THE TEXAS COMPANY (PACIFIC COAST DIVISION)
PRODUCING DEPARTMENT
TECHNICAL SERVICE AND RESEARCH LABORATORY

LABORATORY REPORT NO. 210-5b-1

LOCATION: TTCo. Clatskanie Unit #1 Well #1
Sec. 36-7N-4W-WBM
Oregon

DATE RECEIVED: July 30, 1945

PURPOSE: Geological information

REQUIREMENTS: Complete analysis

REQUESTED BY: L. J. Regan, Jr.

CHARGES: 100% Prod. Dept. - Geological Office

LABORATORY DATA

<table>
<thead>
<tr>
<th>Depth</th>
<th>Porosity</th>
<th>Permeability</th>
<th>Oil Sat.</th>
<th>Water Sat.</th>
<th>Oil Water Ratio</th>
<th>Salinity of Contained Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>2124'</td>
<td>24.5 %</td>
<td>82.0 mdys.</td>
<td>0</td>
<td>91</td>
<td>0</td>
<td>690.0 gpg</td>
</tr>
<tr>
<td>2132</td>
<td>20.3</td>
<td>8.0</td>
<td>0</td>
<td>91</td>
<td>0</td>
<td>700.0</td>
</tr>
</tbody>
</table>

William W. Somers
CHIEF CHEMIST

WLG-DAE 8-1-45

JTWjr-JRD(4)-WAC-LET-File
THE TEXAS COMPANY (PACIFIC COAST DIVISION)  
PRODUCING DEPARTMENT  
TECHNICAL SERVICE AND RESEARCH LABORATORY  

LABORATORY REPORT NO. 210-5b-8

LOCATION:  
TTCo. Clatskanie Unit #1 Well #1  
Sec. 36-TW-47-Williamette Base  
Meridian, Columbia County, Oregon

DATE RECEIVED:  
August 18, 1945

PURPOSE:  
Geological information

SAMPLES:  
Cores listed below

REQUIREMENTS:  
Porosity and permeability

REQUESTED BY:  
R. M. Phillips

CHARGES:  
100% Prod. Dept. - Geological Office  
Lab. Work Order No. 2038

LABORATORY DATA

<table>
<thead>
<tr>
<th>Depth</th>
<th>Porosity</th>
<th>Permeability</th>
</tr>
</thead>
<tbody>
<tr>
<td>2625</td>
<td>25.3 %</td>
<td>30.7 mdys.</td>
</tr>
<tr>
<td>2636</td>
<td>22.9</td>
<td>39.0</td>
</tr>
<tr>
<td>2639</td>
<td>27.2</td>
<td>106.0</td>
</tr>
<tr>
<td>2638</td>
<td>24.3</td>
<td>22.0</td>
</tr>
<tr>
<td>2636</td>
<td>6.3</td>
<td>0.0</td>
</tr>
<tr>
<td>2635</td>
<td>21.5</td>
<td>29.0</td>
</tr>
<tr>
<td>2645</td>
<td>31.1</td>
<td>9.0</td>
</tr>
<tr>
<td>2655</td>
<td>21.0</td>
<td>10.3</td>
</tr>
<tr>
<td>2648</td>
<td>25.7</td>
<td>8500.0</td>
</tr>
<tr>
<td>2659</td>
<td>25.1</td>
<td>782.0</td>
</tr>
<tr>
<td>2646</td>
<td>10.4</td>
<td>0.0</td>
</tr>
<tr>
<td>2649</td>
<td>19.5</td>
<td>1.2</td>
</tr>
<tr>
<td>2643</td>
<td>20.0</td>
<td>4.5</td>
</tr>
<tr>
<td>2708</td>
<td>27.9</td>
<td>17.0</td>
</tr>
<tr>
<td>2708</td>
<td>22.4</td>
<td>1.4</td>
</tr>
<tr>
<td>2706</td>
<td>21.3</td>
<td>1.9</td>
</tr>
<tr>
<td>2708</td>
<td>15.8</td>
<td>1.7</td>
</tr>
<tr>
<td>2815</td>
<td>21.5</td>
<td>* 440.0</td>
</tr>
<tr>
<td>2820</td>
<td>25.0</td>
<td>0.00</td>
</tr>
<tr>
<td>2835</td>
<td>20.3</td>
<td>0.87</td>
</tr>
</tbody>
</table>

* Fractured

Ave. porosity 21 %

(SIGNED) WILLIAM W. ROBINSON Jr.  
CHIEF CHEMIST
LOCATION: TTCO. Clatskanie Unit #1, Well #1
Sec. 36-7N-4W, Willamette Base Meredian Columbia County, Oregon

DATE RECEIVED: September 12, 1945

PURPOSE: Geological information

SAMPLES: Cores listed below

REQUIREMENTS: Porosity, permeability, and Fluid Content

REQUESTED BY: J. R. Dorrance

CHARGES: 100% Prod. Dept. - Geological Office
Lab Work Order No. 2036

LABORATORY DATA

<table>
<thead>
<tr>
<th>Depth</th>
<th>Porosity</th>
<th>Permeability</th>
<th>Oil Sat.</th>
<th>Water Sat.</th>
<th>Oil-Water Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>5120+</td>
<td>13.7 %</td>
<td>0.58 mdcys.</td>
<td>0.</td>
<td>57.</td>
<td>0</td>
</tr>
<tr>
<td>5132+</td>
<td>12.5</td>
<td>0</td>
<td>0.</td>
<td>99.</td>
<td>0</td>
</tr>
</tbody>
</table>

WLG-EPG 9-13-45

CHIEF CHEMIST

JTWjr-JRD(4)-WAC-TWB-File
THE TEXAS COMPANY (PACIFIC COAST DIVISION)  
PRODUCING DEPARTMENT  
TECHNICAL SERVICE AND RESEARCH LABORATORY  

LABORATORY REPORT NO. 210-5b-4

LOCATION:  
TTCo. Clatskanie Unit #1, Well #1  
Sec. 36-7N-4W, Willamette Base Meridian  
Columbia County, Oregon

DATE RECEIVED:  
September 17, 1945

PURPOSE:  
Geological Information

SAMPLES:  
Cores listed below

REQUIREMENTS:  
Porosity, permeability, and Fluid Content

REQUESTED BY:  
R. M. Phillips

CHARGES:  
100% Prod. Dept. - Geological Office  
Lab Work Order No. 2036

LABORATORY DATA

<table>
<thead>
<tr>
<th>Depth</th>
<th>Porosity</th>
<th>Permeability</th>
<th>Oil Sat.</th>
<th>Water Sat.</th>
<th>Oil-Water Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>5442'</td>
<td>7.1 %</td>
<td>0.0 mdys.</td>
<td>0.0</td>
<td>172.0</td>
<td>0.0</td>
</tr>
<tr>
<td>5455'</td>
<td>8.5</td>
<td>0.0</td>
<td>0.0</td>
<td>117.0</td>
<td>0.0</td>
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WLC-GVF 9-18-45  
JTWjr-JRD(3)-WAC-TWB-File

CHIEF CHEMIST