

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

November 10, 1965

C  
O  
P  
Y  
  
Maxwell Oil Company  
Continental National Bank Building  
Fort Worth, Texas 76102

Attention: Mr. Joseph D. Kennedy

Gentlemen:

Reference is made to your letter of November 5, 1965, wherein you advise that you plan to suspend water injection in your A. C. Taylor "A" Well No. 3 located in Unit N of Section 12, Township 18 South, Range 31 East, Shugart Field, Eddy County, New Mexico. You also request authority to convert your A. C. Taylor "A" Well No. 4 located in Unit D of Section 13, Township 18 South, Range 31 East, to water injection as part of a lease line agreement with the Atlantic Refining Company which has been authorized to institute a waterflood project in Section 14 immediately to the west. It is our understanding that approximately 300 barrels per day of fresh water will be injected into the Well No. 4.

Maxwell Oil Company is hereby authorized to substitute A. C. Taylor "A" Well No. 4 for A. C. Taylor "A" Well No. 3 in its Taylor Waterflood Project, Shugart Field, Eddy County, New Mexico.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP:DSN:sg

cc: Oil Conservation Commission (with enclosure) - Artesia  
United States Geological Survey - Artesia  
✓ Case File No. 334

1955 NOV 8 AM 10  
**MAXWELL OIL COMPANY**

CONTINENTAL NATIONAL BANK BLDG.  
FORT WORTH, TEXAS 76102

November 5, 1965

New Mexico Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico

Attention: Mr. Daniel S. Nutter,  
Chief Engineer

In re: Secondary Recovery Project  
Order No. R-133 dated  
March 6, 1952

Gentlemen:

In accordance with instructions given in your letter of October 8, 1965, in regard to our secondary recovery project on our Taylor Leases, Shugart Field, Eddy County, New Mexico, we hereby file our application for conversion of Well No. 4 to water injection.

In accordance with instructions given in Rule 701-B, we enclose a plat of the project area showing the location of our proposed injection well and Atlantic's proposed injection wells on the offsetting leases.

The only log we have on this well is the old cable tool driller's log and a sample log. These logs show that the Top of the Queen Sand was at 3500 feet and the Base of the Queen Sand at 3560 feet with shows of oil in the samples from 3523 to 3544 feet; total depth, 3567 feet.

Seven-inch casing was set at 3461 feet and was cemented with 100 sacks. Open hole section from 3525 to 3562 feet was shot with 115 quarts of nitro-glycerin and the well was cleaned out to the total depth of 3567 feet.

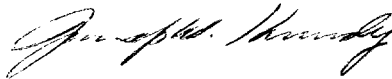
Approximately 300 barrels per day of fresh water will be injected. The source of the injection water is from 2 shallow water wells on the lease.

We are filing with your District Office Forms C-102 and with the U. S. Geological Survey Forms 9-331a, notices of our intention to suspend water injection in our A. C. Taylor "A" No. 3 and to convert our A. C. Taylor "A" No. 4 to a water injection well.

November 5, 1965

We have been advised by The Atlantic Refining Company that they anticipate they will commence actual water injection some time shortly after the 15th of November. In order that we may commence water injection at approximately the same time, it is requested that this application be given prompt attention and if you have any further questions, please call us collect at EDison 2-8374 (Area Code 817).

Yours sincerely,



Joseph D. Kennedy

JDK:ah  
Enclosure

cc: The Atlantic Refining Company  
P. O. Box 1978  
Roswell, New Mexico  
Attn: Mr. R. L. Trimble

Mr. Roy Charlesworth  
3002 Windsor Drive  
Odessa, Texas

Kewanee Oil Company  
P. O. Box 2239  
Tulsa, Oklahoma  
Attn: Mr. H. S. Erskine

New Mexico Oil Conservation Commission  
District 2  
P. O. Drawer DD  
Artesia, New Mexico

U. S. Geological Survey  
P. O. Drawer U-88210  
Artesia, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2086  
SANTA FE, NEW MEXICO

October 8, 1965

Maxwell Oil Company  
Continental National Bank Building  
Fort Worth, Texas 76102

Attention: Mr. Joseph D. Kennedy

Gentlemen:

Reference is made to your letter dated August 25, 1965, regarding the secondary recovery project which your company was authorized to conduct by Order No. R-133 dated March 6, 1952.

It is our understanding that you are entering into a cooperative waterflood agreement with the Atlantic Refining Company which was recently authorized to institute a secondary recovery project in Sections 11 and 14, Township 18 South, Range 31 East, Shugart Field, Eddy County, New Mexico. Further, that to comply with the cooperative waterflood agreement you wish to convert your A. C. Taylor Well No. 4-A located in the NW/4 NW/4 of Section 13 to water injection and to discontinue water injection in your A. C. Taylor Well No. 3-A which is located in the SE/4 SW/4 of Section 12. We feel that the continuous injection of water into the Well No. 3 since 1952 most probably has caused some stimulation to the offsetting producing wells, and that the Well No. 4 would therefore be eligible for administrative approval for conversion to water injection.

Please file your application for conversion of Well No. 4 to water injection in accordance with the provisions of Rule 701-B and we will be most happy to process the application.

Very truly yours,

Daniel S. Nutter  
Chief Engineer

DSN:sg

cc: Oil Conservation Commission - Artesia  
United States Geological Survey - Artesia

**MAXWELL OIL COMPANY**

CONTINENTAL NATIONAL BANK BLDG.

FORT WORTH, TEXAS 76102

August 25, 1965

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

Gentlemen:

Maxwell Oil Company is the operator of a federal oil and gas lease covering all of Sections 1, 12 and 13, Township 18 South, Range 31 East, Eddy County, New Mexico. The leases are in the Shugart Field. Worth Drilling Company, at that time operator of the leases, was granted permission by the Oil Conservation Commission to conduct a secondary recovery project on the leases. This order was Case #334, Order #R-133, dated March 6, 1952. Your order granted us permission to inject water in our A. C. Taylor 3-A.

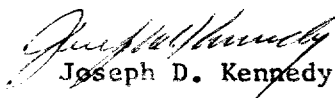
Since the time the order was issued we have continuously injected water in this well, and we have contemplated from time to time expanding to a regular 5 spot pattern by converting other producing wells to injection wells. We have recently been approached by the Atlantic Refining Company to cooperate in a waterflood they propose to put into operation on an adjoining lease. Their lease covers all of Section 14 and the E/2 of the SE/4 of Section 11. We are entering into the cooperative waterflood agreement with Atlantic Refining Company. They are going to convert two offsetting wells; one in the SE/4 of the SE/4 of Section 11, and the other in the SE/4 of the NE/4 of Section 14, and we, in turn, have agreed to convert one of our producing wells located in the NW/4 of the NW/4 of Section 13 to an injection well.

I enclose a plat showing the location of the leases and the wells which will be involved in the cooperative agreement with Atlantic.

Observation of the results obtained by Atlantic from their 5 spot waterflood on the adjoining leases should give us a good indication of the feasibility of expanding our operations to a full scale waterflood, and we propose to discontinue water injection in our A. C. Taylor 3-A and convert our A. C. Taylor 4-A from a producer to an injection well.

Will you please advise us if it will be necessary to have a hearing before the Commission to make this change in our operations and, if so, will you please set a date for a hearing.

Yours sincerely,

  
Joseph D. Kennedy

JDK/sr

Enc:

cc: U. S. Department of Interior  
Geological Survey  
Artesia, New Mexico

FIELD ADDRESS:  
P. O. BOX 667  
KERMIT, TEXAS

WORTH DRILLING COMPANY, INC.  
FORT WORTH NATIONAL BANK BUILDING  
FORT WORTH 2, TEXAS

January 23, 1952

New Mexico Oil Conservation Commission  
2005 Booker Building  
Artesia, New Mexico

Attention: Mr. Justin P. Newman  
Oil and Gas Inspector

Dear Mr. Newman:

Enclosed is a copy of the Engineering Report in regard to our Water Flooding Program on our Taylor Leases in the North Shugart Field, Eddy County, New Mexico. This is the report which was submitted to the New Mexico Oil Conservation Commission as Exhibit "A" at the Hearing on January 22, 1952. We also enclose photostatic copies of letters from the United States Geological Survey and the offset operators giving their approval of our Water Flooding Program.

This material is being sent to you so that you might have the information for your district office.

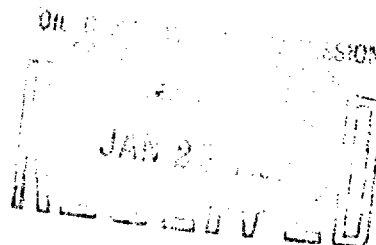
Yours sincerely,

*Joseph D. Kennedy*  
Joseph D. Kennedy  
Secretary-Treasurer

JDK/bb

Encls.

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

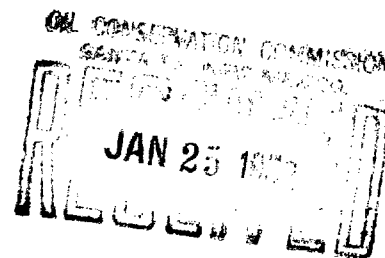


FIELD ADDRESS:

P. O. BOX 667  
KERMIT, TEXAS

WORTH DRILLING COMPANY, INC.

FORT WORTH NATIONAL BANK BUILDING  
FORT WORTH, TEXAS



January 23, 1952

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

Attention: Mr. R. R. Spurrier  
Secretary and Director

Dear Mr. Spurrier:

Enclosed are photostatic copies of letters from the United States Geological Survey and the two offset operators giving their approval for our proposed Water Flooding Program on our Taylor Leases in the North Shugart Field, Eddy County, New Mexico.

This is the material which I said that I would submit in Case No. 334 and it is requested that these letters be included with my testimony as Exhibit "B", the Engineering Report to be designated as Exhibit "A".

Yours sincerely,

*Joseph D. Kennedy*  
Joseph D. Kennedy  
Secretary-Treasurer

JDK/bb  
Encls.

## CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

# WESTERN UNION

1201

W. P. MARSHALL, PRESIDENT

(16)

## SYMBOLS

DL = Day Letter

NL = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

LA16 DC065 FWA31

FW BJ151 PD=BJ FTWORTH TEX 7 230P=

NEW MEXICO OIL CONSERVATION COMM=

SANTAFE NMEX=

1952 JAN 7 PM 2 37

PLEASE ADVISE BY WIRE COLLECT, DATE, TIME AND PLACE, WATER  
FLOODING PERMIT HEARING, NORTH SHUGART FIELD, EDDY COUNTY,  
NEW MEXICO STOP ALSO PLEASE MAIL COPY OF NOTICE OF HEARING  
AND ANY OTHER DATA AVAILABLE ON SAME TO US AT 2003 CONTINENTAL  
LIFE BUILDING, FORT WOR, TEXAS. THANKS=

WHALEY CO INC BY WILLIAM D MORRIS PRESIDENT=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

DOMESTIC SERVICE	
Check the class of service desired; otherwise this message will be sent as a full rate telegram	
FULL RATE TELEGRAM	SERIAL
DAY LETTER	NIGHT LETTER

# WESTERN UNION

1206

INTERNATIONAL SERVICE	
Check the class of service desired; otherwise this message will be sent at the full rate	
FULL RATE	LETTER TELEGRAM
VICTORY LETTER	SHIP RADIOGRAM

W. P. MARSHALL, PRESIDENT

NO. WDS.-CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	TIME FILED
			ø Case 334	

Send the following message, subject to the terms on back hereof, which are hereby agreed to

**COLLECT TO:**

**JAN 7 1952**

**MR WILLIAM D MORRIS, PRESIDENT  
WHALEY CO., INC.  
2003 CONTINENTAL LIFE BUILDING  
FORT WORTH TEXAS**

**WORTH DRILLING CO. APPLICATION RE WATER-FLOODING PERMIT SET UP AS  
COMMISSION CASE 334 SCHEDULED HEARING JANUARY 22 AT 10 A.M. MARY  
HALL STATE CAPITOL SANTA FE. COPY OF DOCKET BEING MAILED YOU TODAY.**

**R R SPURRIER  
N M OIL CONSERVATION COMMISSION**



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 997  
Roswell, New Mexico

January 5, 1952

Worth Drilling Company, Inc.  
Fort Worth National Bank Building  
Fort Worth 2, Texas

Attention: Mr. Joseph D. Kennedy  
Secretary - Treasurer

Gentlemen:

Reference is made to your letter of December 5, 1951 to the New Mexico Oil Conservation Commission requesting a hearing on your application for approval by the Commission of a water flooding project for secondary recovery of oil from your Federal Taylor lease Las Cruces 058709(a).

The subject has been reviewed by correspondence and during conferences with representatives of your company and members of our Roswell and Artesia offices. On December 14, 1951, District Engineer John A. Frost approved your notice of intention to convert your well No. 3 "A" Taylor to a water injection well. This well is located 660 feet from the south line and 1980 feet from the west line of sec. 12 T. 18 S., R. 31 E., North Shugart field, Eddy County, New Mexico.

You state that you intend to re-enter the Malco-Taylor "R" well No. 1 which was originally completed as a dry hole and has been plugged to the surface, for the purpose of obtaining additional water. Notice of intention to re-open this well and convert it to a water well must be filed for approval with our Artesia district office before commencing operations.

This is to confirm our concurrence in your proposal for a water flooding project for secondary recovery of oil on lease Las Cruces 058709(a). This office feels that the project is desirable from the standpoint of obtaining greatest ultimate recovery of oil from the Queen sand reservoir. You may use all or any portion of this letter in the presentation of your application before the Oil Conservation Commission.

JAN 25 1952

So that our records may be complete, kindly furnish this office with two (2) copies of any written material, maps, plats or other exhibits that may be presented to the Oil Conservation Commission at its hearing on the subject to be held in Santa Fe on January 22, 1952 under Case No. 334.

Very truly yours,

A handwritten signature in cursive script, reading "Foster Morrell". The signature is written in dark ink and is positioned above the printed name.

FOSTER MORRELL  
Regional Oil and Gas Supervisor

STATE OF NEW MEXICO  
OFFICE OF STATE GEOLOGIST  
SANTA FE, NEW MEXICO

January 2, 1952

C  
O  
P  
Y  
  
Worth Drilling Company, Inc.  
Ft. Worth National Bank Building  
Ft. Worth, Texas

Attention: Mr. Joseph D. Kennedy

Gentlemen:

Your application of December 5, 1951, has been formalized in Oil Commission records as Case 334 and is scheduled for hearing at our regular hearing on January 22, 1952, at 10 a.m. in Mabry Hall, State Capitol, Santa Fe, New Mexico.

Very truly yours,

R. R. Spurrier  
Secretary - Director

RRS:nr

H. R. PATON  
BOX 667  
ARTESIA, N. M.

E. A. PATON  
BOX 667  
ARTESIA, N. M.

**PATON BROS.**

DRILLING CONTRACTORS

P. O. BOX 667

ARTESIA, N. M.

December 18, 1951

Mr. Roy Charlesworth  
c/o Worth Drilling Company  
Kermit, Texas

Dear Sir:

With reference to our telephone conversation of recent date, we wish to grant permission to Worth Drilling Company to "water" the lease which offsets the Johnson Lease of Paton Brothers.

Yours truly,

PATON BROTHERS

By



H. R. Paton

HRP:jd

*Business Office:*

~~8-8-804-881~~  
~~TELEPHONE 3443~~  
~~ARTESIA, N. M.~~

P. O. Box 577  
Artesia, N. M.

*Field Office:*

1203 CHISUM STREET  
TELEPHONE 615W  
ARTESIA, NEW MEXICO

BOB JOHNSON

*Oil Operator--Drilling Contractor*

~~Artesia, New Mexico~~

Artesia, New Mexico

December 15, 1951

Mr. Roy Charlesworth  
P. O. Box 667  
Worth Drilling Company  
Kermit, Texas

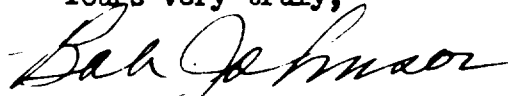
Dear Mr. Charlesworth:

Complying with your request made during our telephone conversation on December 12, 1951 in reference to the plans of your company to create a water drive for the purpose of increasing oil production from your oil wells in the North Shugart Area.

You may consider this as my agreement to your plans to create your water drive. I am the owner of a Federal Oil and Gas Lease referred to as the Swearingen Lease in Section 14, Township 17, Range 31, Eddy County.

It is my understanding that you will comply with all Federal rules and regulations in regard to Federal Oil and Gas Leases and the operations thereunder.

Yours very truly,



Bob Johnson