

HALLIBURTON DIVISION LABORATORY

HALLIBURTON COMPANY
LOVINGTON, NEW MEXICONo. W-789-65

LABORATORY REPORT

Date October 11, 1965

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

To Marathon Oil CompanyBox 220Hobbs, New Mexico

Date Received

Well & Lease Sinclair Marathon Federal #1 Depth Formation PaddockLocation Sitting Bull Falls Field Source

40 bbls 70 bbls 112 bbls 154 bbls

Specific gravity 1.004 1.002 1.006 1.010
60/60 °FColor, filtrate Yellow Yellow Yellow YellowpH 7.6 6.9 7.5 7.2Resistivity 3.46 2.37 1.49 1.28

° 75 °F ppm (mpt)

Chlorides, Cl 900 1,300 1,600 2,200Sulfates, SO₄ 1,700 2,100 2,200 2,200Alkalinity, HCO₃ 1,095 1,340 1,465 1,220Calcium, Ca 520 400 560 640Magnesium, Mg 120 120 120 125Iron, Fe Nil Nil Nil NilSodium, Na* 830 1,815 1,860 1,920Sulfides, H₂S 10 270 410 520

Remarks

ppm equals Parts per million uncorrected or milligrams per liter
* includes Potassium as Na.Laboratory Analyst
Hammack

Respectfully submitted

HALLIBURTON COMPANY

By

Rex L. Hammack, Jr., Division Chemist

cc: L.G. Moffatt

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether due to act or omission, resulting from such report or its use.