

# Oil and Gas Commission

## Approval Letters to Industry COMMINGLED PRODUCTION

November 4, 1998

Peter Leong  
Geologist  
Petro-Canada Oil and Gas  
P.O. Box 2844  
Calgary AB T2P 3E3

| Copy                                |                      |
|-------------------------------------|----------------------|
| <input type="checkbox"/>            | Wellfile (originals) |
| <input type="checkbox"/>            | 59070-20             |
| <input type="checkbox"/>            | Daily                |
| <input type="checkbox"/>            | Resource Revenue     |
| <input checked="" type="checkbox"/> | R. Stefik            |
| <input type="checkbox"/>            | G. Farr              |
| Email                               |                      |
| <input type="checkbox"/>            | D. Krezanoski        |
| <input type="checkbox"/>            | P.S. Attariwala      |

OGC980802  
File: 5000/800-4100/4800-59070-20

Dear Peter Leong:

**RE: APPROVAL FOR COMMINGLED PRODUCTION**

Pex et al Jedney d-031-C/94-G-8; WA 01178; Baldonnel/Upper Charlie Lake "A" and Halfway "A"  
 Pex et al Jedney d-099-J/94-G-1; WA 00382; Baldonnel/Upper Charlie Lake "A" and Halfway "A"  
 Pex et al Jedney d-077-J/94-G-1; WA 00484; Baldonnel/Upper Charlie Lake "A" and Halfway "A"  
 Pex et al Jedney c-086-C/94-G-8; WA 00778; Baldonnel/Upper Charlie Lake "A" and Halfway "A"  
 Pex et al Jedney d-097-C/94-G-8; WA 00651; Baldonnel/Upper Charlie Lake "A" and Halfway "A"  
 Pex et al Jedney b-028-F/94-G-8; WA 00944; Baldonnel/Upper Charlie Lake "A" and Halfway "A"  
 Pex et al Jedney d-053-C/94-G-8; WA 00820; Baldonnel/Upper Charlie Lake "A" and Halfway "A"  
 Pex et al Beg a-021-F/94-G-1; WA 00711; Baldonnel "B" and Halfway "A"  
 Pex et al Beg b-006-K/94-G-1; WA 00740; Baldonnel "B" and Halfway "A"

The Commission has reviewed your application dated October 5, 1998, requesting permission to commingle gas production from the Baldonnel and Halfway gas pools of the Jedney and Beg fields encountered in the subject wells.

Gas compositions of the two formations contain a similar level of sour gas. Both Jedney and Beg are mature fields where liquids associated with gas production cause wells to load-up, which can be prevented with commingled production. Accordingly, commingling will improve the economics and well production rates. Current reservoir pressures in the Jedney field are fairly similar and cross flow between the two zones is not considered a problem.

As Petro-Canada is the licensee of all wells in the immediate area completed in and producing from the Baldonnel and Halfway gas pools, as currently mapped, equity issues are not seen as being a concern.

We wish to advise you that your application to commingle production is hereby approved, under the authority of Section 41 of the *Drilling and Production Regulation*, subject to the following conditions:

1. Production from the Baldonnel and the Halfway pools, as listed above, may be commingled in the subject wells.
2. Gas, condensate and water production should be allocated on the Ministry of Energy and Mines BC S-1 and BC S-2 forms as proposed in your application;

**WELL**

**Jedney**

d-031-C/94-G-8; WA 01178  
 d-099-J/94-G-1; WA 00382  
 d-077-J/94-G-1; WA 00484  
 c-086-C/94-G-8; WA 00778  
 d-097-C/94-G-8; WA 00651  
 b-028-F/94-G-8; WA 00944  
 d-053-C/94-G-8; WA 00820

**POOL ALLOCATION (%)**

|                          | Baldonnel/Upper Charlie Lake "A" | Halfway "A" |
|--------------------------|----------------------------------|-------------|
| d-031-C/94-G-8; WA 01178 | 54                               | 46          |
| d-099-J/94-G-1; WA 00382 | 34                               | 66          |
| d-077-J/94-G-1; WA 00484 | 47                               | 53          |
| c-086-C/94-G-8; WA 00778 | 79                               | 21          |
| d-097-C/94-G-8; WA 00651 | 90                               | 10          |
| b-028-F/94-G-8; WA 00944 | 60                               | 40          |
| d-053-C/94-G-8; WA 00820 | 73                               | 27          |

Applications and Approvals Branch

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Victoria BC V8W 9N3

Location:  
6<sup>th</sup> Flr 1810 Blanshard St  
Victoria BC

Phone: (250) 952-0302  
Fax: (250) 952-0291

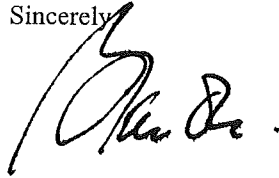
**Beg**  
a-021-F/94-G-1; WA 00711  
b-006-K/94-G-1; WA 00740

**Baldonnel "B"**  
65  
47

**Halfway "A"**  
35  
53

3. This approval may be modified at a later date if deemed appropriate through a change in circumstances.

Sincerely,



B. van Oort, P. Eng.  
Director  
Subsurface Administration Branch  
Oil and Gas Commission

cc: Resources Branch  
Ministry of Energy and Mines