

Central Mackenzie Valley  
Geological Fieldwork 2006

**NEB ID # 9237-D072-001E**

Devon Canada Corporation  
2000, 400- 3<sup>rd</sup> Avenue S.W.  
Calgary, Alberta T2P 4H2

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## I. Introduction

The main targets for exploration on Talisman/Devon ELs 436, 437, 438, and 439 are reservoir sands contained within the Mt Clark and Mt Cap Formations. Since these formations do not come up to the surface in the area of the exploration permits, outcrop studies were focused elsewhere. 2006 outcrops visited were located in the Mackenzie and Franklin Mountains, with exposed section along riverbanks, canyon, and exposed ridgelines.

## II. Outline of Geological Fieldwork Program

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July 7-31, 2006

### **Area of Study:**

Central Mackenzie Valley (Sahtu Settlement Area and Deh Cho Region)  
NTS Map Sheets 95 O, 96 A, B, C, D, E, H

### **Operation:**

Helicopter-supported geological mapping based out of Norman Wells, N.W.T.  
Detailed study of Cambrian and Proterozoic formations, lithostratigraphic description  
including biostratigraphy, and sample collection for analysis of source and reservoir rock  
potential.

### **Operating Companies:**

Devon Canada Corporation (W.I. 50 %), and Talisman Energy (W.I. 50%)

### **Field Party Participants:**

Chris Bergquist  
Dennis Johnston  
Dennis Meloche  
Chris Collom  
Jennifer Turner  
Leanne Pyle

### **Prime Contractor:**

Sahtu Helicopters

### III. Results and Interpretation.

The fieldwork was the second phase of a three-year program.

Results and interpretation are presented in the subsequent report NEB ID # 9237-D072-002E.