

LAW OFFICES OF

CAMPBELL & RUSSELL

J. P. WHITE BUILDING

ROSWELL, NEW MEXICO

11 October 1957

JACK M. CAMPBELL  
JOHN F. RUSSELL

TELEPHONES  
MAIN 2-4641  
MAIN 2-4642

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

*File  
Case - 1300*

Gentlemen:

Enclosed please find the original and two copies of the application of General Americal Oil Company of Texas for an order amending Order No. R-1058 concerning its pilot water flood project in the Gray-burg-Jackson Pool, Eddy County, New Mexico.

Very truly yours,

CAMPBELL & RUSSELL

*Jack M. Campbell*  
Jack M. Campbell

JMC:bb  
Enclosures

*10-14-57  
Docketed & filed to Sim Christy  
Jack Campbell  
BP*

BEFORE THE NEW MEXICO  
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION OF	)	
GENERAL AMERICAN OIL COMPANY OF TEXAS	)	
FOR AN ORDER AMENDING ORDER NO. R-1058	)	
CONCERNING ITS PILOT WATER FLOOD PROJ-	)	No. 1300
ECT IN THE GRAYBURG-JACKSON POOL, EDDY	)	
COUNTY, NEW MEXICO, TO PERMIT THE IN-	)	
JECTION OF UNLIMITED AMOUNTS OF WATER	)	
INTO THE INJECTION WELLS AUTHORIZED BY	)	
<u>SAID ORDER.</u>	)	

APPLICATION

Comes now Applicant, General American Oil Company of Texas,  
by its attorneys, and states:

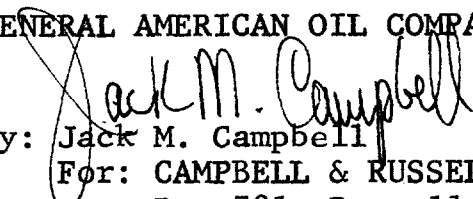
1. Under the provisions of Commission Order No. R-1058 dated September 30, 1957, Applicant was permitted to establish a pilot water flood project in the Grayburg-Jackson Pool, Eddy County, New Mexico, and as a part of said Order, the input volume of water was limited to an amount not to exceed 400 barrels of water into each intake well.

2. Due to reservoir conditions, said limitation restricts the effective and efficient operation of the said pilot water flood project.

WHEREFORE, Applicant respectfully requests the amendment of said Order No. R-1058 to permit the injection of unlimited amounts of water into the injection wells authorized by said Order for Applicant's pilot water flood project in the Grayburg-Jackson Pool, Eddy County, New Mexico.

APPLICANT FURTHER REQUESTS that this matter be set down before an Examiner for the Commission at an early date and that notice of said hearing be published as required by law.

Respectfully submitted,

GENERAL AMERICAN OIL COMPANY OF TEXAS  
  
By: Jack M. Campbell  
For: CAMPBELL & RUSSELL  
Box 721, Roswell, New Mexico  
Attorneys for Applicant

DATED: October 11, 1957

MAIN OFFICE OCC

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BEFORE THE NEW MEXICO  
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION OF )  
GENERAL AMERICAN OIL COMPANY OF TEXAS )  
FOR PERMISSION TO INJECT WATER INTO THE )  
GRAYBURG - JACKSON ZONE IN THE GRAYBURG )  
COOPERATIVE AND UNIT AREA IN SECTIONS )  
18 AND 19, TOWNSHIP 17 SOUTH, RANGE 30 )  
EAST, EDDY COUNTY, NEW MEXICO, AND FOR )  
THE ESTABLISHMENT OF AN ALLOWABLE FORMULA. )

No. 1300  
Docketed 8-1-57  
F.P.

APPLICATION

Comes now Applicant, General American Oil Company of Texas, by its attorneys, and pursuant to Rule 701 of the Rules and Regulations of the New Mexico Oil Conservation Commission, states:

1. Applicant is the owner and operator of wells situated within the Grayburg Cooperative and Unit Area in Sections 23, 24, 25 and 26, Township 17 South, Range 29 East, and Sections 18, 19 and 30, Township 17 South, Range 30 East, Eddy County, New Mexico.

2. Applicant desires to institute a pilot water flood project with injection wells situated in Sections 18 and 19, Township 17 South, Range 30 East.

3. The wells involved in this application are producing from the Grayburg - Jackson zone within the San Andres formation and productive zones of the San Andres formation will be affected by the water injection.

4. Water to be used for injection for the pilot flood program would be obtained from a zone in the Pennsylvanian formation from 9265 feet to 9299 feet, encountered in the Gulf-Grayburg Unit No. 1 located 660 feet from the south line and 560 feet from the west line of Section 24, Township 17 South, Range 29 East. The input volume would be established by experimentation, but would not exceed 400 barrels of water per day into each intake well. A supplementary water source has been developed from the Paddock Zone in Burch A #17 well located 660 feet

from the south and east lines of Section 18, Township 17 South, Range 30 East. This well is capable of producing water at the rate of 360 barrels per day while producing 43 barrels of oil.

5. General American Oil Company of Texas will be the operator of the project.

6. Pursuant to Rule 701, Applicant attaches to this application the following:

(a) Plat, designated as Exhibit 1, showing the location of five (5) intake wells and the location of all wells and the names of lessees within one-half mile of the intake wells. There are no offset operators other than Applicant.

(b) Logs of each proposed intake well, designated as Exhibit 2 (a) (b) (c) (d) and (e).

(c) Schematic diagram, designated Exhibit 3, indicating proposed method of installing formation packer in intake wells.

(d) Copy of letter to U.S.G.S., designated Exhibit 4, requesting approval of the proposed pilot flood program.

7. The granting of this application will prevent waste and avoid premature abandonment of oil wells.

8. Sinclair Oil and Gas Company is the only operator within one-half mile of the proposed intake wells and a complete copy of this application is being forwarded to Sinclair Oil and Gas Company.

WHEREFORE, Applicant requests the Commission to set this matter down before an Examiner at the earliest possible date and to publish notice as provided by law. Applicant further requests the Commission, after hearing, to approve the program and to establish an allowable formula permitting Applicant to operate the secondary recovery project to its maximum efficiency.

Respectfully submitted,

GENERAL AMERICAN OIL COMPANY OF TEXAS

By: Jack M. Campbell

For: CAMPBELL & RUSSELL

Box 721, Roswell, New Mexico  
Attorneys for Applicant

Dated: 23 July 1957