



Copies for Approval Letters to Industry (10)  
D.L. Johnson  
Resource Revenue  
P.S. Attariwala  
R.G. Stefik  
G. Farr  
D. Richardson  
S. Chicorelli  
Daily  
Well File  
59070-04

0760-4800

Ref: 960652

July 4, 1996

CNRL Project (05)

Mr. E.P. (Paul) Vigneau P. Eng.  
Exploitation Engineer  
Canadian Natural Resources Limited  
2000, 425 1st Street S.W.  
Calgary, AB T2P 3L8

Dear Mr. Vigneau:

**Re: Application For Pressure Maintenance Approval  
Beavertail Halfway "H" Pool**

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This refers to your applications dated January 15, and May 27, 1996 wherein you requested approval of a waterflood pressure maintenance scheme in the Beavertail Halfway "H" oil pool.

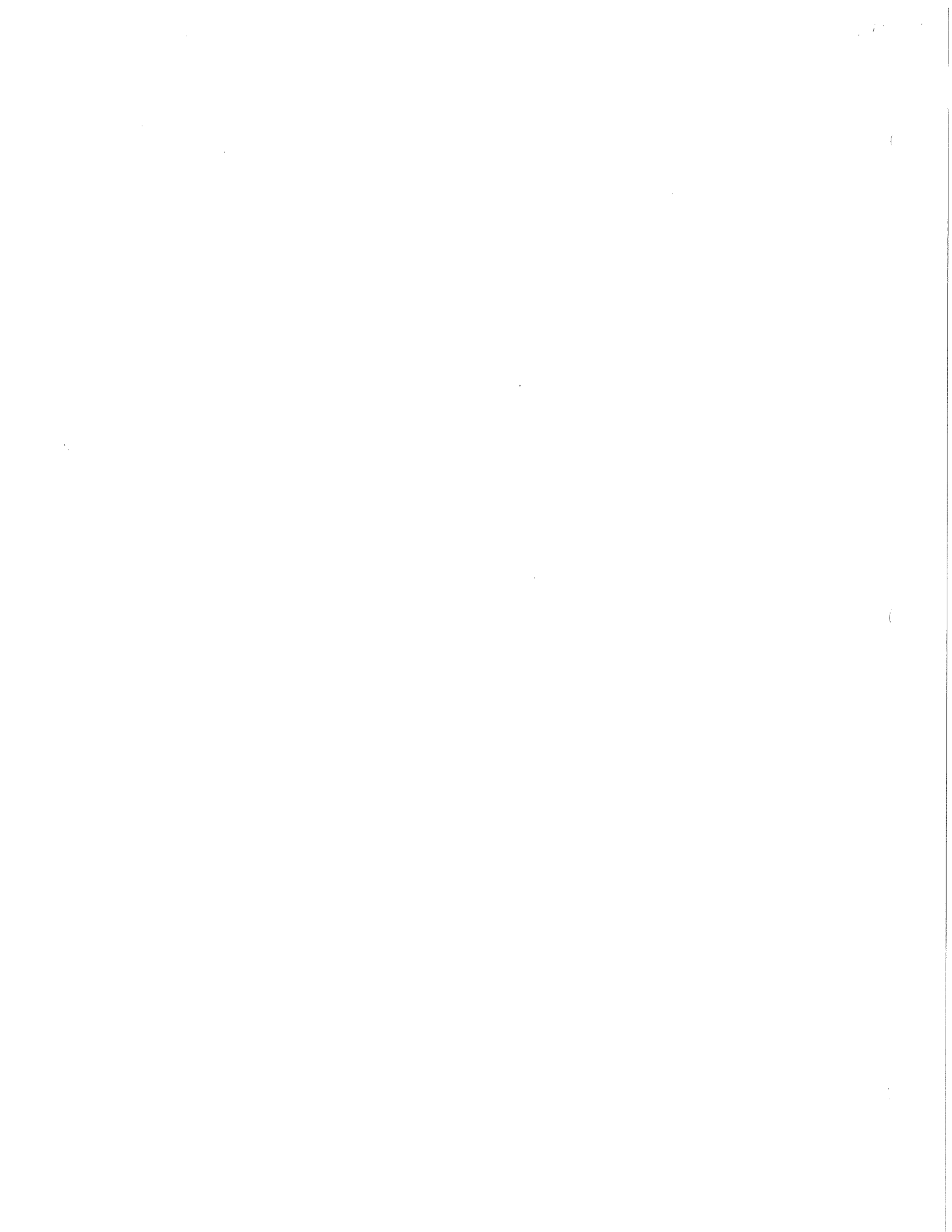
Attached is Approval # 96-09-004 for the application granted under section 116 of the *Petroleum and Natural Gas Act*.

Please note that the GEP Approval 95-06-009 (Amendment #2) dated April 11, 1996 is hereby rescinded.

Yours sincerely,

Bou van Oort  
Director  
Engineering and Operations Branch

Attachment



**APPROVAL 96-09-004**

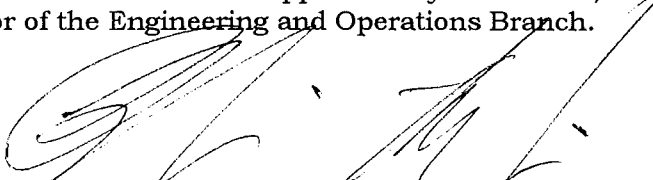
**THE PROVINCE OF BRITISH COLUMBIA  
PETROLEUM AND NATURAL GAS ACT  
MINISTRY OF EMPLOYMENT AND INVESTMENT  
ENERGY AND MINERALS DIVISION**

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IN THE MATTER of a pressure maintenance scheme of Canadian Natural Resources Limited (CNRL) for waterflood recovery of oil by water injection into the Beavertail Halfway "H" Pool.

The Minister of Employment and Investment, pursuant to section 116 of the *Petroleum and Natural Gas Act*, hereby orders as follows:

1. The pressure maintenance scheme of CNRL for waterflood recovery of oil from the Beavertail Halfway "H" Pool as such scheme is described in the Applications from CNRL to the Ministry dated January 15, and May 27, 1996 is hereby approved, subject to the terms herein contained.
2. The pressure maintenance scheme area shall be delineated by units 38-40, 48-50, 60 and 70 of Block A/94-A-15 and units 31, 41, 51 and 61 of Block B/94-A-15.
3. The reserves based project oil allowable is 108 m<sup>3</sup>/d.
4. Water may be injected into the Beavertail Halfway "H" Pool through the well a-50-A/94-A-15.
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.
6. The well head injection pressure must not exceed the formation fracture pressure.
7. All associated gas production will be conserved.
8. An oil well may be drilled anywhere within the project area provided that it is not nearer than 100 m to the sides of the project area.
9. Progress reports shall be filed as stipulated in Part 9, section 108 of the *British Columbia Drilling and Production Regulation*.
10. 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.

  
Blair Redlin on behalf of the  
Minister of Employment and Investment

DATED AT the City of Victoria, in the Province of British Columbia, this 28<sup>th</sup> day of June, 1996.

