



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

October 21, 1998

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File: 4700-8200-59240-06
980775

Ms. Iska Kolackovsky
Engineering Technician
Penn West Petroleum Ltd.
800 111 5 Ave SW
Calgary AB T2P 3Y6

*Penn West Project (03)
(wells mapped in "F" pool)*

Dear Ms. Kolackovsky:

**RE: GOOD ENGINEERING PRACTICE APPROVAL AMENDMENT
HELMET JEAN MARIE**

Attached is an amendment to the Good Engineering Practice (GEP) scheme approval for a portion of the subject field, as requested in your application of October 6, 1998.

The Approval 97-06-008 (Amendment #1) is hereby granted under Part 8, Division 6, section 104 of the British Columbia *Drilling and Production Regulation*.

This approval is intended to allow operational flexibility for drilling wells without spacing and target considerations while maximizing gas recovery.

Yours sincerely,

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

PSA/mef

Attachment

APPROVAL 97-06-008 (AMENDMENT #1)

THE PROVINCE OF BRITISH COLUMBIA
PETROLEUM AND NATURAL GAS ACT
DRILLING AND PRODUCTION REGULATION
MINISTRY OF ENERGY AND MINES
ENERGY AND MINERALS DIVISION

IN THE MATTER of a Good Engineering Practice (GEP) scheme of Penn West Petroleum Ltd. (Penn West) for producing Jean Marie gas from a portion of the Helmet field without well spacing and target restrictions.

NOW, THEREFORE, the Division Head, pursuant to Part 8, Division 6, section 104 of the *Drilling and Production Regulation*, hereby approves an amendment to the GEP project of Penn West for drilling wells without spacing and target restrictions, as such scheme is described in

an Application from Penn West to the Division dated October 6, 1998 and related submission.

This project is approved, subject to the conditions herein contained and in particular:

1. The area of the scheme shall consist of:

94-P-10/Block D - units 60, 70, 80, 90, 100

94-P-10/Block E - units 10, 20, 30

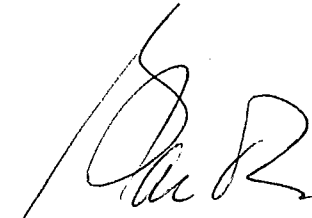
94-P-11/Block A - units 34 - 40, 44 - 100

94-P-11/Block B - units 31, 41, 51, 61, 71 - 73, 81 - 83, 91 - 95

94-P-11/Block G - units 1 - 5, 11 - 15, 21 - 25, 31 - 39, 41 - 49, 51 - 59, 61 - 69,
71 - 79, 81 - 89

94-P-11/Block H - units 1 - 30, 34 - 40, 44 - 50, 54 - 60, 64 - 70, 78 - 80, 88 - 90

2. The requirements of section 10 of the *Drilling and Production Regulation* are hereby waived, provided that gas wells within the scheme area are not completed nearer than 250 m to the sides of the approved area.
3. The gas wells within the project area may be produced without individual well allowable restrictions.
4. This approval may be modified or rescinded at a later date if deemed appropriate.



B. van Oort, on behalf of
the Division Head
Energy and Minerals Division

DATED AT the City of Victoria, in the Province of British Columbia, this 21st day of October, 1998.