TYPICAL WATER ANALYSIS SAN ANDRES FORMATION LEA COUNTY, NEW MEXICO

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ANALYSIS		PPM or Mg/L	EPM or Meq./L	Ionic	PPM
1. PH	7.25				
2. H,S	Pos.	·			
3. CO ₂	Pos.				
4. Specific Gravity	1.12				•
5. Phenol Alkalinity (CoCO3)		0.0			
6. M.P. Alkalinity (CoCO3)		520.0			
7. Bicarbonate (CoCO _j)		520_0	10.4	нсо,	634
8. Chlorides (CI)		187,000.0	5,267.6	CL	187,000
9. Sulphotes (SO.)		2,800.0	58.33	SO4	2,800
10. Total Hardness (C=CO ₃)		10,000.0	 	1	
11. Calcium (CoCO3)		5,750.0	115.0	Co	2,300
12. Magnesium (CoCO3)		4,250.0	85.0	Mg	1,037
13. Sodium (Nº)			5,135.73	Na	118,122
14. MARXXXXXXX	Barium (Ba)	·	NO,	0
15. Iron (Fe)			````	<u> </u>	·
16. Total Disolved Solids					311,893

BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION SRGE EXHIBIT NO. 7 CASE NO. 7738
Submitted by <u>5866</u> Hearing Date <u>11/23/82</u>

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Martin Water Laboratories, Inc. water consultants since 1953 bacterial and chemical analyses

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P. O. BOX 1468 MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

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To: Mr.Bob Mamsell 425 Hamilton Building Wichita Falls, Texas 76301 Laboratory No.1082169Samples received10-18-82Results reported10-20-82

Company: Sage 011 Company

Project: CK lease in New Maxico

<u>Subject:</u> To make the determinations listed below on produced water from CK lesse. Sample submitted by Bob Munsell.

DETERMINATION	NG/L
Alusinus, as Al	0.00
Arsenic, as As	0.000
Barium, es Ba	0
boron, as B	22.0
Cadmins, as Cd	0.07
Chloride, as Cl	75,280
Chromium, as Cr	0.00
Cobalt, as Co	10.0
Copper, as Cu	0.00
Cyanide, as CN	0.0
Fluoride, as F	0.0
Iron, as Pe	8.7
Load, as Pb	1.00
Manganese, as Mn	1.00
Marcury, as Hg	0.000
Molybdanum, as Mo	< 100
Nickel, as Ni	1.40
Nitrate Mitrogen, as N	0.0
PH	7.8
Sulfate, as SO4	3,223
Total Dissolved Solids, eveporated	119,180
Zinc, as Zn	0.40
The undersigned certifies the above to	be true and correct to the best of his

<u>Remarks</u>: The undersigned cartifies the above to be true and correct to the best of his knowledge and belief.

cc: Mr. Johnny Mulloy, Foy Boyd Associates, Midland

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N. Reagan White, B.S.

Martin Water Laboratories, Inc. WATER CONSULTANTS SINCE 1953

BACTERIAL AND CHEMICAL ANALYSES

709 W INDIANA MIDLAND TEXAS 79701 PHONE 683-4521

MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

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P. Q. BOX 1468

To: Mr. Bob Munsell 425 Hamilton Building Wichita Falls, Texas 76301

1082170 Laboratory No. Samples received 10-18-82 Results reported 10-20-82

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Company: Sage Oil Company

Project: Hobbs "O" lease in New Mexico

Subject: To make the determinations listed below on produced water from Hobbs "O" lease. Sample submitted by Bob Munsall.

DETERMINATION	MC/L
Aluminum, as Al	0.00
Arsenic, as As	0.000
Barium, as Ba	0
Boron, as B	17.50
Cadmium, as Cd	0.00
Chloride, as Cl	13,139
Chromium, as Cr	0.00
Cobalt, as Co	5.0
Copper, as Cu	0.00
Cyanide, as CN	0.0
Fluoride, as F	2.0
Iron, as Fe	22.6
Lead, as Pb	0.00
Manganese, as Mn	0.00
Marcury, as Hg	0.0000
Molybdenum, as Mo	<100
Nickel, as Ni	0.00
Nitrate Mitrogen, as N	0.0
PH	7.3
Sulfate, as 5804	2,370
Total Dissolved Solids, evaporated	20,412
Zinc, as Zn	0.40
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Remarks: The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

W. Reagan White, B.S.

cc: Mr. Johnny Hulloy, Foy Boyd Associates, Midland