

Case No.

568

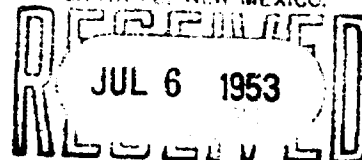
Application, Transcript,
Small Exhibits, Etc.

AMERADA PETROLEUM CORPORATION
P. O. BOX 212
MIDLAND, TEXAS

August Leasing
Case 568

June 29, 1953

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO.



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

Re: Application to Dually Complete
Amerada State WE "A" 1, Eunice
Pool, Lea County, New Mexico

Gentlemen:

By this letter of application Amerada Petroleum Corporation wishes to state the following:

(a) That Amerada Petroleum Corporation State WE "A" # 1, located in the SE/4 of NW/4 of Section 12, T-21-S, R-35-E, was completed June 21, 1953, at a total depth of 4026 feet. The attached Exhibit A shows the location of this well on the Amerada State WE "A" Lease together with the location of all offset wells.

(b) That the subject well has 7 inch casing set at 4026 feet and cemented with 400 sacks of cement. That the well is an oil well producing from casing perforations located at the intervals of 3726 to 3745 feet, 3760 to 3774 feet, 3800 to 3842 feet, 3854 to 3860 feet and 3870 to 3890 feet in the Queens formation, Eunice Pool.

(c) That the applicant proposes to dually complete the well in the following manner:

(1) Perforate the 7 inch casing within the approximate interval of 3440 to 3462 feet, 3494 to 3500 feet, 3540 to 3558 feet, and 3570 to 3596 feet opposite the Seven Rivers formation.

(2) Set a production type packer below these perforations at approximately 3610 feet to separate the two pay zones.

(3) Produce Queens oil through the tubing and Seven Rivers gas through the tubing-casing annulus.

(d) That the granting of this application for permission to produce the well as a dual completion with gas from the Seven Rivers formation and oil from the Queens formation is in the interest of conservation and the protection of correlative rights.

(e) That 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.

(f) That the manner and method of the proposed dual completion is mechanically feasible and practical.

Therefore, Amerada Petroleum Corporation requests that the 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.

Yours truly,

AMERADA PETROLEUM CORPORATION

By: J. C. Blackwood
J. C. Blackwood

JCB:mjg

In Re: HEARING -

ORDER -

CASE 568

ORDER H-262

In Re: Appl of AMRAD
To ~~Directly~~ Complete
ITS STATE WE "A" No 1.
WELL. EUNICE POOL -

ORDER OF THE COMMISSION.

By THE COMMISSION

This case etc -

Now

on this — day of — a quorum

FINDS

(1) JURISDICTION —
SE NW

- (2) That applicants State WE "A" 1 WELL, in the
~~Section 12~~ of Section 12, Twp 21 S. R. 35 E N 10 W,
Deer County, N. M., in the Eunice pool was completed
June 21, 1953 as an oil well in the Queen formation
at 4090 ft. and produced through perforations at intervals between 3726 ft to 3890 ft
that the hole passed through the SEVEN RIVER GAS ZONE.
(3) That although experiments tend to prove that
mechanical packers and other devices are ordinarily
available for successful dual completions of oil-gas
wells, the Commission is not convinced of the soundness
as a waste prevention process, of such dual completions
as a general practice in New Mexico without specific
controls over each such project.

Public space

IT IS THEREFORE ORDERED

That the Applicant herein Amerada Petroleum Corporation
be, and it hereby is authorized to ~~thoroughly~~ ^{thoroughly} complete
and produce its State W E "A" 1. WELL, ^{SE 1/4 NW 1/4} SE 1/4 NE 1/4 SEC 12 Twp 21 S
R. 35 E, NMPM, in the LUNGE POOL, Lea County, NEW MEXICO
IN SUCH A MANNER THAT GAS FROM THE SEVEN RIVERS zone
be produced through the ANNULAR space between the
CASING AND TUBING AND OIL FROM THE GUNN FORMATION
through the TUBING, by proper perforations and installations of
proper packers or packers.
PROVIDED HOWEVER

New Mexico
OIL CONSERVATION COMMISSION

GOVERNOR EDWIN L. MECHEN
CHAIRMAN
LAND COMMISSIONER E.S. WALKER
MEMBER
STATE GEOLOGIST R.R. SPURRIER
SECRETARY AND DIRECTOR



P. O. BOX 871
SANTA FE, NEW MEXICO

September 7, 1953

Memo to Commission

Case 568 - Application of Amerada for Permission
to dually complete its State WE 'A' No. 1 as an oil-
gas dual.

Recommendation:

It is recommended that the application be approved and that an Order be entered granting permission for Amerada to dually complete its State WE 'A' No. 1 located in the SE/4 NW/4 of Section 12, Township 21 South, Range 35 East in such a manner as to permit the production of oil from the Queen formation and gas from the Seven River formation. In this instance the Oil Pool is the Eunice-Monument Pool. The well is located one location outside the present boundary of the Elmont Gas Pool.

W. B. Macey

**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. 568
Order No. R 362**

**THE MATTER OF THE APPLICATION OF
AMERADA PETROLEUM CORPORATION
FOR APPROVAL OF DUAL COMPLETION
OF ITS STATE WE 'A' NO. 1 WELL, SE/4
NW/4 SECTION 12, TOWNSHIP 21 SOUTH,
RANGE 35 EAST, NMPM, IN SUCH MANNER
AS TO PERMIT PRODUCTION OF OIL FROM
THE QUEEN FORMATION OF THE EUNICE-
MONUMENT OIL POOL AND GAS FROM THE
SEVEN RIVERS FORMATION.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a. m. on August 20, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this ¹⁷ day of September, 1953, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

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

(2) That applicant's State WE 'A' Well No. 1, SE/4 NW/4 Section 12, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico, in the Eunice-Monument Pool, was completed June 21, 1953, as an oil well in the Queen formation, bottomed at 4026 feet and produced through casing perforations at intervals between 3726 - 3890 feet, the well having been drilled through the Seven Rivers gas zone at an approximate depth of 3440-3596.

(3) That although field experience tends to prove that mechanical packers and other devices are ordinarily available for successful dual completions of oil - gas wells, the Commission is not convinced of the soundness of such dual completions as a waste-prevention measure as a general practice in New Mexico without specific controls over each such project.

IT IS THEREFORE ORDERED:

That the applicant herein, Amerada Petroleum Corporation, be, and it hereby is authorized to dually complete and produce its State WE 'A' No. 1 Well, SE/4 NW/4 Section 12, Township 21 South, Range 35 East, NMPM, in the Eunice-Monument Pool, Lea County, New Mexico, in such a manner that gas from the Seven Rivers zone may be produced through the annular space between the casing and the tubing, and oil from the Queen formation through the tubing, by proper perforations and the installation of a proper packer;

Case No. 568
Order No. R-362

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 upon the actual dual completion of such subject well applicant shall submit to the District Office of the Commission in which the subject well is located Form C-103, Form C-104 and Form C-110 outlining the information required on these forms by existing Rules and Regulations.

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 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

E. L. Mechem
Edwin L. Mechem, Chairman

E. S. Walker
E. S. Walker, Member

R. R. Spurrer
R. R. Spurrer, Member and Secretary

S E A L

BEFORE THE
OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CASE 562: In the matter of the application of Amerada Petroleum Corporation for approval of dual completion of its State Well 'A' No. 1 Well, SE/4 NW/4 Section 13, Township 21 South, Range 35 East, NMPM, in such manner as to permit production of oil from the Queen formation of the Banice-Monument Oil Pool and gas from the Seven Rivers formation.

TRANSCRIPT OF HEARING

August 20, 1953

BEFORE: Honorable Ed. L. Mechem, Governor
Honorable E. S. Walker, Land Commissioner
Honorable R. R. Sparrier, Director, OCC

STATE OF NEW MEXICO)

COUNTY OF LOS ALAMOS)

ss.

I hereby certify that the within transcript of proceedings before the Oil Conservation Commission is a true record of the same to the best of my knowledge, skill and ability.

TRANSCRIBED at Los Alamos, New Mexico this 2nd day of September, 1953.


Audrey M. Henrichsen
Notary Public

My commission expires September 22, 1955.

NEW MEXICO OIL CONSERVATION COMMISSION

Regular Hearing

9:00 a.m., August 20, 1953

MR. ABBOTT: Before we get into this case, I would like to introduce the Exhibits 1 through 3 as part of the evidence.

MR. SPURRIER: Without objection, it will be admitted.

MR. ABBOTT: My name is W. G. Abbott and I'm a petroleum engineer for the Amerada Petroleum Corporation, Monument, New Mexico.

This well WH 'A' is located in the SE/4 NW/4 of Section 12, Township 21 South, Range 35 East and was completed June 21st, 1953 at a total depth of 4,026 feet as an oil well in the Queen zone.

This well has a 7" casing at 4,026 feet. It is producing through the perforations from 3,725 to 3,800 in the Queen formation.

We propose to dual complete this well and perforate the 7" casing at 3,440 to 3,462, 3,484, 3,500, 3,540 to 3,558, 3,570 to 3,596 opposite the Seven Rivers formation. We will set up production packers below these perforations to separate the two zones. It will produce Queen oil through the tubing and Seven Rivers gas through the annular.

I would like to present the record of the well, also a plat showing the well location and off-set acreage and a diagram of the proposed pool.

The reason we can't have the _____ where this well is located is because this well is located one location west of the Galipe Gas Pool.

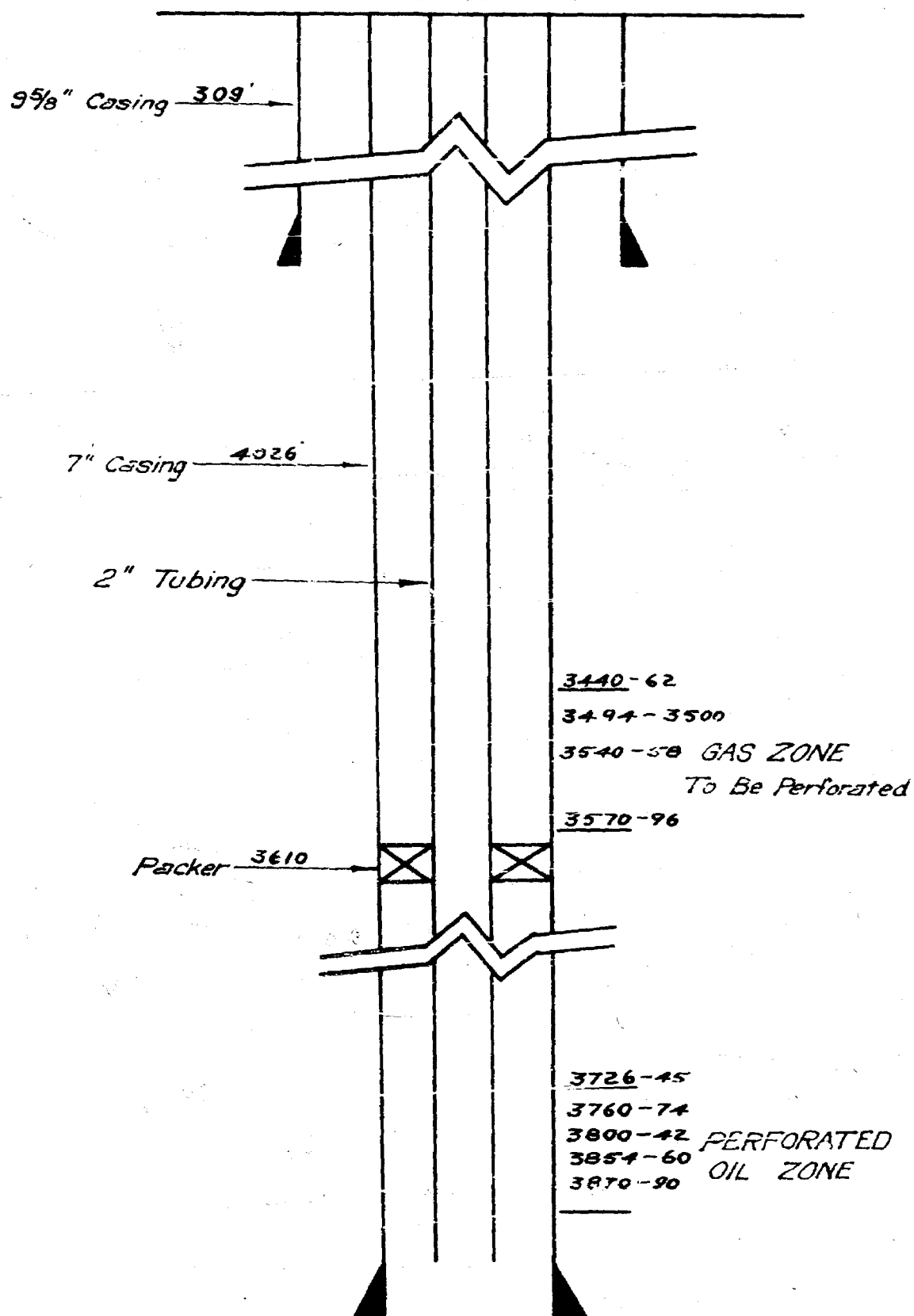
MR. SPURRER: Are there any questions of the witness?
If there are no questions, the witness may be excused.

Are there any further comments in the case? If not, we will take it under advisement and move on to Case 569.

SCHEMATIC DIAGRAM OF PROPOSED DUAL COMPLETION

AMERADA PETROLEUM CORPORATION

State WEA No 1



OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 3, 1953

Mr. J. O. Hincinwood
Amesbury Petroleum Corporation
Box 312
MIDLAND, TEXAS

Dear Sir:

Your application for permission to fully complete your company's State NE 'A' No. 1 Well, SE/4 NW/4 12-21S-35E, NE/4, has been set up as Case 968 and scheduled for the regular August 20, 1953, hearing of the Commission.

Proper advertisement has been made.

Very truly yours,

W. B. Macey
Chief Engineer

WBM:ar

C
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P
Y

Case 568

June 29, 1953

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

Re: Application to Dually Complete
Amerada State WE "A" 1, Eunice
Pool, Lea County, New Mexico

Gentlemen:

By this letter of application Amerada Petroleum Corporation wishes to state the following:

(a) That Amerada Petroleum Corporation State WE "A" # 1, located in the SE/4 of NW/4 of Section 12, T-21-S, R-35-E, was completed June 21, 1953, at a total depth of 4026 feet. The attached Exhibit A shows the location of this well on the Amerada State WE "A" Lease together with the location of all offset wells.

(b) That the subject well has 7 inch casing set at 4026 feet and cemented with 400 sacks of cement. That the well is an oil well producing from casing perforations located at the intervals of 3726 to 3745 feet, 3760 to 3774 feet, 3800 to 3842 feet, 3854 to 3860 feet and 3870 to 3890 feet in the Queens formation, Eunice Pool.

(c) That the applicant proposes to dually complete the well in the following manner:

(1) Perforate the 7 inch casing within the approximate interval of 3440 to 3462 feet, 3494 to 3500 feet, 3540 to 3558 feet, and 3570 to 3576 feet opposite the Seven Rivers formation.

(2) Set a production type packer below these perforations at approximately 3610 feet to separate the two pay zones.

(3) Produce Queens oil through the tubing and Seven Rivers gas through the tubing-casing annulus.

(d) That the granting of this application for permission to produce the well as a dual completion with gas from the Seven Rivers formation and oil from the Queens formation is in the interest of conservation and the protection of correlative rights.

(e) That the applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the tax pay zones.

(f) That the ~~manner~~ and method of the proposed dual completion is mechanically feasible and practical.

Therefore, Amerada Petroleum Corporation requests that the 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 dualy complete the subject well as proposed in this application.

Yours truly,

AMERADA PETROLEUM CORPORATION

By: J. C. Blackwood
J. C. Blackwood

JCB:mg

