

Oil and Gas Commission

November 4, 1998

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

Approval Letters to Industry COMMINGLED PRODUCTION

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	POOL ALLOCATION (%)	
	Baldonnel/Upper Charlie Lake "A"	Halfway "A"
Jedney		
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

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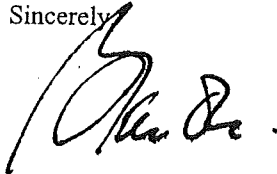
Beg
a-021-F/94-G-1; WA 00711
b-006-K/94-G-1; WA 00740

Baldonnel "B"
65
47

Halfway "A"
35 ← *on Oct 1989*
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