

NORTHWEST NATURAL GAS COMPANY

Date: June 29, 1977

OFFICE CORRESPONDENCE

To: W. F. Covert

RLR 0072-77

From: W. T. Amies

Subject: Non-Routine Gas Analysis

Sample Source: Fisher Well #1, Lake County, Oregon (T.40S, R.19E).

(Two bottles of gas were analyzed)

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

Sampled On: \_\_\_\_\_ By: V. Newton Run On: 6/28/77 By: W.T. Amies

Analytical Results

<u>Gas</u>	<u>Formula</u>	<u>Present?</u>	<u>Vol. Pct. (Optional)</u>	
Methane	CH <sub>4</sub>	Yes	3.69 (#1)	0.08 (#2)
Ethane	C <sub>2</sub> H <sub>6</sub>	No		
Propane	C <sub>3</sub> H <sub>8</sub>	No		
i-Butane	C <sub>4</sub> H <sub>10</sub>	No		
n-Butane	C <sub>4</sub> H <sub>10</sub>	No		
i-Pentane	C <sub>5</sub> H <sub>12</sub>	No		
n-Pentane	C <sub>5</sub> H <sub>12</sub>	No		
Hexanes	C <sub>6</sub> H <sub>14</sub>	No		
Carbon Dioxide	CO <sub>2</sub>	Yes	1.64 (#1)	0.17 (#2)
<del>Nitrogen</del> Air	N <sub>2</sub> /O <sub>2</sub>	Yes	94.67 (#1)	99.75 (#2)
Other	--			

Comments: Both samples were badly diluted with air. Suggest resampling.

*W. T. Amies*

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WTA:jt

cc: D. L. Foley

Mr. Vern Newton - State Dept. Geology