



Amoco Production Company

RESEARCH CENTER
WATER ANALYSIS

T.S. or File No. 535.11

Lab. No. T-22,740

Field No. LA-1526

API Well No.

LOCATION SAMPLED: Division Houston District Levelland
 Operator (Plant) Amoco Production Co. Well No. 1 Lease Swearingen "C"
 State (Province) Texas County (Parish) Roosevelt
 Twp. 5S Rng. 33E Sec. 18 Quarter (Lsd.) Other (Meridian) 554' FSL & 2078' FWL
 Sample collected from separator Wildcat () Field Well (x) Field name Peterson Penn
 Interval sampled 7841 to 7849 Date 6-15-76 Sample collected by B. Baker
 Recovery Fusselman

Form 97 transmitted by V. E. StaleyDate 6-18-76

Authorized by

ORGANIC CONSTITUENTS in mg/l

	BOTTOM	MIDDLE	TOP	MUD
Benzene				
Toluene				
HC Gases				

DESCRIPTION OF SAMPLE

Sample used for detailed analyses
 Date received
 Condition as received
 Color
 Odor
 Suspended solids
 Bottom sediment
 Oil or fluorescence

QUALITY OF SAMPLE

	BOTTOM	MIDDLE	TOP
Chloride on mg/l:			

COMMENTS:

Note - representative sample
 of water being produced
 from Fusselman zone
 perforations 7841'-7849'-
 well test 6-15-76 flow
 235 BOPD with 20% water.

CONVENTIONAL MAJOR ION ANALYSIS

		Major Ions mg/l	% of Total Major Ions	Reaction Value meq/l	% of Total Reaction Value
CATIONS	Sodium Na ⁺	31,337	31.41	1,363.17	39.34
	Calcium Ca ⁺⁺	5,440	5.45	271.46	7.83
	Magnesium Mg ⁺⁺	1,190	1.19	97.82	2.83
	Potassium K ⁺				
ANIONS	Chloride Cl ⁻	60,600	60.73	1,708.92	49.32
	Bicarbonate HCO ₃ ⁻	420	.42	6.89	.20
	Sulfate SO ₄ ⁻	800	.80	16.64	.48
	Carbonate CO ₃ ⁻	0	0	0	0
TOTAL		99,787			

Total solids by evaporation 102,760 mg/l

NaCl resistivity equivalent (Dunlap) 99,998 mg/l

Resistivity .076 ohm-meters at 77 °F

pH 7.1 Specific gravity 1.071 at 78 °F

Ryznar stability index (2pHs-pH) at °F

OTHER IONS AND DISSOLVED SOLIDS

CATIONS	mg/l	ANIONS	mg/l	OTHERS	mg/l

REMARKS AND CONCLUSIONS:

RECEIVED
 Levelland Area
 JUL 22 1976

	VES	
	DLW	
1	CDC	
	CCB	
	AHG	
	ORW	
	KFS	
	HSM	
	BGW	
2		
	Filo	

C:

W. V. Grisham

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G. W. Schmidt

Analyst

Jim E. Harrison

Date

7-16-76

RECEIVED

OCT 31 1976

OIL CONSERVATION COMM
HOBBS, N. M.