

9237-C4-4E

FoRT GoOD HoPE

1990

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1 REPORT



Government  
of Canada

Gouvernement  
du Canada

**MEMORANDUM**

**NOTE DE SERVICE**

**TO**  R.Klaubert  
Chief, Data Management

**FROM**  Senior Evaluation Geologist  
**DE**

**SUBJECT**  **OBJET** Approval of 1990 Geological Field Study Report 9237-C4-4E

SECURITY - CLASSIFICATION - DE SÉCURITÉ
OUR FILE - N / REFERENCE
9237-C4-4E
YOUR FILE - V / REFÉRENCE
DATE
May 9, 1991

This report is satisfactory in my view since no original work was undertaken and the outcrops visited are described in previous reports which are referenced.



## Chevron Canada Resources

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9237-C4-4E

**1990 NORTHWEST TERRITORIES  
FOUR DAY GEOLOGICAL FIELD TRIP TO  
FORT GOOD HOPE AREA  
(PROGRAM NUMBER 9237-C4-4E)**

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Phone: (403) 234-5883

*John M. Labou*

## **FOUR DAY GEOLOGICAL FIELD TRIP TO FORT GOOD HOPE**

### **INTRODUCTION**

Chevron Canada Resources conducted a four-day geological field trip to the Fort Good Hope area in the Northwest Territories from Tuesday, 1990-07-31 to Friday, 1990-08-03. The purpose of the field trip was educational, to familiarize the Chevron Canada Resources personnel now working on the Fort Good Hope exploration project with the stratigraphy and structural complications of the area.

The participants of the field trip included: Gary Smith (former Fort Good Hope project geologist), Sandra Labou (present Fort Good Hope project geologist), Ron Bigsby (Fort Good Hope project geophysicist), and Louis Girard (newest geologist transferred to the Mackenzie Valley District). Gary Smith had visited numerous outcrops in the area during the summers of 1987 and 1988 (refer to program numbers 9237-C4-2E and 9237-C4-3E). Therefore, he shared his expertise and knowledge of the area by means of conducting visits to selected outcrops which had previously been described by him. The section name for each outcrop refers to the outcrop location as identified in reports filed for program numbers 9237-C4-2E and 9237-C4-3E.

### **OUTCROPS VISITED**

The following outcrops, as shown on the attached location map, were visited:

<u>Section Name</u>	<u>Location</u> Latitude/Longitude	<u>General Area</u>	<u>Formation</u>
G877	65° 42' / 128° 48'	Sans Sault Rapids	Sans Sault
GS88A	65° 51' / 128° 16'	Donnelly River	L. Cretaceous
GS88M	65° 24' / 129° 53'	Southbound Ridge	L. Cretaceous
GS88G	65° 28' / 129° 11'	Mountain River	L. Cretaceous
GS88F	65° 26' / 129° 10'	Mountain River	Imperial, L. Cretaceous
GS88E	65° 27' / 129° 08'	Mountain River	Imperial
GS88J	65° 24' / 129° 50'	Southbound Ridge	Imperial
KS87A	65° 27' 30" / 128° 54'	Stratigraphers Cliff	Ramparts
KS87G	65° 28' 15" / 128° 46' 45"	Stratigraphers Cliff	Ramparts
KS87F	65° 25' 30" / 129° 10' 30"	Imperial Hills at Gaya River	Ramparts
G874	65° 25' / 129° 10'	Imperial Hills at Gaya River	Hume
GG8810	65° 16' 30" / 128° 46' 30"	Powell Creek	Mount Kindle, Bear Rock
GG8811	65° 16' / 128° 47'	Powell Creek	Franklin Mountain, Mount Kindle

Additionally, a structural overview of the following anticlines was conducted in order to view the structural complexities of the area: Imperial, Sammons, Rainbow, Carcajou, East Mountain, West Mountain and Whirlpool.

