

Date: June 21, 1978

OFFICE CORRESPONDENCE

To: W. F. Covert

RLR 0064-78

From: W. T. Amies

Subject: Non-Routine Gas Analysis

Sample Source: Well at S 1/2 Sec. 33, T12S, R15E, Jefferson County.Well I.D. = API No. 36-031-20001

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

Sampled On: 6/14/78 By: V. Newton Run On: 6/16/78 By: W.T. Amies

Analytical Results

<u>Gas</u>	<u>Formula</u>	<u>Present?</u>	<u>Vol. Pct. (Optional)</u>
Methane	CH ₄	Yes	0.287
Ethane	C ₂ H ₆	Yes	0.010
Propane	C ₃ H ₈	Yes	0.263
i-Butane	C ₄ H ₁₀	Yes	0.005
n-Butane	C ₄ H ₁₀	Yes	0.003
i-Pentane	C ₅ H ₁₂	---	-----
n-Pentane	C ₅ H ₁₂	---	-----
Hexanes	C ₆ H ₁₄	---	-----
Carbon Dioxide	CO ₂	Yes	61.530
Nitrogen	N ₂	Yes	37.902
Other	--	--	---

Conclusions: Gas is() is not() ours. Resample to confirm().Comments: Interesting to find even trace amounts of C₂ and higher hydrocarbons
2/3 of a mile down! Total combustibles in sample = 0.568%.*W. T. Amies*

W. T. Amies

WTA:jt

cc: D. L. Foley

V. Newton - Oregon State Dept. of Geology