

**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

*[Handwritten signature]*

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

Gentlemen:

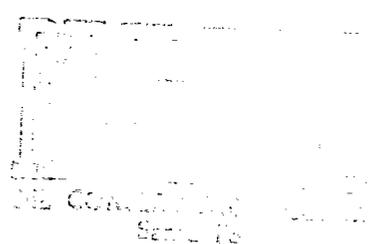
Wood, McShane & Thams are operators of the New Mexico "M" State Lease Waterflood Project, formerly operated by Humble Oil & Refining Company and approved by Commission Order No. R-2556 and extended by Order No. R-2891. Wood, McShane & Thams hereby request administrative approval to expand waterflood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



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.



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