

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 24, 1956

Mr. S. B. Christy IV  
Hervey, Dow & Hinkle  
P.O. Box 547  
Roswell, New Mexico

Dear Sir:

In behalf of your client, Humble Oil & Refining Company,  
we enclose two copies of Order R-748 issued February 20, 1956,  
by the Oil Conservation Commission in Case 966, which was heard  
on October 17, 1955, in Hobbs, New Mexico.

Very truly yours,

W. B. Macey  
Secretary - Director

WBM:brp  
Encls.

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Re: Réclassification of Humble  
New Mexico State "G" Well No. 2,  
Sec. 26, T-21-S, R-36-E, Lea  
County, New Mexico

September 20, 1955

CASE 966

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Gentlemen:

As a result of a study performed in conjunction with reconditioning our New Mexico State "G" Well No. 2 located 660 feet from East and South lines of Section 26, Township 21 South, Range 36 East, Lea County, it is apparent that this well should be reclassified from the Arrowhead Pool to the Arrow Pool. In addition, because of the results obtained from a workover, the well should be reclassified as a gas well. The workover consisted of a sand-oil fracture treatment through perforated interval from 3716 feet to 3816 feet.

The Arrow Pool as designated by Order R-520 includes the East half of Section 26, Township 21 South, Range 36 East. The order further designated the vertical limits of the Arrow Pool to include the Yates, Seven Rivers and all of the Queen formation. The Arrowhead Pool includes only those wells producing from the Grayburg and San Andres formations. From a cross section prepared with the formation tops, based upon information obtained from the Stratigraphic Nomenclature Committee, it indicates that our New Mexico State "G" Well No. 2 is producing entirely from the Queen formation and that although the Grayburg formation may have been penetrated in drilling, the casing was set above the top of the Grayburg. Therefore, in accordance with Rule R-520, the Well should be reclassified as an Arrow Pool well.

Recent tests on small size chokes has shown the well produces with a gas-oil ratio in excess of 100,000 cubic feet per barrel. The Arrow Pool rules as set forth in Order R-520 state that a gas well will be any well having a gas-oil ratio in excess of 100,000 cubic feet per barrel.

In connection with our request that the well be reclassified as an Arrow Pool gas well, we have attached a gas unit plat dedicating the South half of Section 26, Township 21 South, Range 36 East. We also support our application with the following statements:

1. Name of well and location - New Mexico State "G" Well No. 2, located 660 feet from the East and South lines of Section 26, Township 21 South, Range 36 East, Lea County, New Mexico.
2. New Mexico State "G" No. 2 was completed in the Arrow Pool prior to the effective date of Order R-520.
3. The acreage to be dedicated is 320 acres described as the South half of Section 26, Township 21 South, Range 36 East, Lea County, New Mexico.
4. The non-standard gas proration unit consists of contiguous quarter and quarter sections.
5. The non-standard gas proration unit lies wholly within a single governmental section.
6. The entire non-standard gas proration unit may reasonably be presumed to be productive of gas.

CASE 966 - CONT'D.

7. All operators owning interests within 1500 feet of the well have been notified by registered mail.

We request reclassification of the well and the assignment of the 320 acre non-standard proration unit under the rules and regulations for the Arrow Pool as set forth in Order R-520. If you are unable to grant our request by an administrative order, then we request that a hearing date be set to consider this application.

Yours very truly,

HUMBLE OIL & RFG. COMPANY

J. W. House  
Division Superintendent

By J. P. Ruckman  
Asst. Div. Superintendent

PLAT ON FILE OCC  
SANTA FE, NEW MEXICO

NEW MEXICO OIL & GAS ENGINEERING COMMITTEE  
OCTOBER 8, 1955  
Hobbs, New Mexico

COPY

## HUMBLE OIL &amp; REFINING COMPANY

September 20, 1955

Re: Reclassification of Humble  
New Mexico State "G" Well  
No. 2, Sec. 26, T-21-S,  
R-36-E, Lea County, New  
Mexico

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Gentlemen:

As a result of a study performed in conjunction with reconditioning our New Mexico State "G" Well No. 2 located 680 feet from East and South lines of Section 26, Township 21 South, Range 36 East, Lea County, it is apparent that this well should be reclassified from the Arrowhead Pool to the Arrow Pool. In addition, because of the results obtained from a workover, the well should be ~~reclassified~~ as a gas well. The workover consisted of a sand-oil fracture treatment through perforated interval from 3716 feet to 3816 feet.

The Arrow Pool as designated by Order R-520 includes the East half of Section 26, Township 21 South, Range 36 East. The order further designated the vertical limits of the Arrow Pool to include the Yates, Seven Rivers and all of the Queen formation. The Arrowhead Pool includes only those wells producing from the Grayburg and San Andres formations. From a cross section prepared with the formation tops, based upon information obtained from the Stratigraphic Nomenclature Committee, it indicates that our New Mexico State "G" Well No. 2 is producing entirely from the Queen formation and that although the Grayburg formation may have been penetrated in drilling, the casing was set above the top of the Grayburg. Therefore, in accordance with Rule R-520, the well should be reclassified as an Arrow Pool well.

Recent tests on small size chokes has shown the well produces with a gas-oil ratio in excess of 100,000 cubic feet per barrel. The Arrow Pool rules as set forth in Order R-520 state that a gas well will be any well having a gas-oil ratio in excess of 100,000 cubic feet per barrel.

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## HUMBLE OIL &amp; REFINING COMPANY

New Mexico Oil Conservation Commission  
September 20, 1955  
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In connection with our request that the well be reclassified as an Arrow Pool gas well, we have attached a gas unit plat dedicating the South half of Section 26, Township 21 South, Range 36 East. We also support our application with the following statements:

1. Name of well and location - New Mexico State "G" Well No. 2, located 660 feet from the East and South lines of Section 26, Township 21 South, Range 36 East, Lea County, New Mexico.
2. New Mexico State "G" No. 2 was completed in the Arrow Pool prior to the effective date of Order R-520.
3. The acreage to be dedicated is 320 acres described as the South half of Section 26, Township 21 South, Range 36 East, Lea County, New Mexico.
4. The non-standard gas proration unit consists of contiguous quarter quarter sections.
5. The non-standard gas proration unit lies wholly within a single governmental section.
6. The entire non-standard gas proration unit may reasonably be presumed to be productive of gas.
7. All operators owning interests within 1500 feet of the well have been notified by registered mail.

We request reclassification of the well and the assignment of the 320 acre non-standard proration unit under the rules and regulations for the Arrow Pool as set forth in Order R-520. If you are unable to grant our request by an administrative order, then we request that a hearing date be set to consider this application.

COPY

## HUMBLE OIL &amp; REFINING COMPANY

New Mexico Oil Conservation Commission  
September 20, 1955  
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STATE OF TEXAS  
COUNTY OF MIDLAND

Before me the undersigned authority, a notary public in and for said County and State, came this day and personally appeared J. P. Ruckman, who states on oath that he is the duly designated representative of Humble Oil & Refining Company and that the information as set forth in this application is true and correct to the best of his knowledge.

Sworn to and subscribed before me by J. P. Ruckman on this 20th day of September, 1955.

Shirley J. Elmer SHIRLEY J. ELMER  
Notary Public in and for Midland  
County, Texas

Yours very truly,

HUMBLE OIL & REFINING COMPANY

J. W. HOUSE,  
Division Superintendent

By: [Signature]  
Asst. Div. Superintendent

AJT/sc  
Attachment

COPY

HUMBLE OIL & REFINING COMPANY

September 21, 1955

Gulf Oil Corporation  
Box 2167  
Hobbs, New Mexico

Sinclair Oil & Gas Company  
Box 1470  
Hobbs, New Mexico

Gentlemen:

Please find attached a copy of our application to the New Mexico Conservation Commission for a reclassification of our New Mexico State "G" Well No. 2, 680 feet from East and South lines of Section 26, Township 21 South, Range 36 East, Lea County, New Mexico, from an Arrowhead Pool oil well to an Arrow Pool gas well and the assignment of a 320 acre non-standard proration unit.

We have attached four (4) copies of a waiver which we would appreciate your signing. Please retain a copy for your files and return the other three to this office.

Thanking you in advance for your consideration of this matter.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

J. W. HOUSE,  
Division Superintendent

By: **COPY ORIGINAL** **J. P. RUCKMAN**  
Asst. Div. Superintendent

AJT/ee  
Attachment