

February 6, 2006

4700-8200-59240-06 OGC - 06039

Deanna Burgart, C.E.T. Regulatory Technologist Petrofund Corp. 600, 444 – 7<sup>th</sup> Avenue S.W. CALGARY AB T2P 0X8

Petrofund Project (19)

Dear Ms. Burgart:

RE: GOOD ENGINEERING PRACTICE APPROVAL, AMENDMENT #1 HELMET – JEAN MARIE "A" POOL

The Commission has reviewed your application dated January 3, 2006 requesting a Good Engineering Practice (GEP) scheme approval amendment, for producing a portion of the Helmet – Jean Marie "A" gas pool.

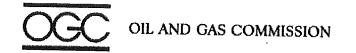
Attached is GEP scheme Approval 05-06-024 (Amendment #1), granted under Part 8, Division 6, Section 101 of the *Drilling and Production Regulation*. This approval is intended to allow operational flexibility and to allow the production of additional gas wells for maximization of gas recovery. The amendment expands the area of the original approval.

Please note that the well PTF et al Helmet d-25-J/94-P-10 (WA 6789) was issued an off-target penalized daily gas allowable (DGA) of 13.3 e<sup>3</sup>m<sup>3</sup> on July 15, 1999. Also, the well PTF Helmet c-89-G/94-P-10 (WA 5718), which commenced production in March 2003, is located outside of the gas target area. A penalized DGA of 8.8 e<sup>3</sup>m<sup>3</sup> is attached for the well c-89-G. Production records indicate that both wells are currently producing within their daily production limit.

Should you have any questions, please contact Ron Stefik at (250) 952-0310.

Sincerely,			
	Approval Letters to Industry GEP, SWD, Concurrent Prod, Pressure Maintenance, Waterflood, Etc.  Copy 12		
/Richard Slocomb, P. Eng.	Daily E. O'Neill		
A/Director	Wellfile J. Merson		
Resource Conservation Branch	59240 D. Krezanoski		
	R. Slocomb L. Miller		
Attachments	R. Stefik Resource Rev. G. Farr S. Chicorelli		

RESOURCE CONSERVATION BRANCH



Mailing Address: Resource Conservation Branch PO BOX 9329 STN PROV GOV'T VICTORIA BC V8W 9N3

Location:

1810 Blanshard St - 6th Fl Victoria BC V8T 4J1 Phone: (250) 952-0302 (250) 952-0291

## FAX:

## APPLICATION FOR DAILY GAS ALLOWABLE (DGA) Individual Well

Form must be submitted under the authority of the Petroleum and Natural Gas Act R.S.B.C. 1996, c. 361, Drilling and Production Regulation, s.88, to the Oil and Gas Commission, at the address noted above. Information collected on this form will be used for public record in accordance with s.57 of the

	☐ Initial Ap	plication		☐ Revision	No			
Well Name	PTF Helmet c-89-G/94-P-10					Well Authorization No. 5718		
Field	Helmet				Pool Jean Marie "A"			
Factors Units		Val	Owner's Calcula  Values Obtained Values from		es Used in This	COMMISSION USE ONLY Branch Calculations		
Depth to top gas pay		mKb		nom		Calculation	1158.1	
Depth to bottom gas pay		mKb				82	1166.1	
Assigned area	А	hectares					261.8	
Average net pay thickness	h	metres					6.6	
Average net porosity	φ	fraction				· · · · · · · · · · · · · · · · · · ·	0.059	
Average water saturation (Nominal 0.25)	S <sub>w</sub>	fraction					0.272	
initial pool pressure at MPP	Pi	kPaa					6,881	
Formation temperature	Т	К					336	
Initial supercompressibility factor	Z <sub>i</sub>						0.920	
Recovery factor	R	fraction					0.90	
Unadjusted Daily Gas Allowable	e (10 <sup>3</sup> m <sup>3</sup> ) =	Ahø(1- Sw)	$\frac{P_i R}{\Gamma Z_i}$ $\left(\frac{1}{3.68}\right)$	50			11.6	
Name			<u> </u>	Position				
Signature			·· · · · · · · · · · · · · · · · · · ·	Company	<del></del>			
Date		Phone No.			FAX N	0.		
		APPR	OVAL (fo	or commission use	only)			
Off-target penalty factor	0.1470 Daily gas allowable 8.8 10 <sup>3</sup> m <sup>3</sup> (minimum UDGA is 60.0 10 <sup>3</sup> m <sup>3</sup> in accordance with Section 1 of the Drilling and Production Regulation)							
Date Effective March 1, 2	003					W. Codion Torale Di	ung una rroduction kegutation)	
Field Helmet				Pool Jean Ma	rie "A"	/		
Approval Date February 3 GC_038_DGA Rev. 99/05	, 2006			R. G. Ste	Afik W	Authorized	Commission Employee	
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