

NORTHWEST NATURAL GAS COMPANY

December 4, 1981

OFFICE CORRESPONDENCE

RLR 0196-81

W. L. Gibbs - circulate

W. T. Amies

WELL-GAS ANALYSIS

Sampled at _____ (am) _____ (pm) on _____ by _____. Run _____ by W.T.A.

Source: Ehrens Petroleum well

(_____ 1/4 _____ 1/4 Section 20 T 9 S R 11 W Lincoln County, OR

Gas	#1	#2
O ₂	0.01	0.01
N ₂	4.24	4.39
CH ₄	95.51	95.57
CO ₂	0.24	0.03
C ₂ H ₆	0.00	0.00
C ₃ H ₈	0.00	0.00
iC ₄ H ₁₀	0.00	0.00
nC ₄ H ₁₀	0.00	0.00
iC ₅ H ₁₂	0.00	0.00
nC ₅ H ₁₂	0.00	0.00
C ₆ H ₁₄	0.00	0.00
BTU/cf	939.1	940.1
Sp. Grav.	0.558	0.557
Or Fact.	1,257.0	1,259.6
Mol. Wt.	16.936	16.578

Comments: These two samples are essentially air-free and show excellent repeatability. No hydrocarbons beyond methane were detected.

W. T. Amies
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WTA:tdh

cc: J. Van Bladeren
E. C. Phillips
Report Book
Mr. B. Ehrens