

Case No.

440

Application, Transcript,
Small Exhibits, Etc.

470

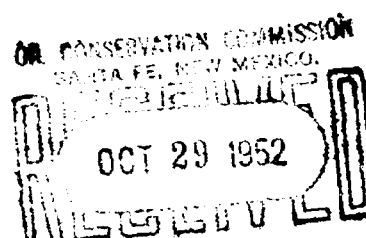
SINCLAIR OIL & GAS COMPANY

PO Box #1470

Midland, Texas
Oct. 27th, 1952

Humble Oil & Refining Co.
Midland, Texas


Attention: Mr. J. E. House
Division Supt.



Dear Sir:

In reference to your letter of October 21, 1952 and copy of your application attached thereto, to drill complete your Federal Popeano Well #1, Eunice-Monument Field, Lea County, New Mexico, this is to advise that the Sinclair Oil and Gas Company have no objections to this contemplated work.

Yours very truly,


J. E. Reeves,
Division Supt. of Production

JTR/b

cc: Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 440
ORDER No. R-229

THE APPLICATION OF HUMBLE OIL
AND REFINING COMPANY FOR AN
ORDER GRANTING PERMISSION TO
DUALY COMPLETE AND PRODUCE
ITS FEDERAL FOPEANO, WELL NO. 1,
LOCATED IN THE SE/4 SW/4 OF
SECTION 25, TOWNSHIP 20 SOUTH,
RANGE 36 EAST, NMPM, LEA COUNTY,
NEW MEXICO, IN THE EUNICE-MONUMENT
POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. November 20, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this ²⁴28 day of ~~November~~ 1952, the Commission, a quorum being present, having considered the records and the testimony adduced, and being fully advised in the premises,

FINDS:

(1) That due notice having been given as required by law, the Commission has jurisdiction of the case and the persons and subject matter thereof.

(2) That applicant's Federal Fopeano, No. 2 Well, SE/4 SW/4 Section 25, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, was completed in June, 1937 as an oil well producing from the Grayburg formation in the open-hole interval 3699-3850, having drilled through the Queen gas zone at an approximate depth of 3440-3630.

(3) That although recent experiments tend to show that mechanical packers and other devices are ordinarily available for successful dual/multiple completions of oil - gas wells, the Commission is unconvinced of the soundness as a waste-prevention practice, of such dual/multiple completions as a general practice in New Mexico without specific controls over each such project.

IT IS THEREFORE ORDERED:

That the applicant herein, Humble Oil and Refining Company, be, and it hereby is authorized to dualy complete and produce its Federal Fopeano, Well No. 2, SE/4 SW/4 Section 25, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, in such a manner that gas

from the Queen formation may be produced through the annular space between the casing and the tubing, and oil from the Grayburg formation through the tubing by proper perforations and the installation of a proper packer or packers;

PROVIDED, HOWEVER, That subject well shall be completed, and thereafter produced, in such a manner that there will be no commingling within the well bore, either within or outside the casing of gas, oil and gas, or oil produced from either or both of the separate strata, and,

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used, at any time, as may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil ratio thereof determined, and,

PROVIDED FURTHER, That the operator applicant shall make any and all tests, including segregation tests, but not excluding other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of the Commission and by representatives of offset operators, if any there be, at their election, and the results of each test properly attested to by the applicant herein and all witnesses, and shall be filed with the Commission within ten (10) days after the completion of such test, and,

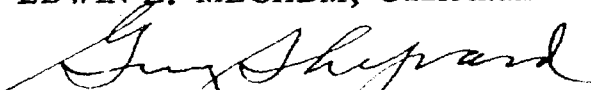
PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas/oil ratio and reservoir pressure determination of each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing, the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


EDWIN L. MECHEM, Chairman


GUY SHEPARD, Member


R. R. SPURRIER, Secretary

S E A L

OIL CONSERVATION COMMISSION

P. O. BOX 871
SANTA FE, NEW MEXICO

December 1, 1952

C
O
P
Y

Mr. John House
Humble Oil & Refining Company
Box 1600
Midland, Texas

Dear Sir:

We enclose copies of Commission Order R-227, issued in
Case 441, and Order R-229, issued in Case 440.

Yours very truly,

W. B. Macey
Chief Engineer

WBM:mr

CORRECTION
BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 440
ORDER NO. R-229 A

THE APPLICATION OF HUMBLE OIL
AND REFINING COMPANY FOR AN
ORDER GRANTING PERMISSION TO
DUALY COMPLETE AND PRODUCE
ITS FEDERAL FOPEANO, WELL NO. 1,
LOCATED IN THE SE/4 SW/4 OF SECTION
25, TOWNSHIP 20 SOUTH, RANGE 36 EAST,
NMPM, LEA COUNTY, NEW MEXICO, IN
THE EUNICE-MONUMENT POOL.

CORRECTION ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. November 20, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, the Commission, a quorum being present, having considered the records and the testimony adduced, and being fully advised in the premises,

FINDS:

(1) That due notice having been given as required by law, the Commission has jurisdiction of the case and the persons and subject matter thereof.

(2) That applicant's Federal Fopeano, No. 1 Well, SE/4 SW/4 Section 25, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, was completed in June, 1937 as an oil well producing from the Grayburg formation in the open-hole interval 3699-3850, having drilled through the Queen gas zone at an approximate depth of 3440-3630.

(3) That although recent experiments tend to show that mechanical packers and other devices are ordinarily available for successful dual/multiple completions of oil - gas wells, the Commission is unconvinced of the soundness as a waste-prevention practice, of such dual/multiple completions as a general practice in New Mexico without specific controls over each such project.

IT IS THEREFORE ORDERED:

That the applicant herein, Humble Oil and Refining Company, be, and it hereby is authorized to dualy complete and produce its Federal Fopeano, Well No. 1 SE/4 SW/4 Section 25, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, in such a manner that gas from the Queen formation may be produced through the annular space between the casing and the tubing, and oil from the Grayburg formation through the tubing by proper perforations and the installation of a proper packer or packers;

CASE NO. 440 - - - ORDER NO. R-229-A

PROVIDED, HOWEVER, That subject well shall be completed and thereafter produced, in such a manner that there will be no commingling within the well bore, either within or outside the casing of gas, oil and gas, or oil produced from either or both of the separate strata, and,

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used, at any time, as may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil ratio thereof determined, and,

PROVIDED FURTHER, That the operator applicant shall make any and all tests, including segregation tests, but not excluding other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of the Commission and by representatives of offset operators, if any there be, at their election, and the results of each test properly attested to by the applicant herein and all witnesses, and shall be filed with the Commission within ten (10) days after the completion of such test, and,

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas/oil ratio and reservoir pressure determination of each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing, the Commission may terminate the authority hereby granted, and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

This correction order is made and entered nunc pro tunc as of November 28, 1952, for the purpose of correcting certain errors in well numbers appearing in original order R-229.

DONE at Santa Fe, New Mexico, this 12th day of December, 1952.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Edwin L. Mecham
EDWIN L. MECHEM, Chairman

Guy Shepard
GUY SHEPARD, Member

R. R. Spurrer
R. R. SPURRIER, Secretary

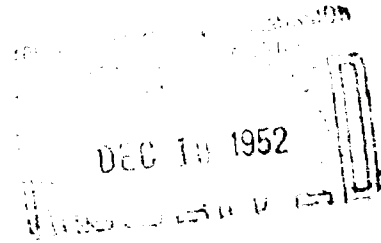
S E A L

New Mexico
OIL CONSERVATION COMMISSION

GOVERNOR EDWIN L. MECHEM
CHAIRMAN
LAND COMMISSIONER GUY SHEPARD
MEMBER
STATE GEOLOGIST R. R. SPURRIER
SECRETARY AND DIRECTOR



P. O. BOX 1548
HOBBS, NEW MEXICO
December 8, 1952



Handwritten: 400

Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Dear Mr. Spurrier:

This is to call your attention to an error in Order R-229 which is a dual completion order for the Humble Oil & Refining Company. In the paragraph at the top of the page which refers to the application the well is listed as # 1 whereas in the findings and in the order it is referred to as well # 2.

This was brought to my attention by the local office of the Humble Oil & Refining Company.

Yours very truly,

OIL CONSERVATION COMMISSION
[Signature]
A. L. Porter, Jr.
Proration Manager

ALP/cd

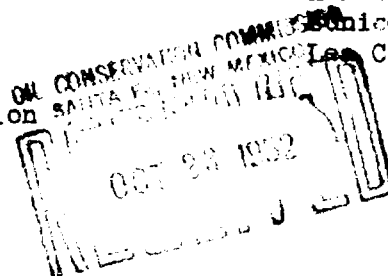
*Already
Corrected*

Case 440

Midland, Texas
October 17, 1952

File: 6-1
Re: Application to Dually Complete,
Humble Federal Fopeano 1,
Sunice-Monument Field,
Lea County, New Mexico

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico



Gentlemen:

By means of this application, Humble Oil & Refining Company wishes to state the following:

- (a) Humble Oil & Refining Company Federal Fopeano 1, located in the SE/4 of SW/4 of Section 25, T20S, R36E, Lea County, was completed June 17, 1937, at a total depth of 3850 feet. The well had 5-1/2-inch casing set at 3699 feet. Elevation of the derrick floor was 3552 feet.
- (b) Appended Exhibit A shows the location of the subject well, other wells on the same lease and all offset wells to the Humble Federal Fopeano lease.
- (c) The subject well was completed as an oil well producing in the open hole section from 3699 to 3850 feet from the Grayburg formation. A schematic diagram of the current well completion is shown in Exhibit B.
- (d) The applicant proposes to dually complete the well to produce oil from the Grayburg formation through the tubing and gas from the Queen formation through the tubing-casing annulus in the following manner:
 - (1) Perforate the 5-1/2-inch casing from approximately 3440 feet to 3630 feet opposite the Queen formation.
 - (2) Set a production type packer below the casing perforations at an approximate depth of 3675 feet to separate the two pay zones.

The manner and method of the dual completion is shown in the schematic diagram as Exhibit C.

- (e) Granting of this application for permission to produce the well as a dual completion with oil from the Grayburg formation and gas from the Queen formation is in the interest of conservation and protection of correlative rights.

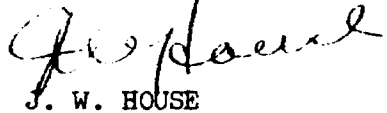
Oil Conservation Commission
State of New Mexico
October 17, 1952
Page 2

- (f) The applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pay zones.
- (g) The manner and method of the proposed dual completion is mechanically feasible and practical.

Therefore, Humble Oil & Refining Company requests that the New Mexico Oil Conservation Commission set a certain day upon which this application may be heard and after said hearing to grant permission in order that the applicant may dually complete the subject well as proposed in this application.

Respectfully Submitted,

HUMBLE OIL & REFINING COMPANY



J. W. HOUSE
Division Superintendent

JEG/hrs

Encl.

- Exhibit A: Plot showing location of subject well, other wells on same lease and all offset wells.
- Exhibit B: Schematic diagram of subject well completion.
- Exhibit C: Manner and method of dual completion proposed in subject well.

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