

North American Producing Division  
New Mexico-Arizona District  
P.O. Box 1878  
Santa Fe, New Mexico 87501  
Telephone: 505 624 4041

W. P. Tomlinson  
District Engineer

1966 SEP 14 AM 8 00



September 13, 1966

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

Attention: Mr. A. L. Porter

Re: Culwin Unit Waterflood  
Order No. R-2845

*File  
Case 3125*

Gentlemen:

Atlantic Richfield Company started injecting water into the Culwin Unit Waterflood Project on September 1, 1966. Water is presently being injected into five wells in the Unit with injection being down tubing and below a packer.

The following table lists the injection wells along with the packer setting depth, depth of casing shoe, top of perforations and date injection started. This information indicates compliance with provisions of your letter dated December 21, 1964, on this subject.

Well Name	Packer Setting Depth	Depth of Casing Shoe	Top of Perfs.	Date Injection Started
Culwin Unit No. 2	3084'	3351'	3124'	September 2
Culwin Unit No. 7	3030'	3092'	O.H.	September 8
Culwin Unit No. 11	3064'	3164'	3110'	August 31
Culwin Unit No. 17	3020'	3256'	3080'	September 2
Culwin Unit No. 18	3056'	3197'	3102'	September 2

If any additional information is required please advise.

Yours very truly,

W. P. Tomlinson

WPT:jcb

cc: United States Geological Survey, Artesia, N.M.  
New Mexico Oil Conservation Commission, Artesia, N.M.  
State Engineer, Santa Fe, New Mexico

**OIL CONSERVATION COMMISSION**  
P. O. BOX 871  
SANTA FE, NEW MEXICO

**December 21, 1964**

**Mr. Clarence Hinkle  
Hinkle, Bondurant & Christy  
Attorneys at Law  
Post Office Box 10  
Roswell, New Mexico**

**Dear Sir:**

**Enclosed herewith is Commission Order No. R-2846, entered in Case No. 3155, approving the Atlantic Refining Company Culwin Unit Water-flood Project in the Shugart Pool.**

**Injection is to be through the six authorized injection wells which shall be equipped with tubing and packer, the packers being set within 100 feet of the uppermost perforation, or, in the case of open-hole completion, within 100 feet of the casing shoe.**

**As to allowable, our calculations indicate that when all of the authorized injection wells have been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 756 barrels per day.**

**Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the Commission and the appropriate district proration office.**

**In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify both of the aforementioned Commission offices by letter of any change**

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

-2-

Mr. Clarence Hinkle

in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

Your cooperation in keeping the Commission so informed as to the status of the project and the wells therein will be appreciated.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Enclosure

cc: Mr. Frank Irby  
State Engineer Office  
Santa Fe, New Mexico

Oil Conservation Commission:  
Hobbs, New Mexico  
Artesia, New Mexico

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October 30, 1964

Mr. Clarence E. Hinkle  
Attorney at Law  
Hinkle, Bondurant & Christy  
P. O. Box 10  
Roswell, N. M.

DOCKET MAILED

Date 12-4-64

Dear Mr. Hinkle:

Receipt of your application on behalf of Atlantic Refining Company which seeks approval of the Culwin Queen Unit Water Flood Project is gratefully acknowledged.

I have noted that no information is given on the cementing job on Exhibit G above depth 3201 which is 121 feet below the proposed packer setting and that no information is given on the cementing of the casing above 3154 on the 4½ inch casing for the well shown on Exhibit H. I would appreciate receiving any information that Atlantic Refining Company may have on these two points.

I am prepared to give clearance on the wells represented on Exhibits C, D, E and F at this time, provided they are constructed and equipped in the manner shown on Exhibits, but I will not be able to give clearance on the wells represented by Exhibits G & H until I have received the above mentioned information.

Very truly yours,

FBI/ma  
cc-Oil Conservation Comm.  
Atlantic Ref. Co.  
F. H. Hennighausen

S. E. Reynolds  
State Engineer

By:  
Frank E. Irby, Chief,  
Water Rights Division

DOCKET MAILED

Date 11-13-64

CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
S. B. CHRISTY IV  
LEWIS C. COX, JR.  
PAUL W. EATON, JR.  
CONRAD E. COFFIELD  
HAROLD L. HENSLEY, JR.  
MICHAEL R. WALLER

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LAW OFFICES  
HINKLE, BONDURANT & CHRISTY  
HINKLE BUILDING  
ROSWELL, NEW MEXICO

OF COUNSEL: HIRAM M. DOW

TELEPHONE 622-6510  
AREA CODE 505  
POST OFFICE BOX 10

October 23, 1964

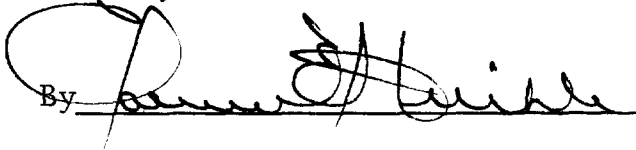
Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico

Gentlemen:

We enclose herewith three copies of application of The Atlantic Refining Company for approval of the Culwin Queen Unit Water Flood Project. We would like to have this application set down for the first examiner's hearing on which it can be included after proper notice.

Yours sincerely,

HINKLE, BONDURANT & CHRISTY

By 

CEH:cs

Enc.

cc: The Atlantic Refining Company - Roswell  
cc: The Atlantic Refining Company - Dallas

DOCKET MAILED

Date 10/27/64

RECEIVED  
NOV 11 1964

HINKLE, CLARENCE E. JR.  
HINKLE, NEW YORK

November 10, 1964

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Santa Fe, N. M.

Dear Mr. Porter:

Reference is made to the application of Atlantic Refining Company submitted by Clarence E. Hinkle which seeks approval of the Culwin Queen Unit Waterflood Project and the conversion of the following wells to water injection:

Trigg Fed. No. 1  
O'Neill Fed. "C" No. 1  
O'Neill Fed. "E" No. 2  
Hondo State RD No. 2  
Hondo State RD No. 5  
Hondo State RD No. 7

This office offers no objection to the granting of this application, provided the packers on the tubing strings are set well below the known tops of the cement surrounding the production casing in each well.

Yours truly,

S. E. Reynolds  
State Engineer

REL/ma  
cc-C. E. Hinkle  
Atlantic Refining Co.  
F. H. Hennighausen

By:  
Frank E. Irby  
Chief  
Water Rights Div.

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. <u>7</u>
CASE NO. <u>3154</u>