

Exploratory
Development

x

Delineation
Service

APPROVAL TO DRILL A WELL

This application is submitted under Section 82 of the Canada Oil and Gas Drilling Regulations. When approved under Section 83 of the Regulations, it is the requisite approval for the commencement of drilling operations.

Well Name: **Devlan et al Thunder River** **N-73**Operator: **Devlan Exploration Inc.** Drilling Program No.:Contractor: **Akita Drilling** Interest identifier: **EL 373**Drilling Rig or Unit: **14** Estimated Well Cost: **\$1,700,000**Location-Unit: **D** Section: **66** Grid Area **67 30 – 131 15**Coordinates: Lat.: **N 67° 22' 51.615"** (Surface Co-Ordinates same as bottom hole) Long.: **W 131° 29' 15.918"**Area: **Grandview Hills** Field/Pool: **Thunder River**Elevation-KB/RT: **89m** (ASL) GL/Seafloor: **85m**Approx. Spud Date: **January 30, 2001** Est. Days on Location: **15**Anticipated Total Depth: **1200m** Target Horizons: **Hume, Bear Rock, Ordovician**

EVALUATION PROGRAM

Ten-metre sample intervals **N/A**Five-metre sample intervals **From Surface Casing to TD**Canned sample intervals **from casing shoe to TD every 10 metres**Conventional Tests **Possibility of 3 – Hume, Bear Rock, Ordovician**Logs and Tests **E-log, Sonic, Neutron – Density, GR-XY Caliper from TD – Surface Casing**

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing Program (m³)
406mm	96.73	H-40	30m	2.9T Artic Set Cement
219.1mm	35.72	J-55	300m	27.2T Artic Set Cement
139.7mm	23.1	J-55	1200m	30.2T Fill-Lite and Class G

B.O.P. Equipment: **Shaffer spherical 229mm x 21MPa annular preventer. 2 – Shaffer LWP 229mm x 21MPa single gate ram preventers**

Neutron 300 litre x 21MPa 8 station accumulator. National Oilwell Willis 46mm x 65mm x 21MPa choke manifold

Other Information:

Signed:  Title: **V.P. Engineering**Name: **Mark Algar** Company: **Devlan Exploration Inc.**Date: **January 10, 2001** Phone: **403-233-7778**

APPROVAL

An approved copy of this notice is to be posted at each wellsite.

Date: **January 25/01** Signed: File: **9211-D28-1-3** Chief Conservation OfficerWID: **1909**UWI: **300N736730131150**