

WOOD-McSHANE, INC.

MANAGEMENT AND OPERATIONS

TELEPHONE 915 943-3092

P. O. BOX 968

MONAHANS, TEXAS 79756

August 30, 1973

WMA - 404

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

In 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 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. 30, 35, and 36, all slim-hole completions. These conversions are part of four 40-acre, 5-spot flood patterns with "M" State Nos. 56, 57, 73, and 76 being newly drilled and completed producers with 5-1/2" oil strings.

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. Sonic logs on New Mexico "M" State Nos. 35 and 36. (A log is not available on No. 30.)
3. A diagrammatic sketch of the proposed injection well completion.

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

Yours very truly,

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

A handwritten signature in dark ink, appearing to read "K. D. Myrick", written over the typed name.

K. D. Myrick

KDM:msw

cc: OCC - Hobbs, New Mexico

cc: 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 & THAMS
NEW MEXICO "M" STATE NO. 30
COMPLETION DATA

7" Csg. Set
@ 299' & Cemented
w/200 Sx.

8-3/4" Hole

2-7/8" Casing
Set @ 3749' &
Cemented w/200 Sx.

6-1/4" Hole

Calc. Top Cmt.
@ 2600'

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

Tension Type
Pkr. Set at
3510'

Perf Interval
3665-3695'
3616-3644'

WOOD, McSHANE & THAMS
NEW MEXICO "M" STATE NO. 35
COMPLETION DATA

7" Casing
Set at 285' and
Cemented w/200 Sx.

8-3/4" Hole

2-7/8" Casing

6-1/4" Hole

Calc. Top Cmt.
@ 2600'

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

Tension Type
Pkr. Set at
3550'

Perf. Interval
3645-3742'

2-7/8" Csg. Set at 3752'
Cemented w/250 Sx.

WOOD, McSHANE & THAMS
NEW MEXICO "M" STATE NO. 36
COMPLETION DATA

7" Casing
Set at 294' &
Cemented w/200 Sx.

8-3/4" Hole

2-7/8" Casing

6-1/8" Hole

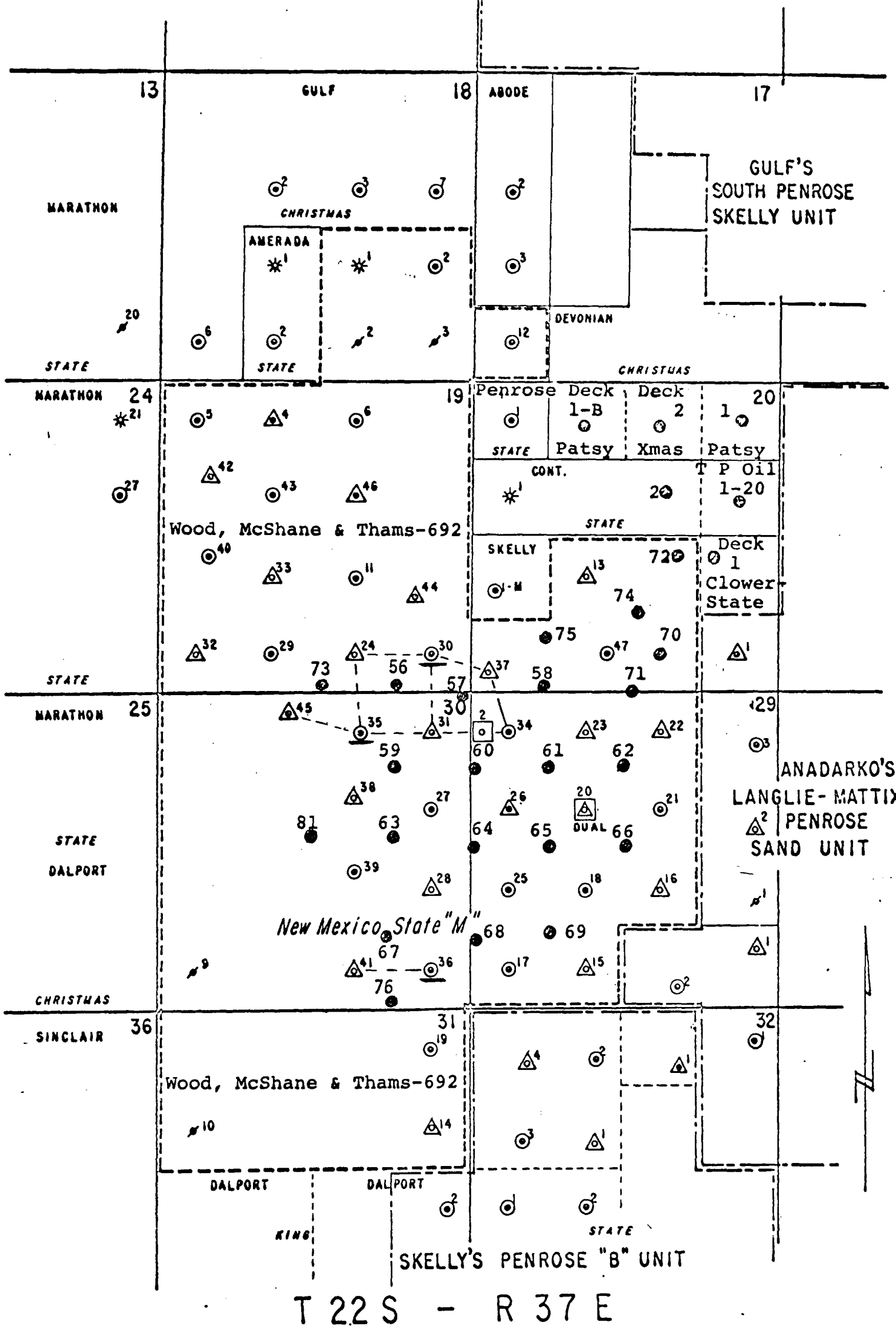
Calc. Top Cmt.
@ 2600'

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

Tension Type
Pkr. Set @
3520'

Perf. Interval
3621-3656'
3672-3716'

2-7/8" Csg. Set @ 3732'
Cemented w/250 Sx.



- LEGEND -

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

----- State "M" Lease

QUEEN SAND
FLOOD PATTERN

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

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

OFFSET OPERATORS

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

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

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

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

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