

Case No.

340

Application, Transcript,
Small Exhibits, Etc.

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

Transcript of Hearing

CASE NO. 340

January 22, 1952

Herrickson's Reporting Service
2224 - 47th Street
Los Alamos, New Mexico

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

January 22, 1952

Case 340: In the matter of the application of the Stanolind Oil and Gas Company for an order permitting dual completion of gas from the Yates formation and oil from Queen of its O. Meyers B #11 well, located 660 feet from the north line and 1980 feet from the east line of Section 6, Township 24 South, Range 37 East, Lea County, New Mexico.

LEWIS H. BOND,

after first having been duly sworn, testified as follows:

MR. BOND: I would like to submit as exhibit No. 1, a plat, showing the location of the well which is subject to this application, our Meyers B #11 which we have located and circled in red. As exhibit No. 2, I would like to submit a diagrammatic sketch of the method of dual completion which will be employed in this well.

The well has recently been drilled to a total depth of thirty seven hundred and twelve (3,712) feet and seven inch casing has been set at thirty-four sixty one (3,461). It is now our intention to set a Baker Production Packer in the well between the Queen and the Yates Seven Rivers Formations. The Yates formation and the ^{Queen} south of the Seven Rivers Formation will be perforated and will

Annular ?

produce gas through the "attics". The Queen formation will produce oil through the tube.

As Stanolind's exhibit No. 3, I would like to submit a copy of the radio/^{active}log on this well. This log, as indicated, shows the formation and where the perforation will be made and also the drill test information is noted thereon. The well will be completed in the manner that I have described so that there will be no mingling of the oil and gas production.

MR. GRAHAM: It's an oil-gas?

MR. BOND: It's an oil-gas completion - oil from the Queen and gas from the Yates.

MR. GRAHAM: Are you familiar with the use and type of order on this ^{Practice log type} ~~formation~~ issued by the Commission?

MR. BOND: Yes, sir.

MR. GRAHAM: Are you prepared to comply?

MR. BOND: Yes, we are prepared to comply with the tests that the Commission has outlined.

MR. GRAHAM: Are there any dual completions near this project?

MR. BOND: There are no other dual completions marked on the plat but, however, there have been numerous dual completions in the pool. There are a number of gas wells being completed in this immediate area.

MR. GRAHAM: Naturally, you'll produce the oil through the tubing?

MR. BOND: Yes, sir.

MR. GRAHAM: What type of devices and packers, etc?

MR. BOND: We will use a Baker Production Type Packer and an Otis side-door Choke.

MR. SPURRIER: Are there any farther questions of this witness? Did you offer these - - -

MR. BOND: Yes, sir.

MR. SPURRIER: Without objection, they will be received. We will take this case, No. 340, under advisement.

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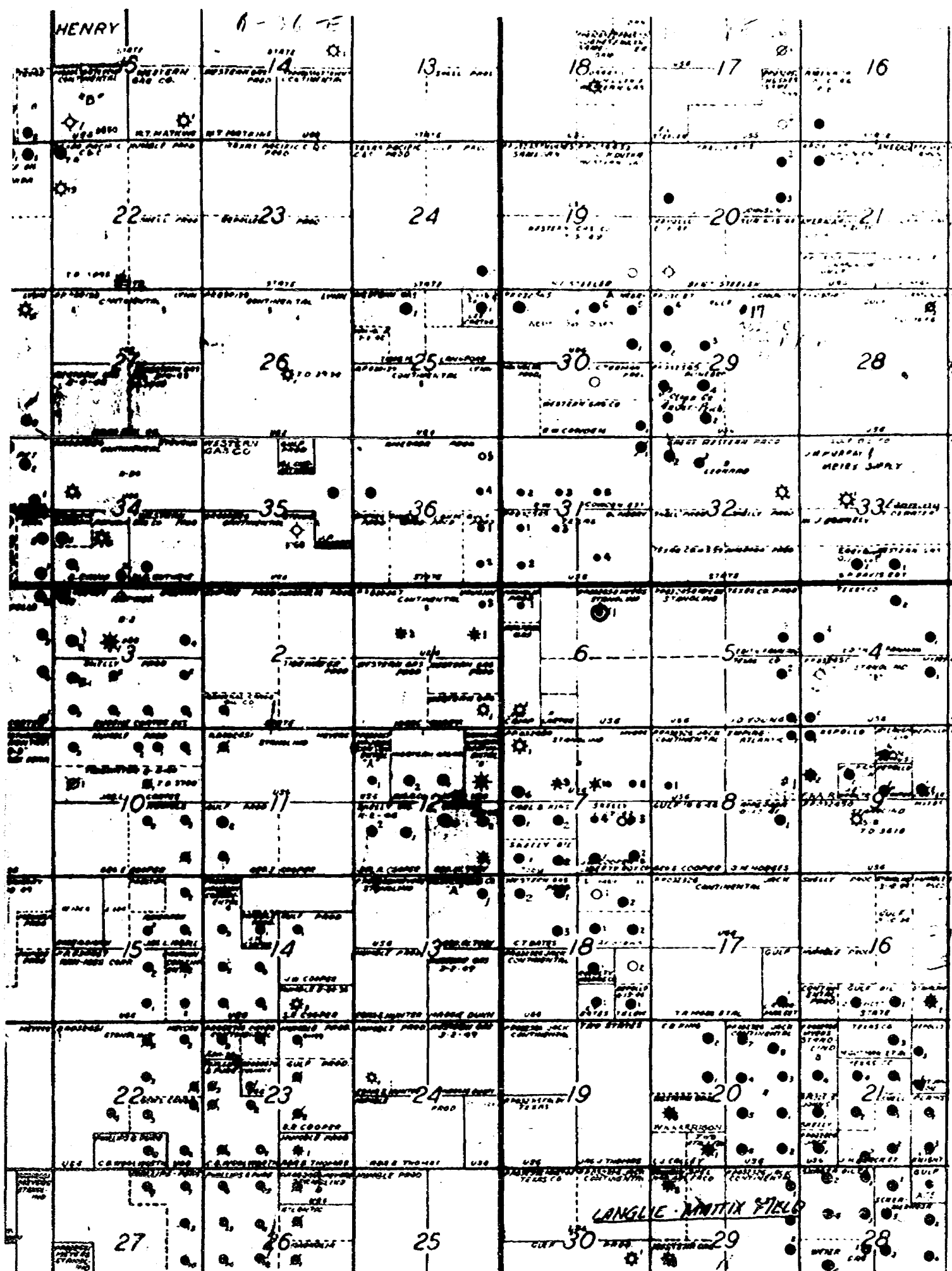
STATE OF NEW MEXICO)
COUNTY OF LOS ALAMOS) ss

I hereby certify that the foregoing and attached transcript of hearing in Case 340 before the Oil Conservation Commission on January 22, 1952, at Santa Fe is a true record of the same to the best of my knowledge, skill and ability.

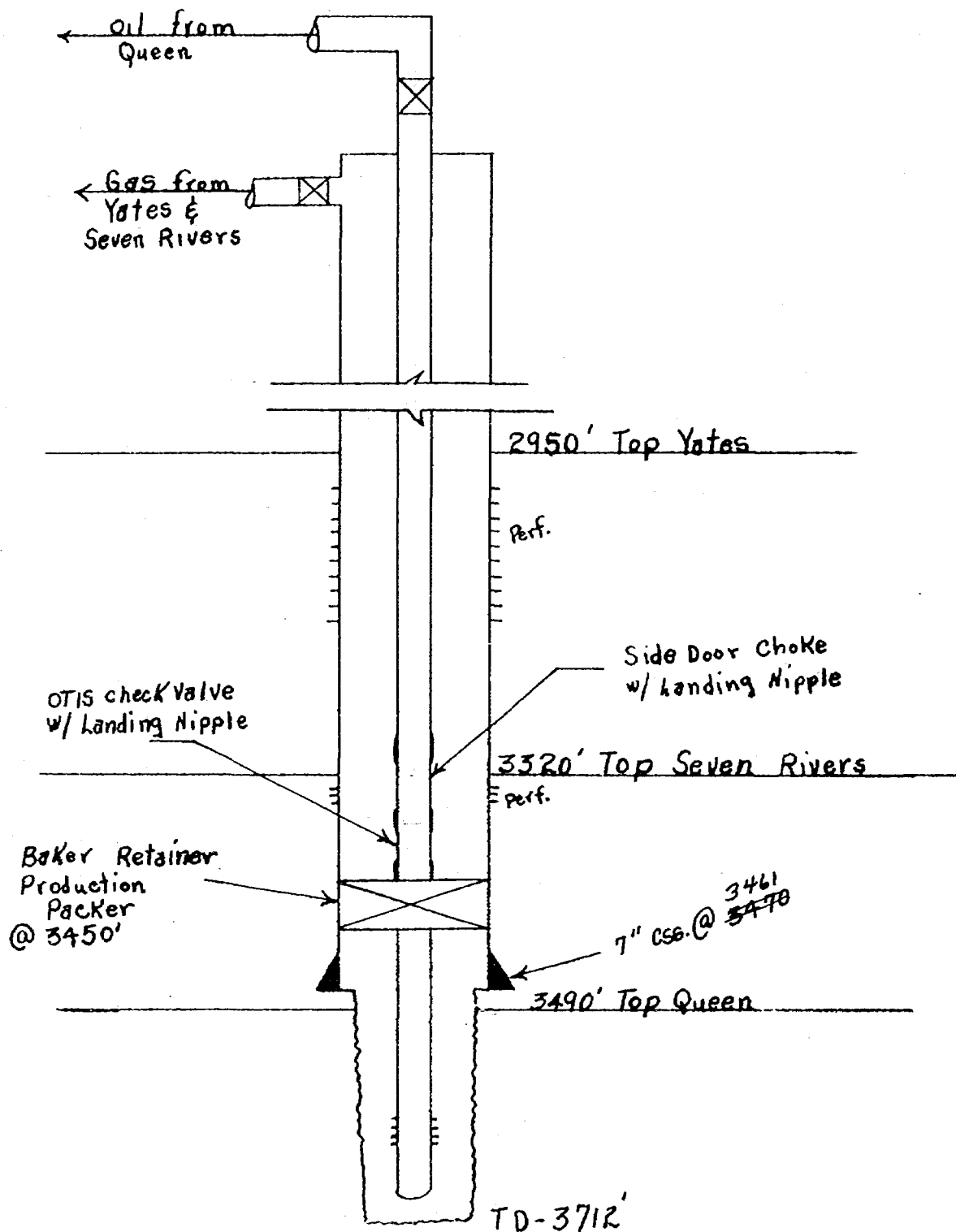
DATED at Los Alamos, this 24th day of January, 1952.


Audrey M. Henrickson

My commission expires September 20, 1955.



Ex^{pt} 1 Gr. 240



STANOLIND OIL & GAS COMPANY

Diagrammatic sketch of Dual Completion
C. Myers "B" No. 11 ~ Lea County, New Mex.

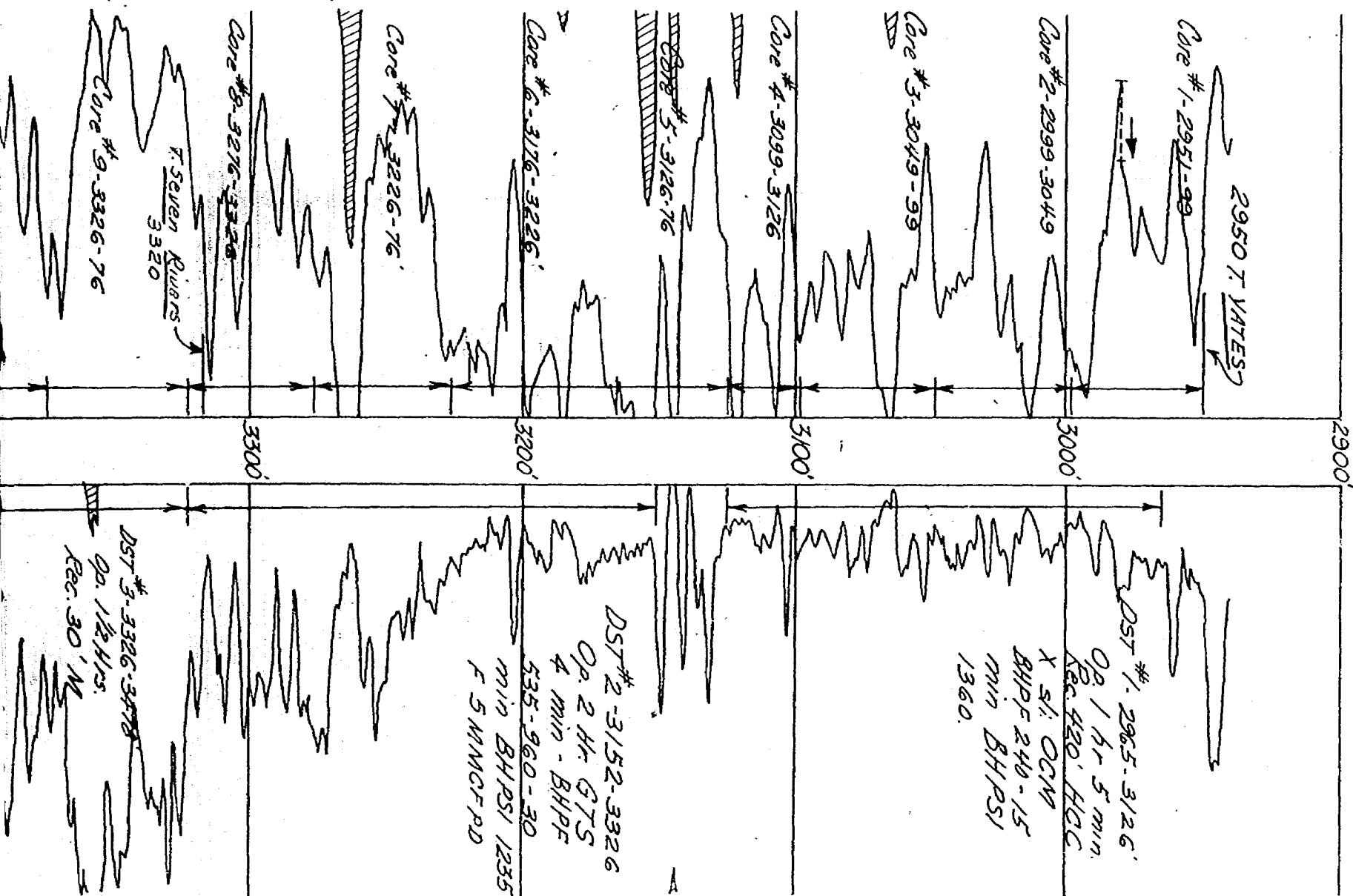
SCALE: None

1-10-52 KDMC

DRG.
No.

Ex^{to} Case 340

STANOLIND OIL & GAS CO. *Cal.*
 MYERS "B" NO. 11
 LANGLIE MARTIX
 FIELD
 340



Core #6-3116-3226'

4 min - BHPF
535-960-30
min BHPSI 1235
F 5 MMCFPD

Core #7-3226-76'

Core #8-3276-3328

Core #9-3326-76

7.5 even Kilns
3320

DST #3-3326-3478
Op. 1 1/2 hrs.
Rec. 30' M

Core #10-3396-3428

7" CSA 3461
W/350

Core #12-3479-3529

DST #4-3480-3600

Op. 2 hrs.
Rec. 180'

Core #13-3529-3579

GCN BHPF
115-225-15
Min. BHPSI
410

Core #14-3579-3650

0 3"

Core #15-3650-502

3700'

R.D. 3710'
T.D. 3712

Q13. 3210

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. 340
ORDER NO. R-130

IN THE MATTER OF THE APPLICATION OF
STANOLIND OIL AND GAS COMPANY FOR
AN ORDER PERMITTING DUAL COMPLETION
OF GAS FROM THE YATES FORMATION AND
OIL FROM THE QUEEN IN ITS C. MEYERS 'B'
NO. 11 WELL, LOCATED 660 FEET FROM THE
NORTH LINE AND 1980 FEET FROM THE EAST
LINE OF SECTION 6, TOWNSHIP 24 SOUTH,
RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10 o'clock a. m. on January 22, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 6th., day of March 1952, the Commission, a quorum being present, having considered the testimony adduced and the records in the matter as presented at the hearing,

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

IT IS THEREFORE ORDERED, That effective as of January 22, 1952, the applicant herein, Stanolind Oil and Gas Company, be and it hereby is authorized to dually complete and produce its well located 660 feet from the north line and 1980 feet from the east line of section 6, township 24, South, Range 37 East, NMPM, Lea County, New Mexico (in the Langlie-Mattix pool) in such a manner that gas from the Yates-Seven Rivers formation may be produced through the annular space between the casing and tubing, and oil from the Queen formation through the tubing by proper perforations and installations of 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 prior to the time said well is dually / multiply completed the applicant shall furnish the Commission, for its approval, a drawing showing the proposed method and manner of completion, together with an electrical log showing the location and extent of each separate stratum yielding production, and the vertical footage location of the proposed perforations, 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 assignees 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
EDWIN L. MECHEM, Chairman

Guy Shepard
GUY SHEPARD, Member

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

SEAL

R.P.

Before the Oil Conservation Commission
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 340
Order No
(Dual Completion)

The matter of the application of
Standard Oil & Gas Company for
an Order permitting dual completion
of gas from the Yates formation
and oil from the Queen in its
C. Meyers B # 11, well located
660' from the north line and 1980' from
the East line of Section 6, Twp. 24 S.
Range 37 East, Lea County, New Mexico.

Order of the Commission

By the Commission:

This Cause came on for hearing at
10:00 o'clock a.m. on January 22, 1952 at Santa Fe,
New Mexico, before the Oil Conservation Commission of
New Mexico, hereinafter referred to as the "Commission".

Now, On this 8th day of February 1952, the
Commission, ^{after having been sworn,} having considered the testimony adduced
and the records in the matter as presented at
the hearing,

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

~~(3.)~~ It is therefore ordered, that effective as of January 22, 1952 the Applicant herein, Stanolind Oil & Gas Company, Inc., and it is hereby is authorized to dual complete and produce its well located 660' from the North line and 1980' from the East line of section 6, Twp 24 S. R. 37 E, 2 m. P.M., Lea County, N.M. (in ~~large~~ ^{large} ~~water~~ pool.) in such a manner that gas from the ~~from the~~ ^{from the} ~~system~~ ^{system} ~~Seven Rivers formation (2450-3320')~~ ^{may be produced through} ~~the Queen (2490-3800')~~ The annular space between the casing and tubing, and oil from the Queen formation (2490-3800+) through the tubing by proper perforations and installations of proper packers 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~~ 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 a representative 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 any such test, and,

Provided Further that prior to the time said well is dually/multiply ~~finished~~ completed the applicant shall furnish the Commission, for its approval, a drawing showing the proposed method and manner of completion, together with an electrical log showing the location and extent of each separate stratum yielding production, and the vertical ~~the~~ footage location of the proposed perforations, and,

Provided further, ~~provided~~ that upon the actual
completion of such subject well, the
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 ~~the~~ and/or ~~production~~ protection of
correlative rights; ~~and~~ upon failure
of Applicant to comply with any re-
quirements 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 any regular single
zone production in the interests of conservation.

Witness my hand on the day and year hereabove
designated -

State of New Mexico
Oil Conservation Com

(Sig) - Pres.

Seal

Sig. Sec. Com

Sig. Asst. Director -

Case 340

J. O. SETH
A. K. MONTGOMERY
OLIVER SETH
WM. FEDERICI
JUSTIN T. REID

SETH AND MONTGOMERY
ATTORNEYS AND COUNSELORS AT LAW
III SAN FRANCISCO ST.
SANTA FE, NEW MEXICO

December 18, 1951

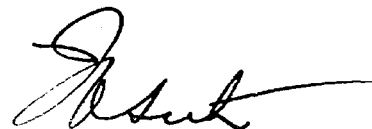
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Gentlemen:

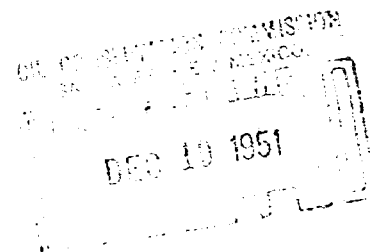
Enclosed please find in triplicate Petition
by Stanolind Oil and Gas Company to dually
complete the C. Meyers "B" No. 11 Well in the
Langlie Mattix Field, Section 6, Township 24
South, Range 37 East, Lea County, New Mexico.

Please set this down for the January statewide
hearing.

Very truly yours,



JOS:f
Encs.



BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF)
STANOLIND OIL AND GAS COMPANY TO)
DUALY COMPLETE THE C. MEYERS "B")
NO. 11 WELL IN THE LANGLIE MATTIX)
FIELD, SECTION 6, TOWNSHIP 24 SOUTH,)
RANGE 37 EAST, LEA COUNTY, NEW MEXICO)

CASE NO. 340

P E T I T I O N

Comes now Stanolind Oil and Gas Company and states that it is now drilling its C. Meyers "B" No. 11 well, located 660 feet from the North line and 1980 feet from the East line of Section 6, Township 24 South, Range 37 East, in the Langlie Mattix Field, Lea County, New Mexico, and that such well is now drilling below 1200 feet, and is expected to encounter gas in the Yates Zone at approximately 3000 feet and oil in the Queens Zone at approximately 3800 feet.

The applicant further states that gas from the Yates Zone may be produced through the annulus and the oil from the Queens Zone through the tubing without waste and without injury to any of the oil and gas formations which may be discovered in the well, and the production by such dual completion will result in a great saving of cost of drilling and particularly in the use of steel.

Applicant further states that it will install such efficient packer and other equipment that may be required by the Commission.

WHEREFORE, applicant prays that this matter be set down for hearing on due notice, and that at such hearing it be authorized

to duly complete said well in accordance with the foregoing
petition and the rules and regulations of the Commission.

STANOLIND OIL AND GAS COMPANY

BY *W. L. Lutz*

Its Attorney

STATE OF NEW MEXICO)

ss.

COUNTY OF SANTA FE)

L. H. Bond, being first duly sworn deposes and says that he
is a petroleum engineer for the Stanolind Oil and Gas Company,
the foregoing petitioner; that he has read said petition, knows
the contents thereof, and the matters therein stated are true.

L. H. Bond

SUBSCRIBED AND SWORN TO before me this 18th day of December,
1951.

Freda J. Field
Notary Public

My Commission Expires:

Dec. 5, 1955

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF)
STANOLIND OIL AND GAS COMPANY TO DUALY)
COMPLETE THE C. MEYERS "B" NO. 11 WELL)
IN THE LANGLEIE MATTIX FIELD, SECTION 6,)
TOWNSHIP 24, SOUTH, RANGE 37 EAST, LEA)
COUNTY, NEW MEXICO)

CASE NO. 340

P E T I T I O N

Comes now Stanolind Oil and Gas Company and states that it is now drilling its C. Meyers "B" No. 11 well, located 660 feet from the North line and 1980 feet from the East line of Section 6, Township 24 South, Range 37 East, in the Langlie-Mattix Field, Lea County, New Mexico, and that such well is now drilling below 1200 feet, and is expected to encounter gas in the Yates Zone at approximately 3000 feet and oil in the Queens Zone at approximately 3800 feet.

The applicant further states that gas from the Yates Zone may be produced through the annulus and the oil from the Queens Zone through the tubing without waste and without injury to any of the oil and gas formations which may be discovered in the well, and the production by such dual completion will result in a great saving of cost of drilling and particularly in the use of steel.

Applicant further states that it will install such efficient packer and other equipment that may be required by the Commission.

WHEREFORE, applicant prays that this matter be set down for hearing on due notice, and that at such hearing it be authorized to dually complete said well in accordance with the foregoing petition and the rules and regulations of the Commission.

STANOLIND OIL AND GAS COMPANY

(SEAL)

BY J. O. SETH
Its Attorney

STATE OF NEW MEXICO) ss.
COUNTY OF SANTA FE)

L. H. Bond, being first duly sworn deposes and says that he is a petroleum engineer for the Stanolind Oil and Gas Company, the foregoing petitioner; that he has read said petition, knows the contents thereof, and the matters therein stated are true.

/s/ L. H. Bond

SUBSCRIBED AND SWORN TO before me this 18th day of December, 1951.

/s/ Freda Fifield
Notary Public

My Commission Expires:

December 5, 1955

NOTE: This Case is to be heard January 22, 1952.