

ANADARKO PRODUCTION COMPANY

3109 WINTHROP AVENUE P. O. BOX 9317 FORT WORTH, TEXAS 76107

CABLE ADDRESS: ANDARK

April 18, 1969

WAX-312

see 1/27/69

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Langlie-Mattix Penrose Sand
Unit Well No. 28-3, Langlie-
Mattix Oil Pool, Lea County,
New Mexico

Gentlemen:

Anadarko Production Company as Unit Operator of the Langlie-Mattix Penrose Sand Unit hereby requests administrative approval to convert Langlie-Mattix Penrose Sand Unit Well No. 28-3 that is located 2310 feet from the north line and 2970 feet from the east line of Section 28, T22S, R37E, Lea County, New Mexico to water injection under the provisions of OCC Order No. R-3247. This Order provides for the expansion of Unit waterflood development without the showing of well response as required by OCC Rule 701-E-5.

To support this application, the following data and information is enclosed:

- (1) Plat of area showing location of proposed water injection well.
- (2) Well bore diagram of Langlie-Mattix Penrose Sand Unit Well No. 28-3 showing well total depth, open hole producing intervals, casing and cementing program, proposed tubing and packer setting, and type and quantity of water to be injected.

April 18, 1969

- (3) Driller's log of Langlie-Mattix Penrose Sand Unit
Well No. 28-3 (no electrical surveys available).

The injection of water into the oil productive Penrose sand reservoir at this location is needed for the maximum recovery of oil and the conservation of natural resources.

Your approval at your earliest convenience will be appreciated.

Very truly yours,

ANADARKO PRODUCTION COMPANY



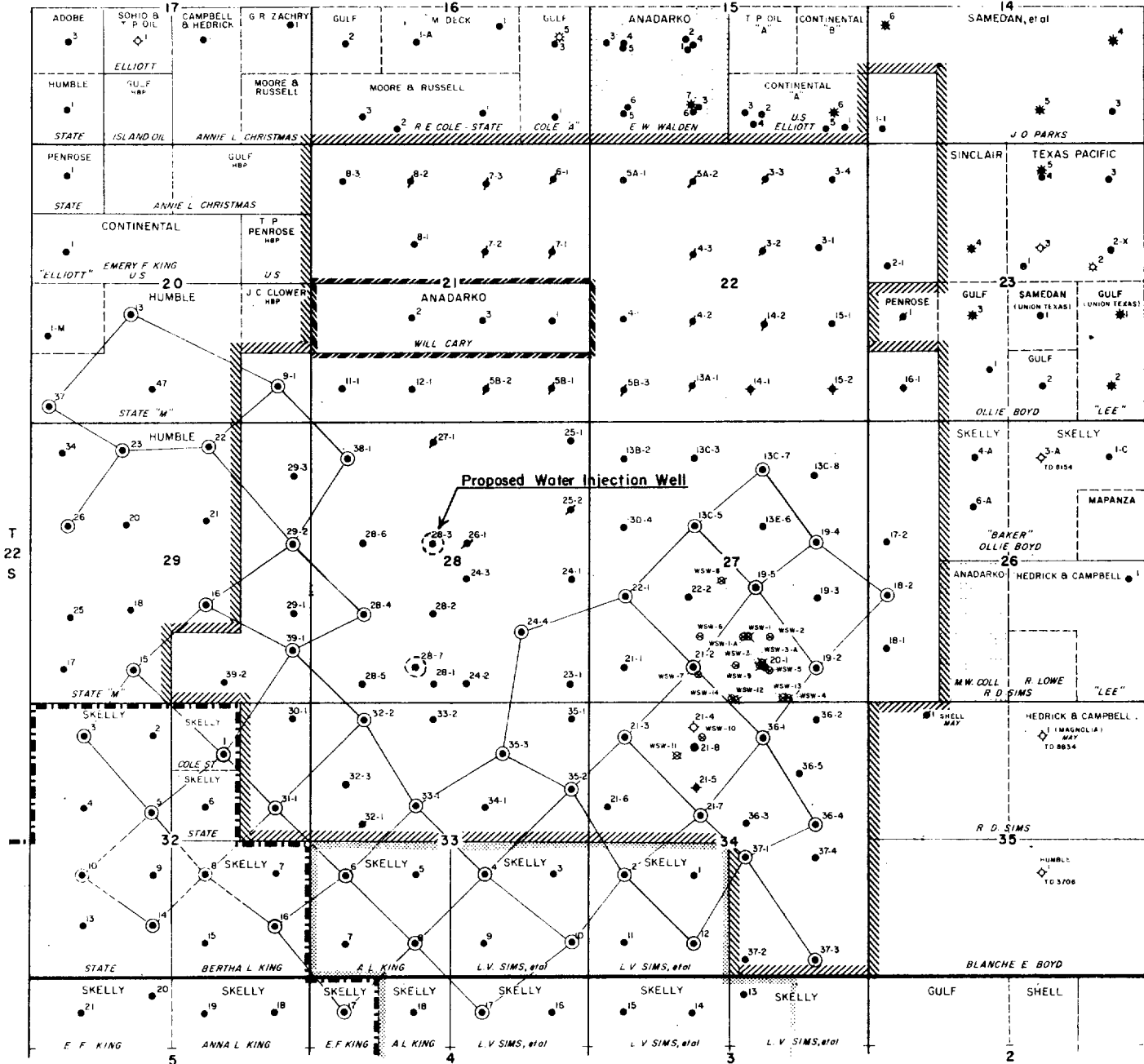
C.W. Stumhoffer
Superintendent
Secondary Recovery Division

CWS/nl

Encl:

cc: USGS, Hobbs, New Mexico

R 37 E



LEGEND

- - Oil Well
- ◆ - Plugged & Abandoned
- - Temporarily Abandoned
- ◇ - Dry & Abandoned
- ☆ - Gas Well
- ✱ - Dual Completion (Oil & Gas)
- ⊙ - Water Injection Well
- ⊕ - Proposed Water Injection Well
- ⊗ - Water Supply Well
- ⊗ - WSW - Plugged & Abandoned
- //// Unit Boundary
- ▨ Anadarko Acreage
- ▨ Non-Participating Tract
- ▨ Skelly Penrose "A" Unit
- ▨ Skelly Penrose "B" Unit



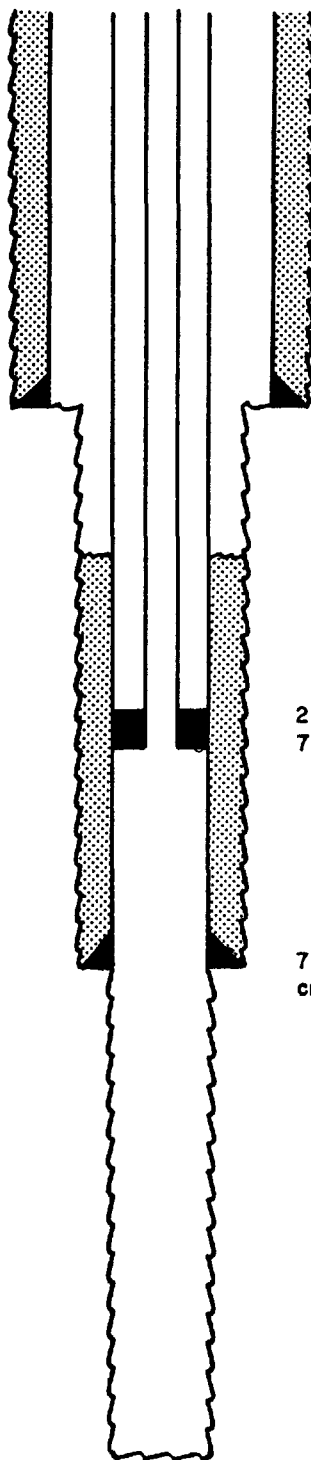
**ANADARKO
PRODUCTION COMPANY**

**LANGLIE MATTIX PENROSE
SAND UNIT
LEA COUNTY, NEW MEXICO
FLOOD NO. 36**



Proposed Injection
Rate: 350 B/D
Injection Water Source:
Nonpotable water
purchased from Skelly
Oil Co.'s Jal Water
System.

WELL LOCATION
L.M.P. S. U. 28-3
SE/4 NW/4
Sec. 28, T-22-S, R-37-E
Lea Co., New Mexico



15 1/2" Casing @ 115'
cmt. circ. to surface

2 3/8" Tubing @ 3298'
7" Packer @ 3300'

7" Casing @ 3401'
cmt. circ. w/ 150 sks.

Completed in open hole 3401' - 3680'
Shot w/630 qts. Nitro 3530' - 3680'

Top Pay 3538'
Oil Sand 3538' - 42'
Oil Sand 3554' - 70'
Oil Sand 3578' - 81'
Oil Sand 3644' - 47' } PENROSE SAND

T.D. 3680



**ANADARKO
PRODUCTION COMPANY**

WELL BORE DIAGRAM
LANGLIE MATTIX PENROSE SAND UNIT
WELL NO. 28-3
LEA COUNTY, NEW MEXICO

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas and Water, Etc.
			16 Bailers of water at 160 to 190.
Caliche	0	30	Hole filled 300' with oil in 2 hrs. at
Sand	30	107	3554.
Shale	107	160	Increase in oil at 3581.
Water Sand	160	190	Increase in oil at 3604.
Shale	190	695	
Water Sand	695	760	
Shale	760	1120	
Anhydrite	1120	1140	
Shale	1140	1146	
Anhydrite	1146	1226	
Water Sand	1226	1230	
Shale	1230	1240	
Anhydrite	1240	1275	
Salt Section	1275	2446	
Anhydrite	2446	2585	
Anhydrite & Lime	2585	2840	
Sand (Dry)	2840	2847	
Anhydrite & Shale	2847	2877	
Anhydrite & Lime	2877	2945	
Sand	2945	2948	
Brown Lime	2948	2970	
Lime & Anhydrite	2970	3085	
Brown Lime	3085	3160	
Lime	3160	3183	
Lime & Anhydrite	3183	3276	
Lime	3276	3538	
Oil Sand	3538	3542	
Hard Lime	3542	3554	
Oil & Gas Sand	3554	3570	
Lime	3570	3578	
Oil Sand	3578	3581	
Hard Lime	3581	3602	
Sandy Lime	3602	3626	
Hard Lime	3626	3644	
Oil Sand	3644	3647	
Hard Lime	3647	3655	
Lime	3655	3680	

DRILLERS LOG

Langlie-Mattix Penrose Sand Unit
 Well No. 28-3
 Lea County, New Mexico
 SE/4 NW/4 Section 28-T22S-R37E