

RESULT OF WATER ANALYSES

LABORATORY NO. 985383
 TO: Mr. Mark Nearburg SAMPLE RECEIVED 9-29-85
P.O. Box 31405, Dallas, Texas RESULTS REPORTED 10-1-85

COMPANY Chama Petroleum Corp. LEASE _____

FIELD OR POOL _____

SECTION _____ BLOCK _____ SURVEY _____ COUNTY _____ STATE _____

SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Raw water - taken from John Sherrell water well. 9-20-85
- NO. 2 Raw water - taken from Curio Pond. 9-20-85
- NO. 3 _____
- NO. 4 _____

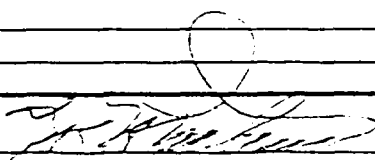
REMARKS: Samples submitted by Leo B. Prater, Halliburton

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0049	1.0052		
pH When Sampled				
pH When Received	7.34	7.86		
Bicarbonate as HCO ₃	122	151		
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	1,860	1,760		
Calcium as Ca	608	600		
Magnesium as Mg	83	63		
Sodium and/or Potassium	171	76		
Sulfate as SO ₄	2,014	1,656		
Chloride as Cl	27	55		
Iron as Fe	1.4	0.17		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	3,025	2,602		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0	0.0		
Resistivity, ohms/m at 77° F.	2.60	3.00		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

BEFORE EXAMINER STOGNER
 Oil Conservation Division
 CHAMA Exhibit No. 5
 Case No. 8738

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By 

cc: Mr. Burl Reynolds, Hobbs, NM -

Waylan C. Martin, M. A.