

N. M. OIL CO. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

Unocal Oil & Gas Division.
Unocal Corporation
500 North Marienfeld, P.O. Box 671
Midland, Texas 79702
Telephone (915) 682-9731



Midland District

March 11, 1986

United States Department of the Interior
Bureau of Land Management
P. O. Drawer 1857
Roswell, New Mexico 88201

Attn: ~~Mr. James A. Gillham~~

*no longer with
this office.
Peter W. Chester*

Gentlemen:

SUBJECT:

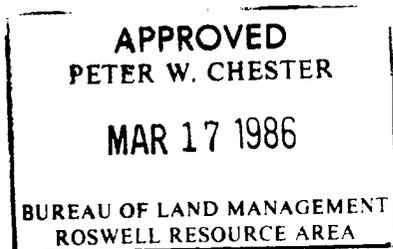
Application for Disposal
of Produced Water

Union Oil Company of California respectfully submits this letter of application to dispose of produced water from its Chaveroo Federal "A" No. 1, which is located in the SW/4, NW/4, Section 15, T-8-S, R-33-E, Chaves County, New Mexico, Lease No. NM-31210.

The following information is submitted in support of this application:

1. Producing formation - San Andres.
2. Depth of producing zone - 4268-4403'.
3. Volume of water produced - 10 BWPD.
4. Method of handling water - the water is collected in a 210-barrel fiberglass tank and trucked by Fannie Lee Mitchell, Inc., to Reed & Stevens dump station, and then disposed of in either of two disposal wells. One is located in SE/4 of SE/4, Section 15, T-10-S, R-34-E; the other located in NE/4 of SE/4, Section 28, T-10-S, R-34-E, Lea County, New Mexico.

A copy of a water analysis of the produced water is attached. If additional information is required for this application, please advise.



Very truly yours,

J. C. Merritt
District Production Superintendent

BA:pd
Enclosures

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601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : UNION OF CALIFORNIA

DATE : 1-7-83

FIELD, LEASE & WELL : FEDERAL A CHAVEROD WELL #1

SAMPLING POINT: WELLHEAD

DATE SAMPLED : 1-7-83

SPECIFIC GRAVITY = 1.134

TOTAL DISSOLVED SOLIDS = 197692

PH = 5.59

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	533.	10688
MAGNESIUM	(MC)+2	296.	3606.
SODIUM	(NA), CALC.	2623.	60305.
ANIONS			
BICARBONATE	(HCO3)-1	11.8	719.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	29.1	1400
CHLORIDES	(CL)-1	3412.	120972.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		.7
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX

TEMP

	30C
	86F
CARBONATE INDEX	.381
CALCIUM CARBONATE SCALING	LIKELY
SULFATE INDEX	6.98
CALCIUM SULFATE SCALING	LIKELY