

WATER ANALYSIS REPORT


 NL Treating Chemicals/NL Industries, Inc.
 P. O. Box 4305 Houston, Texas 77210

						SHEET NUMBER	
COMPANY <i>Texaco Producing Inc</i>						DATE <i>6-18-85</i>	
FIELD <i>EUNICE AREA</i>				COUNTY OR PARISH <i>LEA</i>		STATE <i>LA</i>	
LEASE OR UNIT <i>Skelly Penrose "A" Unit</i>		WELL(S) NAME OR NO. <i>Windmill North of Juncyard</i>		WATER SOURCE (FORMATION)			
DEPTH, FT.	BHT, F	SAMPLE SOURCE <i>PRODUCED TAKE</i>	TEMP, F	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY	
DATE SAMPLED <i>2-18-85</i>		TYPE OF WATER ☐ PRODUCED ☐ SUPPLY ☐ WATERFLOOD ☐ SALT WATER DISPOSAL					

WATER ANALYSIS PATTERN

(NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)

Na ⁺ 20	15	10	5	0	5	10	15	20 Cl ⁻
Ca ⁺⁺								HCO ₃ ⁻
Mg ⁺⁺								SO ₄ ⁼
Fe ⁺⁺⁺								CO ₃ ⁼

DISSOLVED SOLIDS

CATIONS

Total Hardness
 Calcium, Ca⁺⁺
 Magnesium, Mg⁺⁺
 Iron (Total) Fe⁺⁺⁺
 Barium, Ba⁺⁺
 Sodium, Na⁺(calc.)

me/l*

3.803.821.6496.8

mg/l*

046.40.5496.8

DISSOLVED GASES

Hydrogen Sulfide, H₂S
 Carbon Dioxide, CO₂
 Oxygen, O₂

mg/l*

PHYSICAL PROPERTIES

pH
 Eh (Redox Potential)
 Specific Gravity
 Turbidity, JTU Units
 Total Dissolved Solids (calc.)

8.0

MV

1611.5 mg/l*Stability Index @ F@ FCaSO₄ Solubility @ F@ FMax. CaSO₄ Possible (calc.)Max. BaSO₄ Possible (calc.)

Residual Hydrocarbons

mg/l*

mg/l*

mg/l*

mg/l*

ppm(Vol/Vol)

ANIONS

Chloride, Cl⁻
 Sulfate, SO₄⁼
 Carbonate, CO₃⁼
 Bicarbonate, HCO₃⁻
 Hydroxyl, OH⁻
 Sulfide, S⁼

14.15.70.84.82150027524.0292.8

SUSPENDED SOLIDS (QUALITATIVE)

Iron Sulfide ☐ Iron Oxide ☐ Calcium Carbonate ☐ Acid Insoluble ☐

REMARKS AND RECOMMENDATIONS:

Complete Analysis plus Fe

* NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

BTC ENGINEER <i>W. W. W.</i>	DIST. NO. <i>821</i>	ADDRESS	OFFICE PHONE	HOME PHONE
ANALYZED <i>Perman</i>	DATE <i>6/19/85</i>	DISTRIBUTION ☐ CUSTOMER ☐ AREA OR ☐ DISTRICT OFFICE ☐ BTC ENGINEER OR ☐ BTC LAB ☐ BTC SALES SUPERVISOR		