

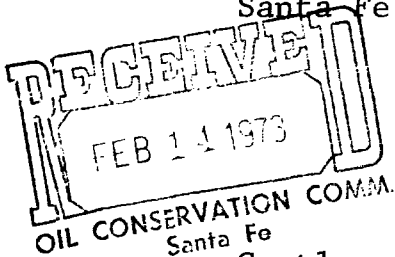
**WOOD-McSHANE, INC.**  
**MANAGEMENT AND OPERATIONS**

TELEPHONE 915 - 943-3092  
P. O. BOX 968  
MONAHANS, TEXAS 79756

February 12, 1973

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

Re: Wood, McShane & Thams-692, Ltd.  
New Mexico "M" State Lease  
Langlie-Mattix Pool  
Lea County, New Mexico



Gentlemen:

Wood, McShane & Thams are operators of the New Mexico "M" State Lease Waterflood Project, formerly operated by Humble Oil & Refining Company and approved by Commission Order No. R-2556 and extended by Order No. R-2891. Wood, McShane & Thams hereby request administrative approval to expand waterflood development under the provisions of OCC Rule 701-E-5.

Order No. R-3910 authorizes the drilling of and conversion of wells at unorthodox locations through administrative approval so that the project will essentially be altered to 40-acre flood patterns. It is proposed to convert New Mexico "M" State Nos. 20, 25, and 27, all slim-hole completions. These conversions will complete three 40-acre flood patterns with "M" State Nos. 60, 61, and 64 being newly drilled and completed producers with 5-1/2" oil strings. *See 27430 T&S, R376*

Plans are to inject into each well at approximately three to four hundred barrels per day rate using recycled produced water as well as San Andres water purchased from Skelly Oil Company.

In accordance with Rule 701-B the following data and information is attached:

1. Plat of New Mexico "M" State Lease showing location of proposed wells for conversion.

2. Gamma Ray-Neutron Survey on New Mexico "M"  
State No. 25. (Logs are not available on  
the other two wells.)
3. A diagrammatic sketch of the proposed in-  
jection well completion.

Your early approval of the conversion of these wells for  
injection will be appreciated.

Yours very truly,

WOOD-McSHANE, INC., For  
Wood, McShane & Thams

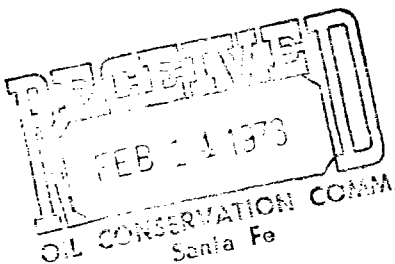


K. D. Myrick

/pb

CC: OCC-Hobbs, New Mexico  
Offset Operators:

Anadarko Production Company  
Skelly Oil Company  
Gulf Oil Company  
Marathon Oil Company  
Adobe Oil Company  
Penrose Production Company  
Amerada Hess Corporation  
Continental Oil Company  
Millard Deck Oil Company



WOOD-McSHANE, INC.

Wood, McShane & Thams-692, Ltd.  
New Mexico "M" State Lease  
Langlie-Mattix Pool  
Lea County, New Mexico

# 20

29-22-37

(F) 1980' FNL & 1980' FWL

OFFSET OPERATORS

#

25

Anadarko Production Company  
Houston Division  
Two Greenway Plaza East, Suite 410  
Houston, Texas 77046

(L) 1980' FSL 600' FWL

29-22-37

Skelly Oil Company  
P. O. Box 1351  
Midland, Texas 79701

Gulf Oil Company  
P. O. Box 1150  
Midland, Texas 79701

# 21

Marathon Oil Company  
P. O. Box 552  
Midland, Texas 79701

H 660' FEL & 1980' FNL

30-22-37

Adobe Oil Company  
601 Wilkinson-Foster Bldg.  
Midland, Texas 79701

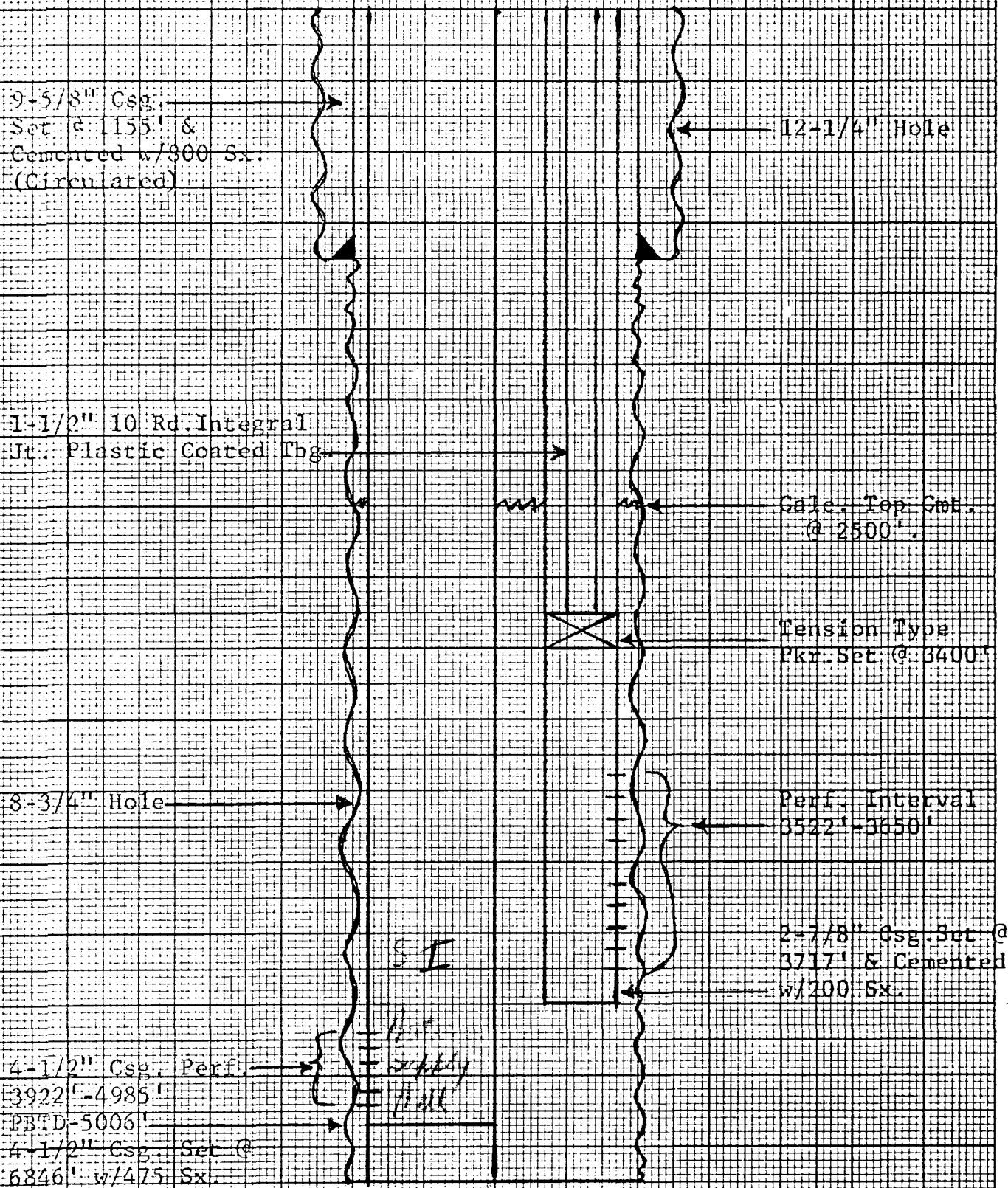
Penrose Production Company  
P. O. Box 988  
Eunice, New Mexico 88231

Amerada Hess Corporation  
P. O. Box 591  
Midland, Texas 79701

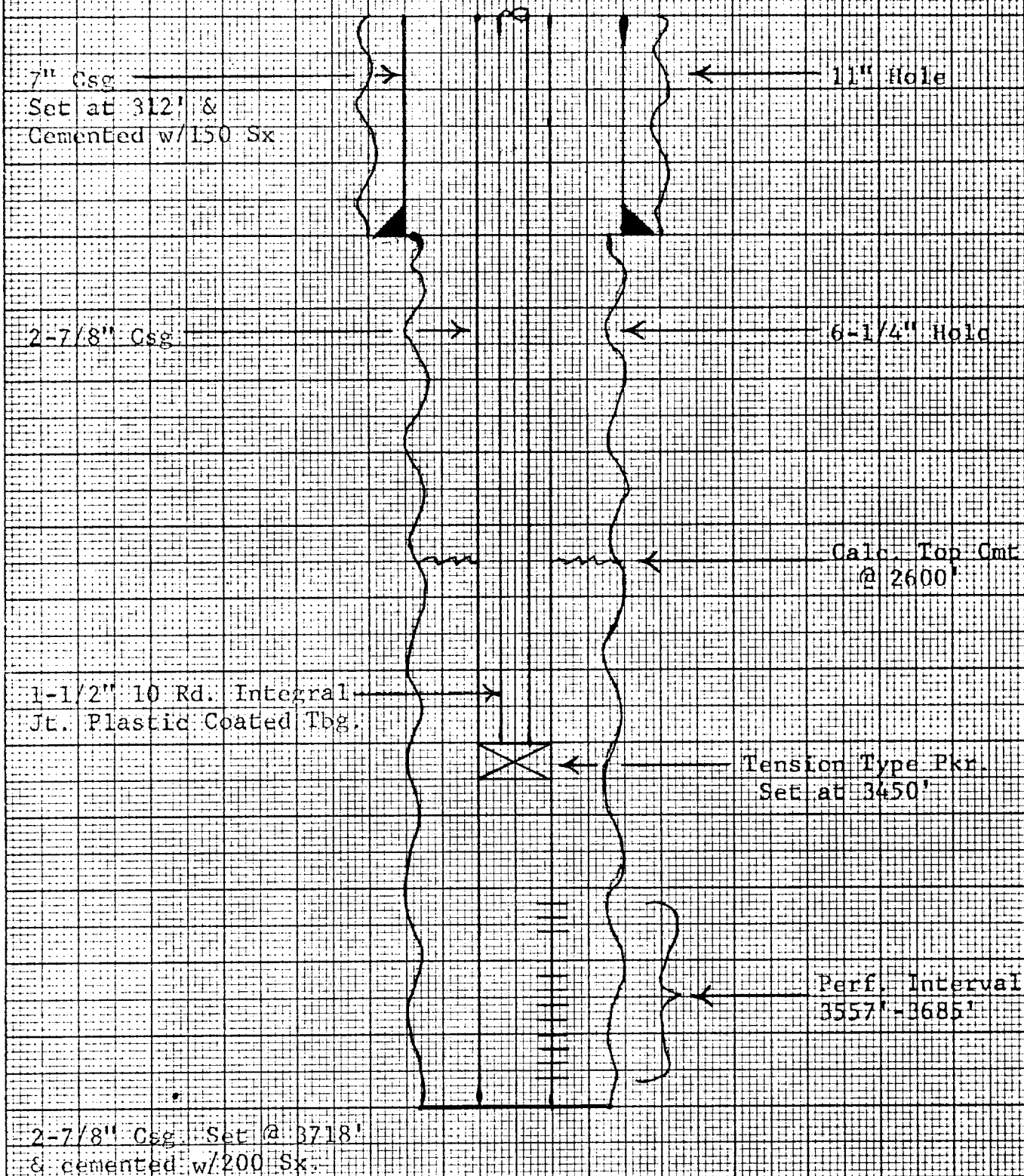
Continental Oil Company  
P. O. Box 431  
Midland, Texas 79701

Millard Deck Oil Company  
P. O. Box 409  
Eunice, New Mexico 88231

WOOD, McSHANE & THAMS-692, LIMITED  
 NEW MEXICO "M" STATE NO. 20  
 COMPLETION DATA



Wood, McShane & Thams  
New Mexico "M" State No 25  
Completion Data



WOOD, McSHANE & THAMS  
NEW MEXICO "M" STATE NO. 27  
COMPLETION DATA

7" Csg.  
Set at 333' &  
cemented w/175 Sx.

9 7/8" Hole

2 7/8" Csg.

6 1/4" Hole

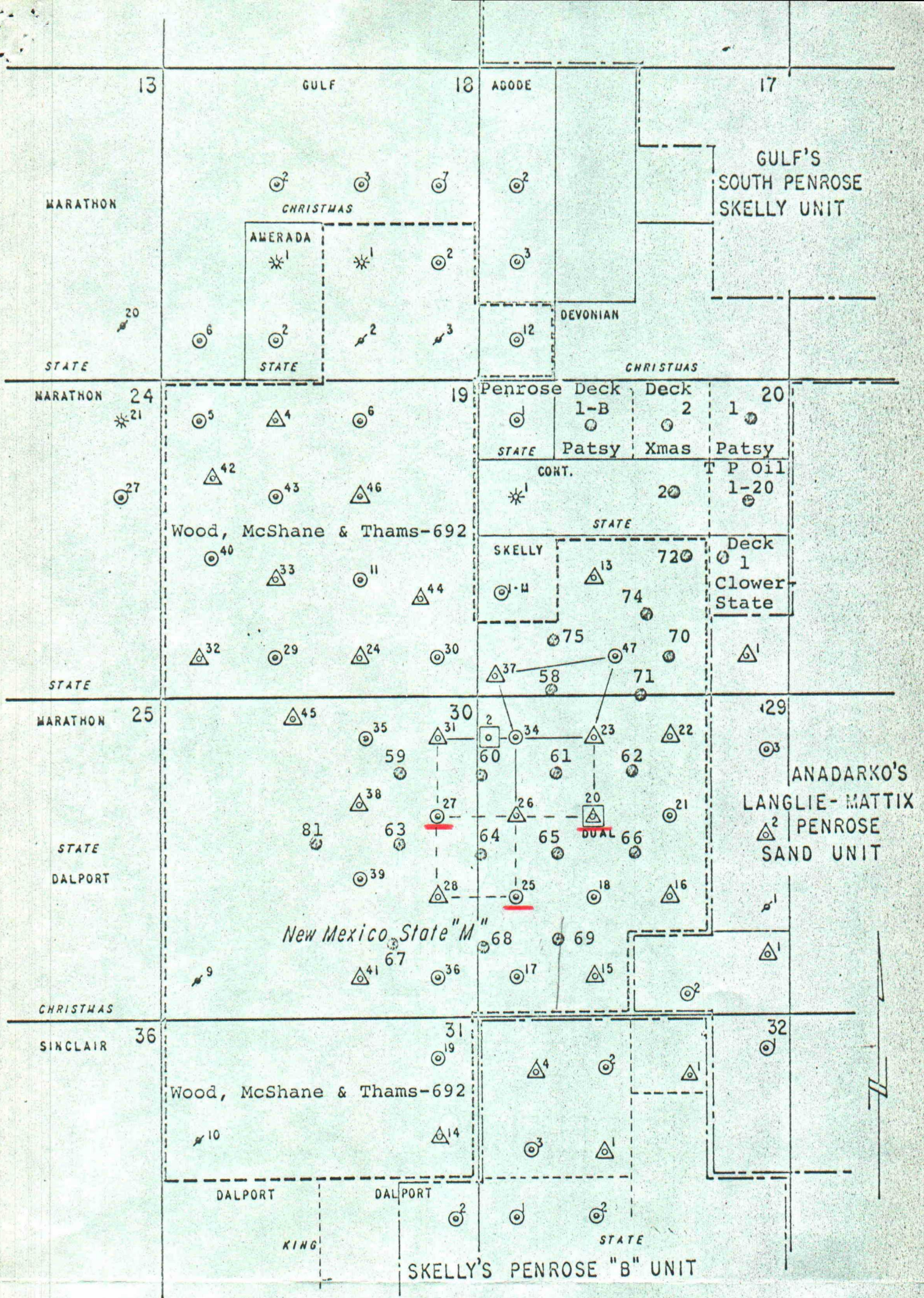
Calc. Top Gmt.  
@2600'

1 1/2" 10 Rd. Integral  
Jt. Plastic Coated  
Tbg.

Tension Type  
Pkr. set at 3500'

Perf. Interval  
3609'-3722'

2 7/8" csg. set @3728'  
& cemented w/200 Sx.



# - LEGEND -

- ⊙ Producing Wells
- △ Water Injection Wells
- Water Source Wells
- \* Gas Wells
- ✕ P. & A. Wells

----- State "M" Lease  
 ----- Unit Lines

QUEEN SAND  
 FLOOD PATTERN

WOOD, MCSHANE & THAMS 692, LTD.  
 NEW MEXICO STATE "M" LEASE  
 LANGLEIE MATTIX POOL  
 LEA COUNTY, NEW MEXICO