

April 1, 1998

980351

7600-4800-59240-09

Mr. Andrew Arksey  
Reservoir Technologist  
Canadian Forest Oil Ltd.  
600 800 6<sup>th</sup> Ave SW  
CALGARY AB T2P 3G3

Copies for Approval Letter to Industry (11)

RE: GEP, Salt Water Disposals, etc.

<input type="checkbox"/>	G. Miltenberger
<input type="checkbox"/>	Data Management
<input checked="" type="checkbox"/>	R. Stefik
<input type="checkbox"/>	D. Richardson
<input type="checkbox"/>	P. Attariwala
<input type="checkbox"/>	G. Farr
<input type="checkbox"/>	S. Chicorelli
<input type="checkbox"/>	Resource Revenue
<input type="checkbox"/>	59240
<input type="checkbox"/>	Wellfiles (originals)
<input type="checkbox"/>	Daily

Dear Mr. Arksey:

**Re: Application For Pressure Maintenance Approval**  
**Rigel Halfway "Z" Pool**

This refers to your application dated January 28, 1998 wherein you requested approval of a waterflood pressure maintenance scheme in the subject oil pool.

Attached is Approval # 98-09-004 for the application, granted under section 100 of the Petroleum and Natural Gas Act.

Sincerely,



B. van Oort, P. Eng.  
Director  
Engineering and Operations Branch

PSA/mef

Attachment

APPROVAL 98-09-004


**THE PROVINCE OF BRITISH COLUMBIA**  
**PETROLEUM AND NATURAL GAS ACT**  
**MINISTRY OF ENERGY AND MINES**  
**ENERGY AND MINERALS DIVISION**

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IN THE MATTER of a pressure maintenance scheme of Canadian Forest Oil Ltd. (Canadian Forest) for waterflood recovery of oil by water injection into the Rigel Halfway "Z" Pool.

The Deputy Minister of Energy and Mines, pursuant to section 100 of the Petroleum and Natural Gas Act, R.S.B.C. 1996, c.361 orders as follows:

1. The pressure maintenance scheme of Canadian Forest for waterflood recovery of oil from the Rigel Halfway "Z" Pool as such scheme is described in the Application to the Ministry from Canadian Forest to the Ministry dated January 28, 1998 is hereby approved, subject to the terms herein contained.
2. The pressure maintenance scheme area shall be delineated by E/2 sec 29, SW/4 sec 29 and SE/4 sec 30-88-17 W6M.
3. The project oil allowable, being the sum of the individual well allowables, is 30 m<sup>3</sup>/d.
4. Water may be injected into the Rigel Halfway "Z" Pool through the well located at 8-29-88-17 W6M.
5. The scheme shall be deemed to have commenced upon water being injected into the well referred to in clause 4, with the Division being notified in writing of the date of commencement. (June 12, 1998)
6. The injection pressure at the sandface must not exceed the formation fracture pressure.
7. An oil well may be drilled anywhere within the project area provided that it is not completed nearer than 100 m to the sides of the project area.
8. Progress reports shall be filed as stipulated in Part 9, section 108 of the British Columbia *Drilling and Production Regulation*.
9. The operations of the pressure maintenance scheme will be subject to periodic review, and modification to the approval may be ordered, if deemed appropriate, by the Director of the Engineering and Operations Branch.

  
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Joan Hesketh  
Acting Deputy Minister  
Ministry of Energy and Mines

DATED AT the City of Victoria, in the Province of British Columbia, this 30<sup>th</sup> day of March, 1998.