

bcc: P.K. Huus
W.L. Ingram

Ref. No. 8765

1987 01 27

Soquip Alberta Inc.
600 Selkirk House
555 - 4th Avenue, S.W.
Calgary, Alberta
T2P 3E7

*1987 Project
SOQUIP PROJECT (05)*

Attention: Mr. Barry Meier, P. Eng.

Dear Sir:

Re: Application for Concurrent Production
Soquip et al Ft St John 8-26-83-18 W6M
Fort St. John - North Pine "A"

This acknowledges receipt of your application dated 1986 12 04 requesting concurrent production approval for the well Soquip et al Ft St John 8-26-83-18.

A concurrent production scheme is already in operation in the Fort St. John North Pine "A" pool. In view of this and the interpretation that the 8-26 oil well is producing from the same pool, we wish to advise that your application for concurrent production is hereby approved subject to the following conditions:

1. The area of concurrent production is Section 26-83-18 W6.
2. The oil allowable for the well, based on volumetric oil reserves in the oil spacing area (SE 1/4 Section), is 5.1 m³/d.
3. The gas allowable for the area, based on volumetric gas reserves in the area of approval, is 15.3 10³ m³/d.
4. Gas production will be conserved.
5. This approval may be modified at a later date if deemed appropriate through a change in circumstances.

Yours truly,

K.J. Hindmarch
Director, Engineering and Operations

PSA/ket

cc: D.L. Johnson



Well Authorization No. 6556

U.W.I. _____

MINISTRY OF ENERGY, MINES AND PETROLLUM RESOURCES

PETROLEUM RESOURCES DIVISION

APPLICATION FOR DAILY OIL ALLOWABLE (DOA)

INDIVIDUAL WELL

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

Initial Application/Revision No. 1

Well name SOQUIP et al Ft. St. John Location 8-26-83-18 W6M

Field Airpot Fort St. John Pool North Pine Sandstone

Depth to top of oil PAY 1373.0 1372.8 KB obtained from logs

Depth to bottom of oil PAY 1375.0 1374.4 KB obtained from logs

Factors	Nominal Values	Owner's Calculations		Branch Calculations
		Values Obtained From—	Values Used in This Calculation	
Average net pay thickness T		logs	2.0 (minimum)	1.6
Average net porosity f	10 per cent	CNL-LDT	14%	14.7
Average interst. water C	25 per cent	logs	24%	22.2
Average shrinkage S	0.75	Gov't	0.786	0.786
Recovery factor R	20 per cent	assumed	20	20
Expected uniform rate life L	10 years	assumed	10	10
$F_{PS} = \left(\frac{f}{10} \right) \left(\frac{100-C}{75} \right) \left(\frac{S}{0.75} \right) =$			1.4868	1.598
$F_{RL} = \left(\frac{R}{20} \right) \left(\frac{10}{L} \right) =$			1.0000	1.0
$F_A = 2$			2.0000	2.0
$UDOA = (T) \left(F_{PS} \right) \left(F_{RL} \right) \left(F_A \right) =$			5.95	5.1

Dated at Calgary, Alberta this 4th day of December, 1986

Signed by Barry Meier Company SOQUIP Alberta Inc.

Position Engineering Manager

(For Division use only.)

APPROVAL

Off-target penalty factor 1.0 Daily oil allowable 5.1 m³/d, before gas-oil ratio penalty.

Date effective January 1, 1987

Field Fort St. John Pool North Pine "A"

Dated January 26, 1987

Barry Meier