

Martin Water Laboratories

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RESULT OF WATER ANALYSES

TO: Mr. I. S. Reavis LABORATORY NO. 469224
P. O. Box 633, Midland, Texas SAMPLE RECEIVED 4-24-69
RESULTS REPORTED 5-14-69

COMPANY Mobil Oil Corporation LEASE Bridges State Vacuum
FIELD OR POOL Vacuum
SECTION BLOCK SURVEY COUNTY Lea STATE New Mexico

SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Supply water - taken from water supply well @ plant (make-up for produced water) 4-29
NO. 2 Supply water - taken from WSW #100 & 101 @ common header @ plant. 4-29-69
NO. 3
NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0002	1.0003		
pH When Sampled	7.3	6.7		
pH When Received	7.6	7.1		
Bicarbonate as HCO_3	200	171		
Supersaturation as CaCO_3	0	--		
Undersaturation as CaCO_3	-	23		
Total Hardness as CaCO_3	193	191		
Calcium as Ca	61	60		
Magnesium as Mg	11	10		
Sodium and/or Potassium	26	26		
Sulfate as SO_4	26	20		
Chloride as Cl	42	42		
Iron as Fe	0.0	0.0		
Barium as Ba	0	0		
Turbidity, Electric	1.9	1.3		
Color as Pt	4	6		
Total Solids, Calculated	366	339		
Temperature °F.	65	65		
Carbon Dioxide, Calculated	16	56		
Dissolved Oxygen, Winkler	2.5	0.0		
Hydrogen Sulfide	0.0	0.0		
Resistivity, ohms/cm at 60° F.	17.24	19.61		
Suspended Oil				
Filtrable Solids as mg/l	0.20	0.33		
Volume Filtered, ml	3,000	4,000		

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks	BEFORE EXAMINER STAMETS
	OIL CONSERVATION COMMISSION
	EXHIBIT NO. <u>4</u>
	CASE NO. <u>5116</u>
	Submitted by <u>Mobil</u>
	Hearing Date <u>Nov 28, 1973</u>