

196 JUN 11 PM 1 08

**AMERADA DIVISION**  
**AMERADA HESS CORPORATION**

August 5, 1970

Box 591  
MIDLAND, TEXAS 79701  
915-684-5531

Mr. A. L. Porter, Jr.  
Secretary-Director  
New Mexico Oil  
Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

WFX-349

*How long*

Re: Langlie Mattix Woolworth Unit  
Sec. 27, 28, 33 and 34  
R-37-E, T-24-S,  
Lea County, New Mexico

Dear Sir:

Amerada Hess Corporation hereby requests administrative approval to expand the Langlie Mattix Woolworth Unit in accordance with Order No. R-2197-A dated September 17, 1969. Approval is requested to convert three (3) wells to injection and drill three (3) injection wells as follows:

Convert: L.M.W.U. Well No. 113 located in Unit P, SE/4,SE/4, Sec. 33  
L.M.W.U. Well No. 804 located in Unit D, NW/4,NW/4, Sec. 33  
L.M.W.U. Well No. 902 located in Unit L, NW/4,SW/4, Sec. 33

Drill: L.M.W.U. Well No. 165 located in Unit N, SE/4,SW/4, Sec. 34  
L.M.W.U. Well No. 166 located in Unit P, SE/4,SE/4, Sec. 34  
L.M.W.U. Well No. 003 located in Unit N, SE/4,SW/4, Sec. 33

These wells along with existing injection wells are shown on the attached plat. The proposed injection wells are offsets to producing wells which have experienced substantial response to water injection.

Injection will be into the Langlie Mattix zone with expected stabilized rates of 300-600 bwpd. The primary source of injection water is the San Andres in addition to produced water and waste water from El Paso Natural Gas Company's processing plants.

The following attachments accompany this request in compliance with Rule 701:

1. A plat showing proposed injection wells
2. Log of well no. 804. Logs for no. 113 and 902 not available.
3. Diagrammatic sketch of all proposed injection wells.

Yours very truly,



D. G. Griffin  
Technical Services Manager

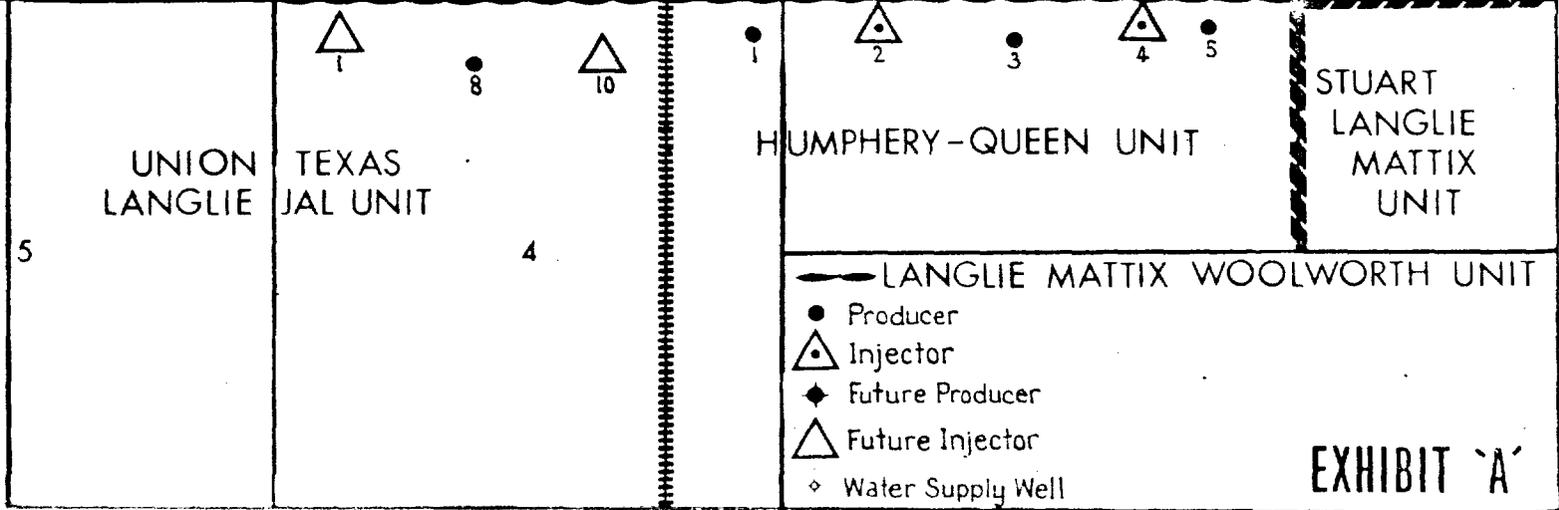
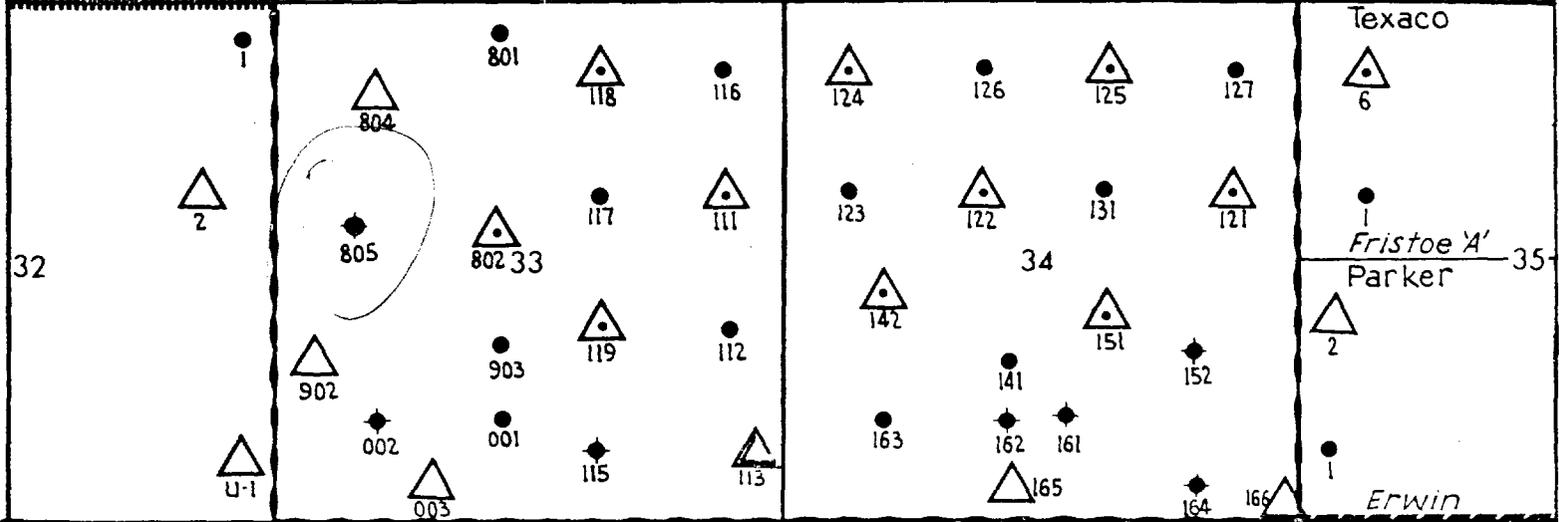
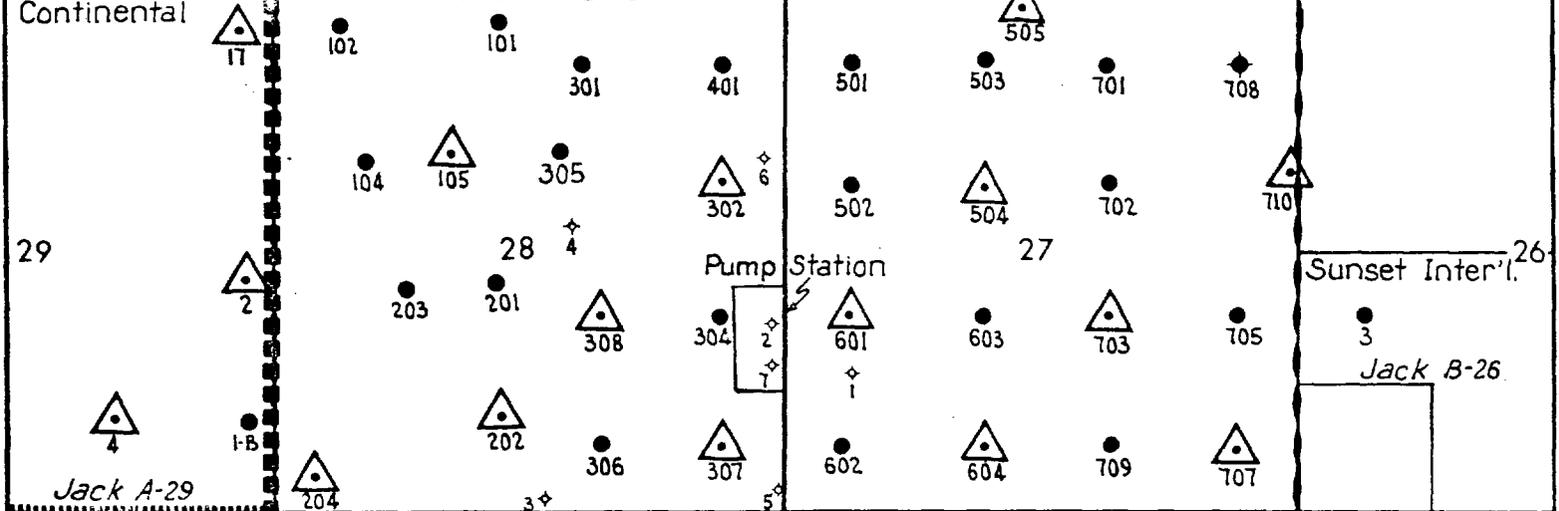
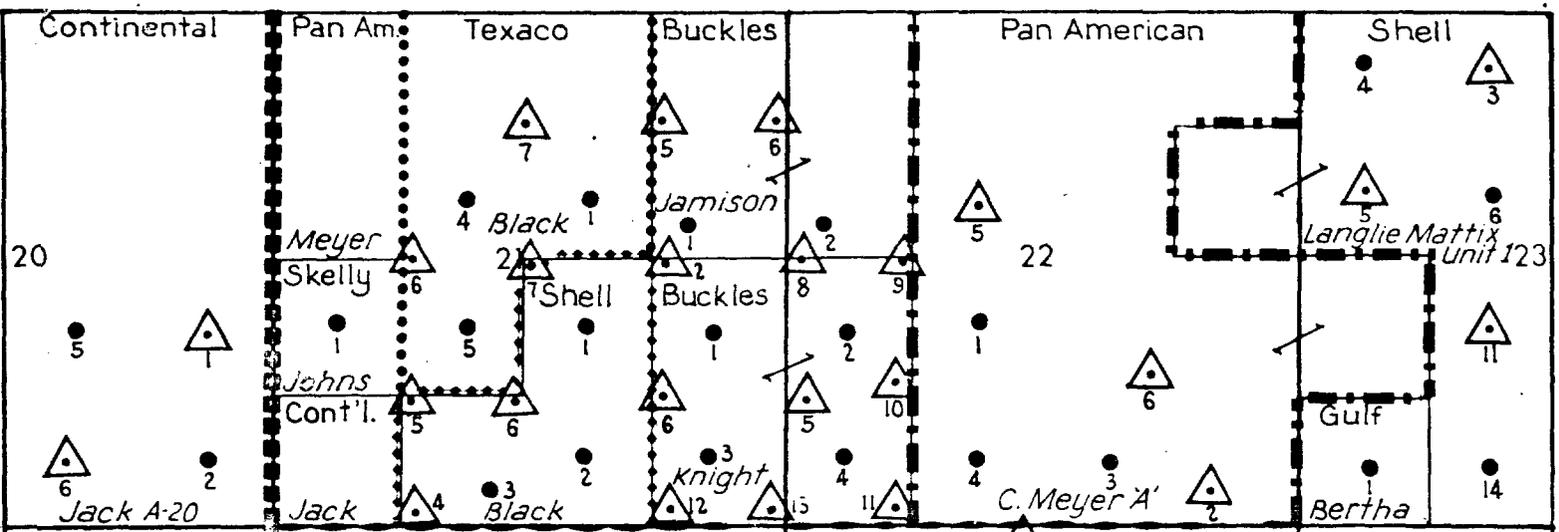
AMERADA HESS CORPORATION

DGG/db

CC: See attached Distribution Sheet.  
Midland File

DISTRIBUTION SHEET

Orig & cc: Mr. A. L. Porter, Jr., P.O. Box 2088, Santa Fe, New Mexico  
W/Attachments  
cc: Mr. Joe Ramey, N.M.O.C.C., P.O. Box 1980, Hobbs,  
New Mexico W/Attachments  
cc: Gulf Oil Corporation, P.O. Box 670, Hobbs, New Mexico  
Continental Oil Company, P.O. Box 460, Hobbs, New Mexico  
Texaco, Incorporated, P.O. Box 728, Hobbs, New Mexico  
R. L. Parker, 518 NBT Bldg., Tulsa, Oklahoma  
G. L. Buckles, P.O. Box 56, Monahans, Texas  
Union Texas Petroleum, 1300 Wilco Bldg., Midland, Texas  
Westates Petroleum Company, P.O. Box "SS", Jal, New Mexico  
Rodman Petroleum Company, P.O. Box 3826, Odessa, Texas  
Shell Oil Company, P.O. Box 1509, Midland, Texas  
Pan American Petroleum Corporation, P.O. Box 68, Hobbs, New Mexico  
Sunset International Petroleum Corp., Suite 308,  
Two-O-One Wall Bldg., Midland, Texas  
Mobil Oil Company, Box 633, Midland, Texas  
Humble Oil & Refining Company, Box 1600, Midland, Texas



● Producer  
 ▲ Injector  
 ◆ Future Producer  
 △ Future Injector  
 ◇ Water Supply Well

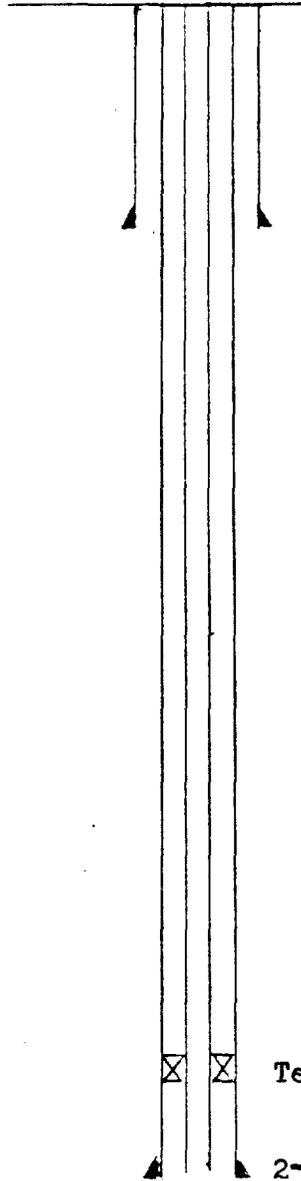
EXHIBIT 'A'

T 24 S

T 25 S

Langlie Mattix Woolworth Unit  
Well No. 113

10-3/4" @ 302  
200 sx Cement



Tension Packer @ 3100'

7" @ 3324'  
400 sx cement

2-3/8" tbg. @ 3300'

————— T.D. 3765'

Langlie Mattix Woolworth Unit  
Well No. 804

9-5/8" @ 1226  
250 sx cement

⊗ ⊗ Tension packer @ 3100'

7" @ 3330'  
250 sx cement

▲ ▲ 2-3/8" tbg. @ 3325'

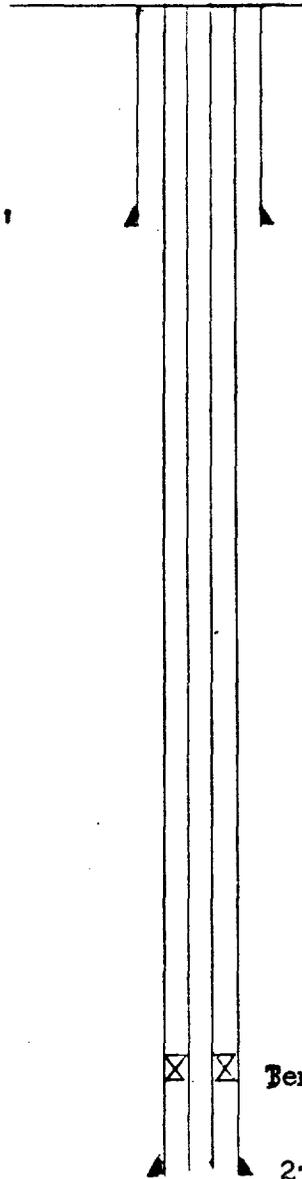
————— T.D. 3821'

Langlie Mattix Woolworth Unit

Well No. 902

8-5/8" @ 1170'

5-1/2" @ 3299'



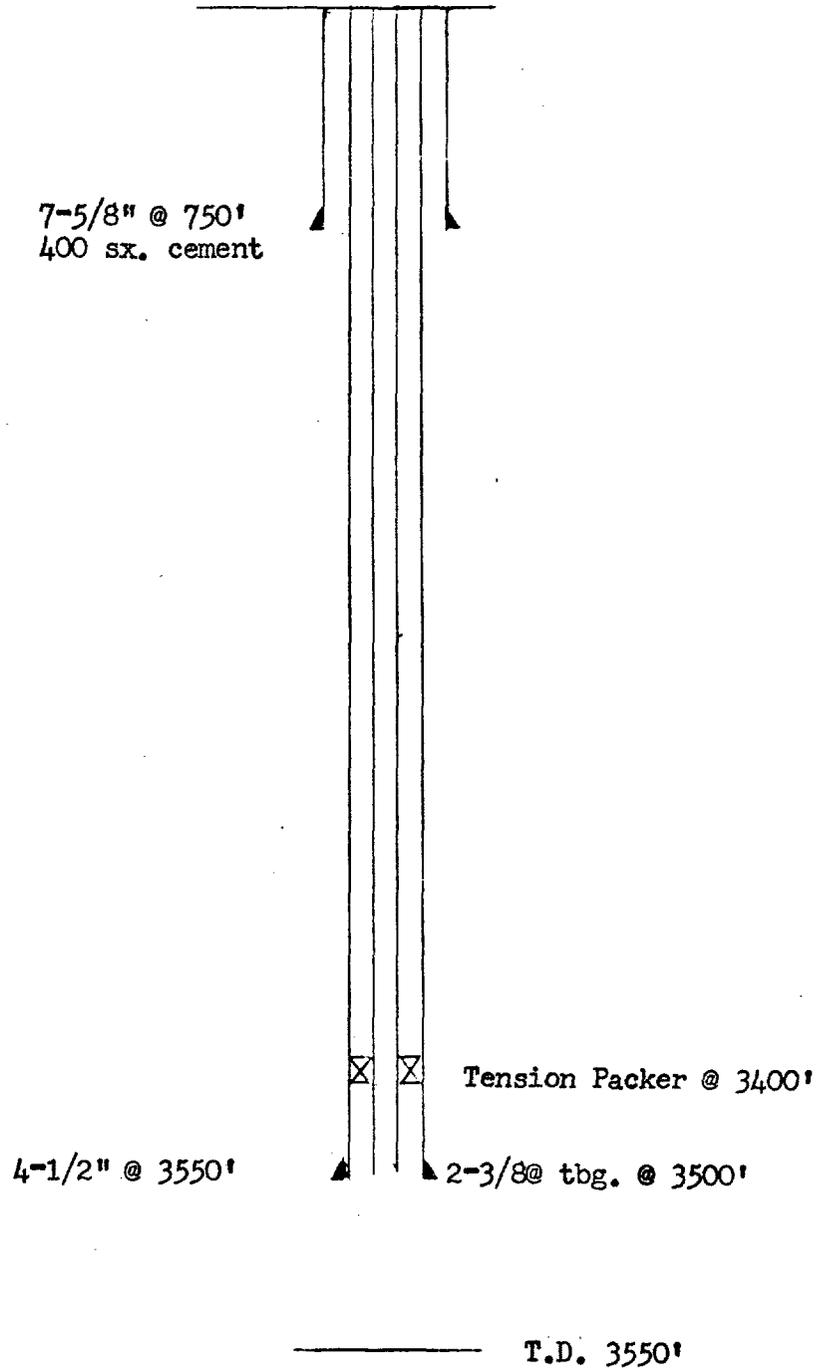
Tension Packer @ 3100'

2-3/8" tubing @ 3300'

T.D. 3755'

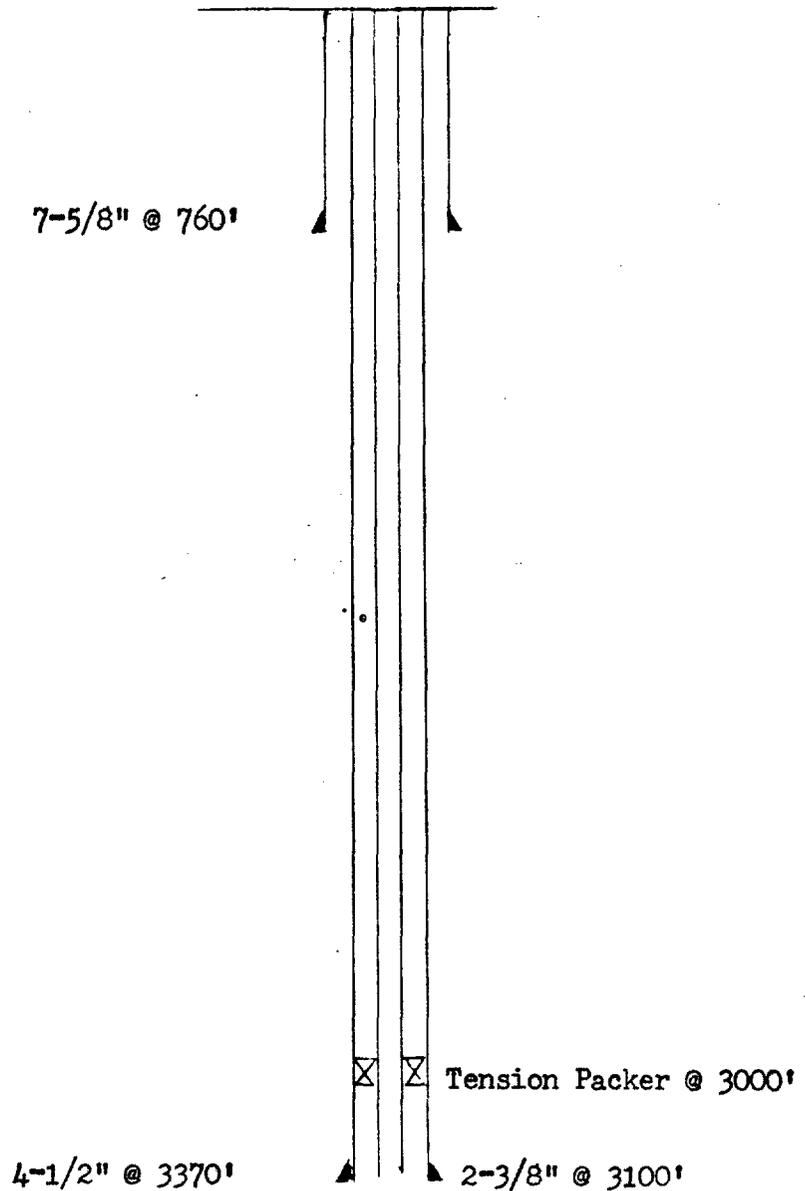
Langlie Mattix Woolworth Unit

Well No. 165



Langlie Mattix Woolworth Unit

Well No. 166



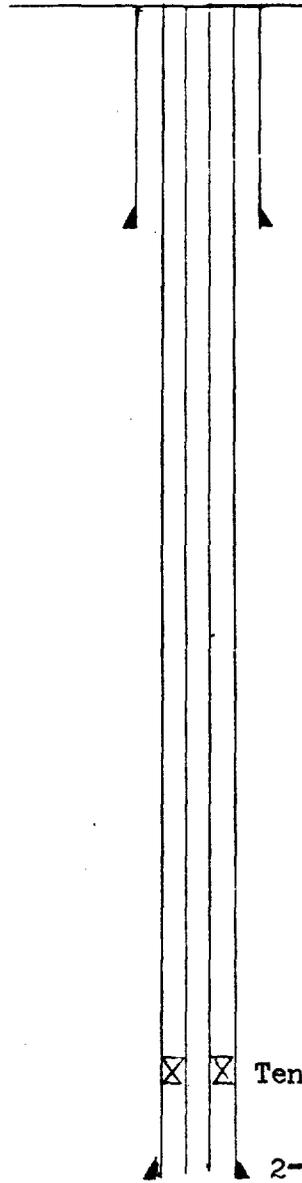
T.D. 3370'

Langlie Mattix Woolworth Unit

Well No. 003

7-5/8" @ 760'

4-1/2" @ 3735'



Tension packer @ 3300'

2-3/8" tubing @ 3550'

T.D. 3735'

WAIVER  
1970 JUL 20 9:27

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

1970 AUG 21 AM 8 33

Re: Langlie Mattix Woolworth Unit  
Lea County, New Mexico

Gentlemen:

The undersigned operator has been notified of Amerada Hess Corporation's application for administrative approval to drill an injection well at a non-standard location. Langlie Mattix Woolworth Unit well no. 166 is to be located 100' FSL and 125' FEL of Sec. 34, T-24S, R-37E, Lea County, New Mexico.

You are advised that the undersigned operator hereby waives notice and hearing on the above application.

Yours very truly,

By: A. E. Cabb

Title: AGENT

Company: ROBERT L. PARKER TR.

Date: 7-15-70

RECEIVED

AUG 17 1970

OIL CONSERVATION COMM.  
HOUSTON, TEXAS

WAIVER

1970 JUL 16 PM 1 12

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

Re: Langlie Mattix Woolworth Unit  
Lea County, New Mexico

Gentlemen:

The undersigned operator has been notified of Amerada Hess Corporation's application for administrative approval to drill an injection well at a non-standard location. Langlie Mattix Woolworth Unit well no. 166 is to be located 100' FSL and 125' FEL of Sec. 34, T-24S, R-37E, Lea County, New Mexico.

You are advised that the undersigned operator hereby waives notice and hearing on the above application.

Yours very truly,

R-2197-A

By: M. E. Taylor

Title: District Production Manager

Company: GULF OIL CORPORATION

Date: July 15, 1970

MIDLAND

1970 JUL 22 AM 11: 01

WAIVER

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

Re: Langlie Mattix Woolworth Unit  
Lea County, New Mexico

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You are advised that the undersigned operator hereby waives notice and hearing on the above application.

Yours very truly,

By: JA Mani  
Title: Prod. Engrg. Super.  
Company: Mobil Oil Corp.  
Date: 7/20/70

1970 AUG 21 AM 8 33

RECEIVED

AUG 17 1970

OIL CONSERVATION COMM.  
HOELS, L. L.

**REGION OFFICE FILE**  
*LMM U # 166*

MIDLAND  
1970 JUL 16  
WAIVER

<b>WOBBS AREA</b>	
REG. NO.	_____
AREA NO.	<i>low</i>
ADMIN.	_____
ENG.	_____
FILE	_____

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

Re: Langlie Mattix Woolworth Unit  
Lea County, New Mexico

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Yours very truly,

By: *M. J. Taylor*  
Title: District Production Manager  
Company: GULF OIL CORPORATION  
Date: July 15, 1970

'70 AUG 21 AM 8 33

RECEIVED

AUG 17 1970

OIL CONSERVATION COM. 10255, N. E.

**AMERADA DIVISION  
AMERADA HESS CORPORATION**

August 13, 1970

BOX 591  
MIDLAND, TEXAS 79701  
915-684-5531

Mr. A. L. Porter, Jr.  
Secretary-Director  
New Mexico Oil  
Conservation Commission  
P.O. Box 2088  
Santa Fe, New Mexico 87501

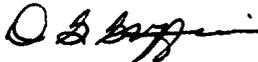
Re: Langlie Mattix Woolworth Unit  
Sec. 27, 28, 33 and 34  
R-37-E, T-24-S,  
Lea County, New Mexico

Dear Sir:

70 AUG 17 AM 8 19

Enclosed are two copies of a Gamma Ray Neutron log on the LMWU well no. 804 which was inadvertently omitted from our application of August 5, 1970. Please include these logs as part of our original application for expansion of the Langlie Mattix Woolworth Unit waterflood.

Yours very truly,

  
D. G. Griffin

DGG/kw

cc: Mr. Joe Ramey, N.M.O.C.C., Hobbs w/enclosure

Enclosures