



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

*Amendment
to Proj (02)*

Approval letters to Industry (9)

- cc: D.L. Johnson
- Resource Revenues
- Data Management
- S. Foofat
- D. Richardson
- S. Chicórelli
- Wellfile
- Daily
- FILE

RS

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.



APPLICATION FOR DAILY GAS ALLOWABLE

Individual Well

Form to be submitted under the authority of the Petroleum and Natural Gas Act R.S.B.C. 1979, c. 323, Drilling and Production Regulation, 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 Drilling and Production Regulation.

Initial Application Revision No. _____

Well Name Remington POCO E Rigel 14-2-88-16 Well Authorization No. 7437

Field Rigel East Pool Gething "A"

Factors	Units	Owner's Calculations		Division Calculations
		Values Obtained from --	Values Used in This Calculation	
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 _w)	fraction			.154
Initial pool pressure at MPP (P _i)	kPaa			9218
Formation temperature (T)	K			328
Initial supercompressibility factor (Z _i)				.857
Recovery factor (R)	fraction			.900
Unadjusted Daily Gas Allowable (10 ³ m ³) = $\left(\frac{AhØ(1-S_w)P_i R}{35.16398TZ_i} \right) \left(\frac{1}{3.650} \right)$				21.7

Name	Position	
Signature	Company	
Date	Phone No.	FAX No.

APPROVAL (For ministry use only)

Off-target penalty factor 1.0	Daily gas allowable 60.0	10 ³ m ³
<i>(minimum UDGA is 60.0 10³ m³ in accordance with section 1 of the Drilling and Production Regulation)</i>		
Date effective November 16, 1993		
Field Rigel East	Pool Gething "A"	
Dated November 16, 1993	Officer of the Division	