



GEOPHYSICAL OPERATION AUTHORIZATION

Applicant: EXPLOR DATA LIMITED
Operating Licence Number: 1101 Land Use Permit Number: APPLIED FOR - 2004
Geographical Area: MACKENZIE VALLEY - NORMAN WELLS TO GREAT BEAR LAKE
Grids or NTS Map Sheets: 96 E, 96 F, 96 K
Interests:
Description of Operation: CUL-1 - PROPOSED 2-D SEISMIC PROGRAM - OLD PETRO-CANADA
WINTER ROAD - NORMAN WELLS TO GREAT BEAR LAKE, NT

SPECIFICS OF OPERATION

Exclusive ☐ for _____ Non-Exclusive ☒ Participation ☐ Purchase/Reprocessing ☐
Proposed Commencement Date: JANUARY 15, 2005 Proposed Completion Date: APRIL 30, 2005
Number of Personnel: 45 Number of Crews: 1
Data Acquisition Equipment: 1/0 SYSTEM 11 OR SEISLER 408 Estimated Kilometres: 238
Vessel / Aircraft Names / Registration Numbers:
Energy Source: VIBRO SEIS
Depth: Charge Size:
Source Parameters: 15 M Detector Parameters: 15 M

OPERATIONAL CONTACT

Name: ALLAN CHATELAIN
Address: SUITE 1900 - 639-5TH AVE. S.W. CALGARY, ALBERTA T2P 0M9
Telephone: 403-263-5950 Facsimile: 403-269-5252

ESTIMATED EXPENDITURES

	On-Interest	Off-Interest
Field Work	<u>4,760,000.00</u>
Data Processing	<u>250,000.00</u>
Interpretation/Laboratory

CONTRACTORS

Data Acquisition: TBA
Data Processing: TBA
Data Interpretation / Laboratory Studies:

"I certify that I have complied with the notification, permitting and / or licencing requirements of all federal / territorial legislation that are applicable to this operation."

Signed: [Signature] Title: VICE-PRESIDENT OPERATIONS
Responsible Officer
Name: ALLAN CHATELAIN Date: DECEMBER 10TH, 2004
Company: EXPLOR DATA LIMITED
Address: 1900-639-5TH AVE. S.W. CALGARY AB. Telephone: 403-263-5950
T2P 0M9

AUTHORIZATION

This operation is authorized under Section 5 of the Canada Oil and Gas Operations Act and is subject to the terms and conditions attached to this Authorization.

Signed: [Signature] Date: JAN 28/05
Chief Conservation Officer
Operation Identifier: 9229-E34-12P Number of attachments: