

Date: July 19, 1978

OFFICE CORRESPONDENCE

To: W. F. Covert

RLR 0071-78

From: W. T. Amies

Subject: Non-Routine Gas Analysis

Sample Source: Test well near Mist, Oregon @ approx. 2,100 ft. depth.

Sample Type: Suspected Leak() Well Gas(X) LPG() Other (Describe)()

Sampled On: 7/14/78 By: W.F. Covert Run On: 7/18/78 By: W.T. Amies

Analytical Results (Vol. %)

Gas	Formula	Sample 1	Sample 2	Mean
Methane	CH ₄	29.90	45.09	37.50
Ethane	C ₂ H ₆	0.01	0.02	0.01
Propane	C ₃ H ₈	-----	-----	-----
i-Butane	C ₄ H ₁₀	-----	-----	-----
n-Butane	C ₄ H ₁₀	-----	-----	-----
i-Pentane	C ₅ H ₁₂	-----	-----	-----
n-Pentane	C ₅ H ₁₂	-----	-----	-----
Hexanes	C ₆ H ₁₄	-----	-----	-----
Carbon Dioxide	CO ₂	0.13	0.07	0.10
Nitrogen	N ₂	69.96	54.82	62.39
Other	--	-----	-----	-----

Conclusions: ~~Gas is (---) is not(---) ours --- Resample to confirm(==)~~.

Comments:

Sample 1:	BTU/cf = 303.4	Sp. Grav. 0.845	Mol. Wt. = 24.045
Sample 2:	" 457.6	" 0.782	" 22.847
Sample 3:	" 380.5	" 0.814	" 23.541

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WTA:jt
cc: D. L. Foley
G. F. Rogers