

# Oil and Gas Commission

March 15, 1999

3460-4800-32640-02  
OGC 990213

Mr. James Twanow, P. Eng.  
Petroleum Engineer  
Murphy Oil Company Ltd.  
P.O. Box 2721  
Calgary, AB T2P 3Y3

Dear Mr. Twanow:

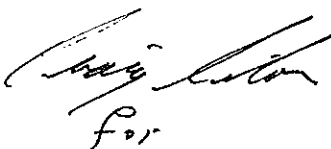
**RE: APPLICATION FOR SALT WATER DISPOSAL**  
**Murphy et al Elm d-83-C/94-H-7 (WA# 2712)**

The Commission has reviewed your application dated January 29, 1999 requesting disposal of produced water into the Halfway formation of the subject well.

We concur that the well d-83-C/94-H-7 is a good candidate for salt water disposal in the Halfway formation. Notice of your application was published in two issues of *The BC Gazette*. As no written objections were received, your application is approved as submitted.

Attached is Approval 99-02-002 for the application granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*.

Sincerely,



Bou van Oort, P. Eng.  
Director  
Engineering and Geology Branch

Attachment

cc: Petroleums Lands Branch  
Ministry of Energy and Mines

Approval Letters to Industry  
GEP, SWD, CONCURRENT PROD,  
PRESSURE MAINTENANCE,  
WATERFLOOD, ETC.

Copy

<input type="checkbox"/>	Wellfile (originals)
<input type="checkbox"/>	59240
<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. Krezanowski
<input type="checkbox"/>	S. Chicorelli

**APPROVAL 99-02-002**

**THE PROVINCE OF BRITISH COLUMBIA  
PETROLEUM AND NATURAL GAS ACT  
DRILLING AND PRODUCTION REGULATION  
OIL AND GAS COMMISSION**

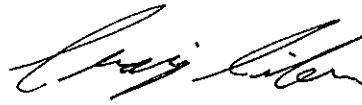
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IN THE MATTER of a scheme of Murphy Oil Company Ltd. (Murphy) for Salt Water Disposal (SWD) in the Halfway formation in the well Murphy et al Elm d-83-C/94-H-7 (WA# 2712).

NOW, THEREFORE, pursuant to Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*, the SWD scheme is hereby approved, as such scheme is described in

*an application from Murphy to the Commission dated January 29, 1999.*

1. The water disposal interval must be in the Halfway formation.
2. A record of volume of salt water disposed of through this well must be included on a Monthly Injection/Disposal Statement, in the prescribed form (BC-S18), which must be submitted to the Oil and Gas Commission not later than the 25th day of the month following the reported month.
3. The disposal/injection pressure at the sandface must not exceed the formation fracture pressure.
4. This approval may be modified or rescinded if deemed appropriate through a change in circumstances.



for

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Bou van Oort, P.Eng.  
Director  
Engineering and Geology Branch  
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 15<sup>th</sup> day of March, 1999.