



DIVISION LABORATORY  
Box 2400 Casper, Wyoming 82602

Date June 30, 1979

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To Mr. W. C. Maddox

Report No. 16520

Halliburton Services

Sterling, Colorado

Submitted By J and L Oil Company

Date Received June 26, 1979

Well No. 1 Hettinger

Location Logan County, Colorado

Formation ✓

This report is the property of Halliburton Services, a Division of Halliburton Company, and neither this report nor any part hereof may be disclosed to any third party without the express written approval of Halliburton Services.

Specific Gravity	<u>1.002</u>
pH	<u>8.1</u>
Iron (FE)	<u>N11</u>
Potassium (K)	<u>27</u>
Sodium (Na)	<u>2,650</u>
Calcium (CA)	<u>71</u>
Magnesium (Mg)	<u>19</u>
Chlorides (Cl)	<u>3,267</u>
Sulfates (SO <sup>4</sup> )	<u>202</u>
Carbonates (CO <sup>3</sup> )	<u>N11</u>
Bicarbonates (HCO <sup>3</sup> )	<u>1,510</u>
✓ Total Dissolved Solids	<u>6,980</u>
Rw	<u>0.90</u>

MILLIGRAMS PER LITER

Ohms/m<sup>2</sup>/m at 75 °F

Remarks:

cc Mr. W. P. Renner  
Mr. R. M. Cunningham

Respectfully submitted,

HALLIBURTON SERVICES

By Francis Chetel