

• TESTING •
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LABORATORY CERTIFICATE

Charlton Laboratories

CHEMISTS — BACTERIOLOGISTS — ENGINEERS

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TO: State Dept. of Geology & Mineral Ind. LABORATORY NO. 67552
 1069 State Office Bldg.
 Portland 1, Oregon

DATE: Sept. 4, 1962

SUBJECT: 2 water samples

DATE RECEIVED: 8/22/62

Sample Identification:

1. Water from Drill-Stem Test on Reserve Gas and Oil Co. - "Esmond No. 1" (7055-7106')
 Sample was taken from the drill collars just above the testing tool.
2. Water from Drill-Stem Test on Humble Oil Co. "H. W. Miller No. 1" (2374-2425') Sample from drill pipe 900' above the testing tool.

	<u>parts per million</u>	
	<u>#1</u>	<u>#2</u>
Alkalinity (as CaCO ₃)		
Carbonate	0	0
Bicarbonate	100	16
Calcium (Ca)	8430	4570
Magnesium (Mg)	305	37
Ammonium (NH ₄)	2.0	2.5
Sodium (Na)	4400	2700
Potassium (K)	40	10
Chloride (Cl)	21,460	11,870
Sulfate (SO ₄)	181	31
Iodide (I)	5	10

*Salt water
 2374-2425*

CHARLTON LABORATORIES, INC.

By: J. M. Hogl



JMR:lr

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