



Province of
British Columbia

Approval letters to industry

dings

bcc: D.L. Johnson
Resource Revenues
Data Management
S. Foofat
D. Richardson
Wellfile 921260

December 23, 1992

S. Chic

Mr. Craig R. Schneider
Canadian Jorex Limited
2870 Bow Valley Square IV
250 - 6th Avenue S.W.
Calgary, Alberta
T2P 3H7

(revised) Wainoco Project (02)

Dear Mr. Schneider:

**RE: MODIFICATION TO CONCURRENT PRODUCTION SCHEME
26-84-17 W6, FLATROCK - HALFWAY 'E' POOL**

This refers to your application dated December 14, 1992, requesting a daily oil allowable for the well CJX PPEC Flatrock 2-26-84-17 (W.A.# 7940).

A concurrent production scheme was approved for this section effective July 6, 1984, with an approved modification dated January 14, 1992. Amendments to the conditions of the concurrent production scheme are as following:

2. & 3. The daily oil and gas allowables of each well are as follows:

Well	Oil Allowable (m ³ /d)	Gas Allowable (10 ³ m ³ /d)
10-26-84-17	12.0	17.1
6-26-84-17	10.1	9.0
2-26-84-17	11.0	9.8

The remaining conditions of our original approval remain unchanged.

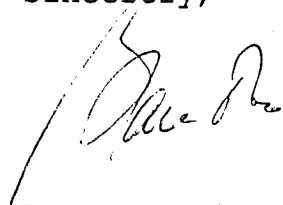
In regards to your request for a re-evaluation of the oil pay in the other Halfway wells in section 26, ministry geological staff have reviewed the well data and have denied your request to included assigned gas pay intervals as oil. Net pay figures and daily allowables will remain unchanged.

...2

Mr. Craig R. Schneider
December 31, 1992
Page 2

If you have any questions, please contact Peter Attariwala
at (604) 356-2762.

Sincerely,

A handwritten signature in black ink, appearing to read 'B. van Oort', written over a horizontal line.

B. van Oort
Acting Director
Engineering and Operations Branch

Attachment



Well Authorization No. 7940

U.W.I. 2-26-84-17-W6M

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

**APPLICATION FOR
DAILY OIL ALLOWABLE (DOA) INDIVIDUAL WELL**

Form to be submitted in duplicate to the Energy Resources Division, Ministry of Energy, Mines and Petroleum Resources, Victoria, B.C.

DEC 17 1992

ENERGY RESOURCES
DIVISION
FILE ROOM

Initial Application/Revision No.

Well name CJX PPEC Flatrock Location 2-26-84-17-W6M

Field Flatrock Pool Halfway

Factors	Nominal Values	Owner's Calculations		Branch Calculations
		Values Obtained From	Values Used in This Calculation	
Depth to top oil pay	mKb	logs	1475.5	1477.2
Depth to bottom oil pay	mKb	logs	1481.0	1481.0
Average net pay thickness	h metres	logs	5.5	3.8
Average net porosity	∅ 10 per cent	logs	17	16.5
Average interest. water	C 25 per cent	logs	35	41.3
Average shrinkage	S 0.75	6-26 DOA	0.80	0.800
Recovery factor	R 20 per cent	6-26 DOA	20	20
Expected uniform rate life	L 10 years	assumed	10	10
Assigned area	A hectares	Pool Maps	64	65.4
$F_{PS} = \left(\frac{\emptyset}{10}\right) \left(\frac{100-C}{75}\right) \left(\frac{S}{0.75}\right) =$			1.572	1.377
$F_{RL} = \left(\frac{R}{20}\right) \left(\frac{10}{L}\right) =$			1.000	1.000
$F_A = \left(\frac{A}{31.05}\right) =$			2.061	2.106
$UDOA = (h) \left(F_{PS}\right) \left(F_{RL}\right) \left(F_A\right) = \text{m}^3/\text{d}$			17.8	11.0

Dated at Calgary, Alberta this 11th day of December, 19 92

Signed by Craig Schneider Company CANADIAN JOREX LIMITED

Position Engineering Consultant

(For Division use only.)

NOTE: Daily Gas Allowable = DOA * 5 * 177.3 = 9.8 10³ m³/d
APPROVAL

Off-target penalty factor 1.000 Daily oil allowable 11.0 m³/d, before gas-oil ratio penalty.

Date effective December 11, 1992

Field Flatrock Pool Halfway

Dated December 23, 19 92

R.G. Stefik
R.G. Stefik
Officer of the Division