TABLES

TABLE 4-1
X-RAY DIFFRACTION RESULTS - FRIO FORMATION
LYONDELL CHEMICAL COMPANY-PLANT WELL 2 (WDW-162)

Mineral	Percent of Total Sample
Quartz	85
Feldspar	12
Calcite	1
Kaolinite	>1
Chlorite	<1

TABLE 4-2
CHEMICAL ANALYSES OF FRIO FORMATION FLUIDS

	Merisol WDW-147 mg/l	Equistar* WDW-36 mg/l	GNI* WDW-169 mg/l	Hampshire* WDW-222 mg/l	Hampshire* WDW-223 mg/l
Calcium	22,500	6,400	2,400	2,200	2,160
Magnesium	475	1,440	480	457	455
Barium	66	190	60	63	46
Strontium	150		112	113	
Sodium	55,664	43,000	39,400	41,200	
Chloride	60,247	63,548	70,400	±70,520	±70,872
Sulfate		18	12	<100	
Iron		5	35	60.5	53.4
Alkalinity Bicarbonate		99	463.6	80.1	109.1
pH	7.0	6.7	6.85	6.7	6.5
Specific Gravity	1.073	1.074	1.0836	1.082	1.087
Total Solids		127,318	119,018	113,400	115,400

* Includes formation fluids from Frio E&F Sand and adjacent sands.

TABLE 4-3
TYPICAL SEDIMENTARY SHALE COMPOSITIONS

Clay minerals	58 weight %
Quartz	28 weight %
Feldspar	6 weight %
Carbonates	5 weight %
Iron Oxides	2 weight %

From Pettijohn, 1975