



DCC: P.K. HU 85 ✓

Ref. No. 84221

1984 02 27

Murphy Oil Company  
P.O. Box 2721  
Calgary, Alberta  
T2P 2M7

Attention: Mr. S. C. Crosby, P. Eng.

Dear Sir:

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MURPHY PROJECT (2)

Re: Application for Approval of a Concurrent Production Scheme  
Murphy et al Elm b-62-C/94-H-7, Elm Halfway 'A' Pool

This will acknowledge receipt of your application dated 1984 01 26 requesting approval of a concurrent production scheme from the Elm Halfway 'A' Pool.

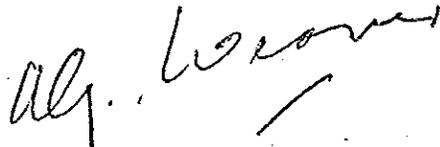
A detailed geological review of the Halfway sand in the Elm area was conducted by the Division. It was determined that the Halfway 'B' sand of the b-83-C/94-H-7 well is part of a much more widespread facies than the Halfway 'A' sand at b-62-C/94-H-7 and that the Halfway 'A' sand occupies a lower stratigraphic position than the Halfway 'B' sand. Also, reservoir segregation exists between these two sands. The well at b-61-C contains no Halfway sand whereas the wells b-73-C and b-74-C/94-H-7 contain Halfway 'B' sand only. It was concluded that the zero edge of Halfway 'A' likely occurs in close proximity to b-62-C. The exact structural configuration of the Halfway 'A' was difficult to establish in the absence of sufficient well control, however, only a portion of the gas spacing area of the b-62-C well is likely to contain gas reserves. Therefore, three quarters of a gas spacing area has been included in the calculation of the gas allowable for this well.

On this basis we wish to advise that your application for concurrent production is approved subject to the following conditions:

1. The area of concurrent production scheme consists of units 52, 53, 62 and 63-Block C/94-H-7.
2. The oil allowable for the area is  $13.0 \text{ m}^3/\text{d}$  (82 STB/D).
3. The gas allowable for this area is  $15.5 \times 10^3 \text{ m}^3/\text{d}$  (552 MSCF/D).
4. Gas production will be conserved.
5. This approval could be modified at a later date if deemed appropriate through a change in circumstances.

Yours truly,

PETROLEUM RESOURCES DIVISION



A. G. T. Weaver  
Director, Engineering and Operations  
(604) 387-5993

PSA:him

cc: D. L. Johnson