



January 22, 2001

4700-7000-32640-02
OGC – 01012

Mr. Hali Sobkowich
Well Test Technician
Penn West Petroleum Ltd.
P.O. Box 1450, Station "M"
Calgary, AB T2P 2L6

Dear Mr. Sobkowich:

RE: APPLICATION FOR SALT WATER DISPOSAL
Penn West Hz Helmet a-34-A/94-P-11; WA 12467

The Commission has reviewed your application dated December 4, 2000 requesting disposal of produced water into the Mississippian formation of the subject well.

We concur that the well a-34-A/94-P-11 is a good candidate for salt water disposal into the Mississippian 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 01-02-003 for the application granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*.

Sincerely,

Craig Gibson, P. Eng.
Manager
Reservoir Engineering and Geology

Attachment

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

Copy 9

- Wellfile (originals)
- 59240
- Daily
- Resource Revenue
- S. Chicorelli
- R. Stefik
- G. Farr
- P. Attariwala
- D. Krezanoski

ENGINEERING AND GEOLOGY BRANCH

PO Box 9329 Stn Prov Gov't, Victoria BC V8W 9N3 Tel: (250) 952-0302 Fax: (250) 952-0291
Location: 6th Flr 1810 Blanshard St. Victoria BC

APPROVAL 01-02-003

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

IN THE MATTER of a scheme of Penn West Petroleum Ltd. (Penn West) for Salt Water Disposal (SWD) in the Mississippian formation in the well Penn West Hz Helmet a-34-A/94-P-11 (WA# 12467).

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 Penn West to the Commission dated December 4, 2000.

1. The water disposal interval must be in the Mississippian 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 This approval may be modified or rescinded if deemed appropriate through a change in circumstances.



Craig Gibson
Manager
Reservoir Engineering and Geology
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 22nd day of January, 2001.