

Ministry of Energy, Mines and Petroleum Resources

Parliament Buildings Victoria British Columbia V8V 1X4

November 16, 1993

File:

7620-2700A-59240-07

931155

Mr. Michael B. Woofter Operations Supervisor Remington Energy Ltd. 750, 550-6th Avenue S.W. Calgary, Alberta T2P 0S2

Approval letters to Industry (9)

Daily FILE

D.L. Johnson Resource Revenues Data Management S. Foofat D. Richardson S. Chicorelli Wellfile

Dear Mr. Woofter:

RE: GOOD ENGINEERING SCHEME MODIFICATION RIGEL EAST - GETHING "A" POOL

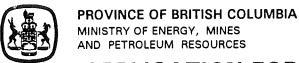
This is with respect to the Good Engineering Practice (GEP) scheme which was approved on July 18, 1991, and revised on January 20, 1993 and October 18, 1993, for the subject pool. The revised project area consisted of Sections 2, 3, 10, and 15-88-16 W6M.

Remington Energy Ltd. requests that Section 2-88-16 be removed from the project area and that the well Remington POCO E Rigel 14-2-88-16 be granted an individual well gas allowable. There are currently two other producing gas wells in this pool, wells 10-12-88-16 and 6-23-88-16.

In view of the above, we wish to advise that conditions 1 and 3 of our approval dated July 18, 1993 are hereby modified as follows:

- 1. The area of the approval is Section 3, 10 and 15-88-16 W6M.
- 3. Gas production from the project area shall be limited to 45.7 103m3/day which is based on our estimate of gas reserves underlying the project.

All other conditions of the original approval remain unchanged.



Energy Resources Division 6th Fir, 1810 Blanshard Street Victoria, British Columbia V8V 1X4

Phone: Fax: (604) 952-0302 (604) 952-0291

## APPLICATION FOR DAILY GAS ALLOWABLE

## Individual Well

Form to be submitted under the authority of the <u>Petroleum and Natural Gas Act</u> R.S.B.C. 1979, c. 323, <u>Drilling and Production</u>
<u>Regulation</u>, s.91, to the Energy Resources Division, Ministry of Energy, Mines and Petroleum Resources, at the address noted above.

Information collected on this form will be used for public record in accordance with s.60 of the <u>Drilling and Production Regulation</u>.

X Initial Application		Revision No.				
Well Name Remington POCO E Rigel		14-2-88-16		Well Authorization	Well Authorization No. 7437	
Field Rigel East			Pool <sup>G</sup>	ething "A"		
Factors	Units	1	Owne Obtained om	values Used in This Calculation	Division Calculations	
Depth to top gas pay	mKB				1068.5	
Depth to bottom gas pay	mKB				1070.8	
Assigned area	(A) hectares				263.9	
Average net pay thickness	(h) metres				2.3	
Average net porosity	(Ø) fraction				.184	
Average water saturation (Nominal 0.25)	S <sub>w</sub> ) fraction				.154	
Initial pool pressure at MPP	(P <sub>i</sub> ) kPaa				9218	
Formation temperature (	(T) K				328	
Initial supercompressibility factor (	Z <sub>i</sub> )				.857	
Recovery factor	(R) fraction				.900	
Unadjusted Daily Gas Allowable $(10^3 \text{ m}^3) = \left(\frac{\text{AhØ}(1-S_w)P_i \text{ R}}{35.16398\text{TZ}_i}\right) \left(\frac{1}{3.650}\right)$					21.7	
Name			Position			
Signature			Company			
Date	Phone No.	<del> , ,</del>		FAX No.		
	APPROVA	AL (For	ministry use	only)		
Off-target penalty factor 1.0			Daily gas allowable $60.0$ 10 m <sup>3</sup>			
(minimum UDGA is 60.0 10 <sup>3</sup> m <sup>3</sup> in acco	ordance with sec	tion 1 of	the <u>Drilling and</u>	Production Regulation)		
Date effective November 16	, 1993					
Field Rigel East			Pool Gething "A"			
Dated November 16, 1993			Officer of the Division			