

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

LABORATORY NO. 88462
SAMPLE RECEIVED 8-1-84
RESULTS REPORTED 8-8-84

TO: Mr. J. Edgar Hoover
P.O. BOX 100, JAIL, MS

COMPANY Union Texas Petroleum Corp. LEASE Langlie Jal Unit
FIELD OR POOL Justia

SECTION _____ BLOCK _____ SURVEY _____ COUNTY Los Angeles STATE CA

SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Produced water - taken from Satellite #1 (well #60). 8-1-84
NO. 2 Produced water - taken from free water knockout inlet. -8-1-84
NO. 3 Produced water - taken from free water knockout outlet. 8-1-84
NO. 4 Produced water - taken from Kem electric outlet. 8-1-84

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0263	1.0256	1.0327	1.0349
pH When Sampled	7.5	7.2	7.2	7.5
pH When Received	7.32	7.16	7.13	7.50
Bicarbonate as HCO ₃	1,122	1,354	1,293	2,111
Supersaturation as CaCO ₃	160	70	60	210
Undersaturation as CaCO ₃	—	—	—	—
Total Hardness as CaCO ₃	6,900	9,400	11,400	12,000
Calcium as Ca	830	760	840	980
Magnesium as Mg	1,172	1,823	2,260	2,321
Sodium and/or Potassium	10,214	9,123	10,830	12,398
Sulfate as SO ₄	1,585	1,524	1,768	1,128
Chloride as Cl	18,820	18,820	22,726	25,567
Iron as Fe	0.31	0.47	1.4	0.23
Barium as Ba	0	0	0	0
Turbidity, Electric	3	9	17	4
Color as Pt	2	2	10	10
Total Solids, Calculated	33,744	33,403	39,717	44,504
Temperature °F.	69	70	70	65
Carbon Dioxide, Calculated	58	149		110
Dissolved Oxygen, Winkler	0.0	0.0	0.0	0.0
Hydrogen Sulfide	800	800	800	1,125
Resistivity, ohms/m at 77° F.	0.232	0.232	0.205	0.177
Suspended Oil	40	79	113	4
Filtrable Solids as mg/l	15.1	8.7	29.8	11.6
Volume Filtered, ml	2,000	2,000	520	740

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks

By _____

RECEIVED

AUG - 6 1985

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