

## HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

MIDLAND DIVISION

HOBBS, NEW MEXICO 88240

## LABORATORY WATER ANALYSIS

No. W80-1120To Phillips Petroleum CompanyDate 10-13-80Box 1178Lovington, New Mexico

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Submitted by \_\_\_\_\_ Date Rec. 10-13-80Well No. Peterson "H" #1 Depth 7332-41' Formation ToddCounty Roosevelt Field S. Peterson Source 5½" CasingResistivity \_\_\_\_\_ 0.076 @ 74°F.Specific Gravity \_\_\_\_\_ 1.086pH \_\_\_\_\_ 4.7Calcium (Ca) \_\_\_\_\_ 10,500Magnesium (Mg) \_\_\_\_\_ NilChlorides (Cl) \_\_\_\_\_ 75,000Sulfates (SO<sub>4</sub>) \_\_\_\_\_ 1,400Bicarbonates (HCO<sub>3</sub>) \_\_\_\_\_ NilSoluble Iron (Fe) \_\_\_\_\_ 140

BEFORE EXAMINER STAMETS  
OIL CONSERVATION DIVISION

EXHIBIT NO. 13CASE NO. 7318Submitted by PhillipsHearing Date 7-29-81

\*MPL

Remarks:

\*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By W. L. Brewer

CHEMIST

## NOTICE

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## LABORATORY WATER ANALYSIS

No. W79-215To Phillips Petroleum CompanyDate 2-28-79Box 1178Lovington, New Mexico

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Submitted by \_\_\_\_\_ Date Rec. 2-28-79Well No. Lambirth "A" #1 Depth 7970' Formation FusselmanCounty Roosevelt Field Peterson Source Heater Treater

Resistivity	<u>0.103 @ 74°F.</u>		
Specific Gravity	<u>1.069</u>		
pH	<u>6.4</u>		
Calcium (Ca)	<u>3.350</u>		*MPL
Magnesium (Mg)	<u>3.000</u>		
Chlorides (Cl)	<u>59,000</u>		
Sulfates (SO <sub>4</sub> )	<u>1,600</u>		
Bicarbonates (HCO <sub>3</sub> )	<u>855</u>		
Soluble Iron (Fe)	<u>70</u>		

Remarks:

\*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By

W. L. Brewer

CHEMIST

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## HALLIBURTON DIVISION LABORATORY

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HOBBS, NEW MEXICO 88240

## LABORATORY WATER ANALYSIS

No. W80-320To Phillips Petroleum CompanyDate 3-27-80Box 1178Lovington, New Mexico

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Submitted by \_\_\_\_\_ Date Rec. 3-27-80Well No. Lambirth A #5 Depth As Marked Formation PennCounty Lea Field S. Peterson Source Swab

	<u>7664-7748</u>	<u>7744-7748</u>	
Resistivity	<u>0.081 @ 70° F.</u>	<u>0.100 @ 70° F.</u>	
Specific Gravity	<u>1.076</u>	<u>1.061</u>	
pH	<u>6.2</u>	<u>5.7</u>	
Calcium (Ca)	<u>8,000</u>	<u>8,500</u>	*MPL
Magnesium (Mg)	<u>2,220</u>	<u>1,800</u>	
Chlorides (Cl)	<u>65,000</u>	<u>50,000</u>	
Sulfates (SO <sub>4</sub> )	<u>800</u>	<u>850</u>	
Bicarbonates (HCO <sub>3</sub> )	<u>315</u>	<u>855</u>	
Soluble Iron (Fe)	<u>60</u>	<u>80</u>	

Remarks:

\*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By

W. L. Brewer

CHEMIST

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