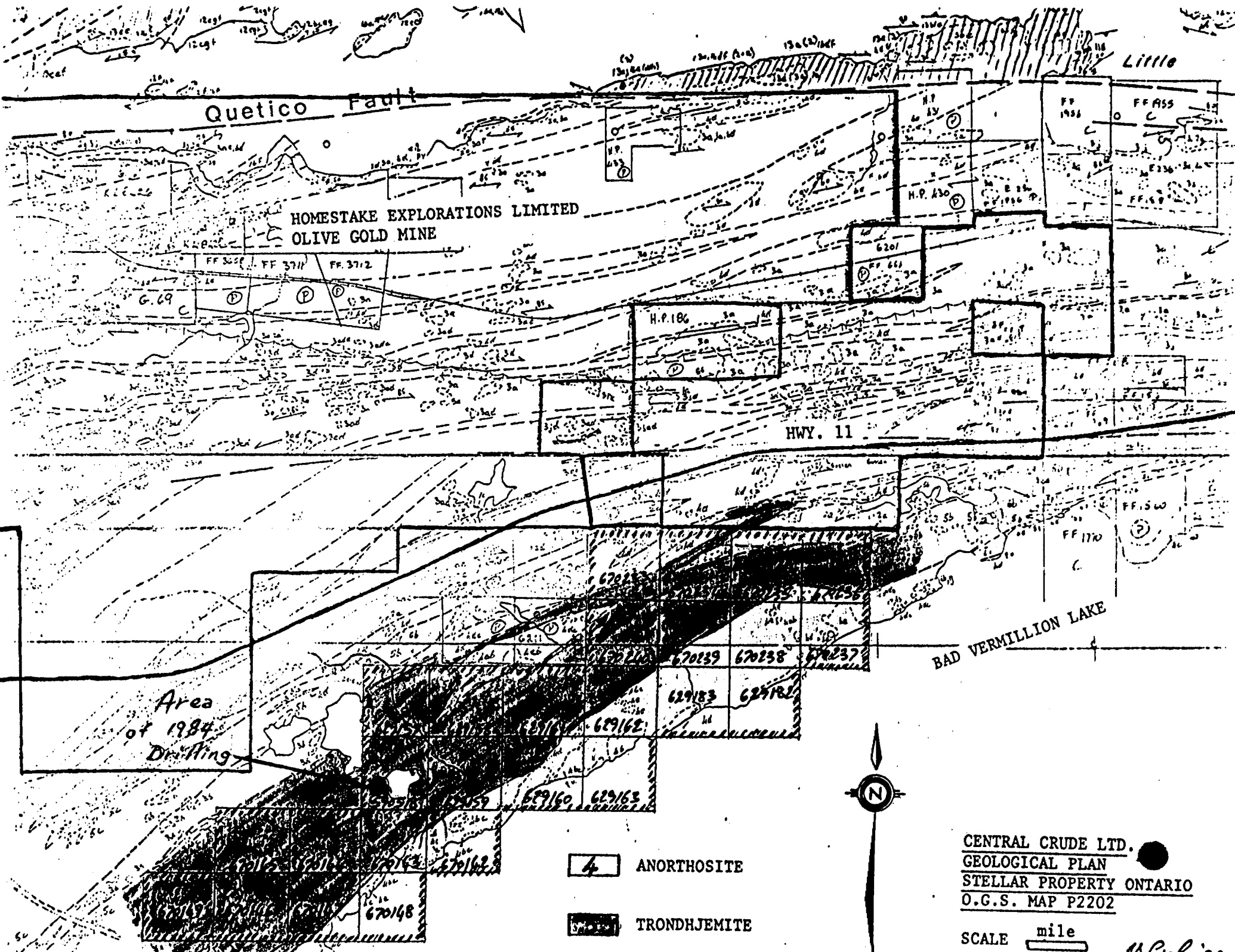
Area
of 1984
Drilling

-  ANORTHOSITE
-  TRONDHJEMITE



CENTRAL CRUDE LTD.
GEOLOGICAL PLAN
STELLAR PROPERTY ONTARIO
O.G.S. MAP P2202

SCALE  mile
0 1/4 *M. R. L. '83*





52C10NE0069 24 BAD VERMILION LAKE

G-2665

Instructions - Supply required data on a separate form for each type of work to be recorded (see table below).

ke G-2682

For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geo-chemical and Expenditures)".

257-84

900

Mining Act

Name and Postal Address of Recorded Holder Central Crude Ltd. 436 Adelaide Street West, Toronto, Ontario M5V 1S7	Assessor <i>[Signature]</i>	Prospector's Licence No. T-1361
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Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 652	Mining Claim			Mining Claim			Mining Claim		
	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	670237	20	K	629160	60	K	670145	20
		239	20		161	60		670148	20
		240	20		162	60			
		629182	20		163	60			
		183	20		590518	20			
		629157	60		670142	20			
		158	72		143	20			
		159	60		144	20			

All the work was performed on Mining Claim(s): K 590518

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

Mr. M. Tindale
Tindale Drilling Ltd.
549 Manly Street
MIDLAND, Ontario
LAR 3G2

Drilling done May 14, 1984 - May 21, 1984

Core size BQ approximately 1 7/16 inches

RECEIVED
 NOV 13 1984
 ASSESSMENT FILES
 RESEARCH OFFICE

KENORA
 MINING DIV.
 RECEIVED
 NOV 6 1984
 AM 10:10
 7 8 9 10 11 12 1 2 3 4 5 6 PM

Date of Report: Nov. 6, 1984
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
CHARLES E. PAGE

916 - 111 Richmond Street. W. Toronto, Ontario
Date Certified: Nov. 6, 1984
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	590518 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	Names and addresses of owner or operator together with dates when drilling/stripping done.	
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.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

Assess. Files.

Bad Vermilion Lake

G-2665

