

CASE 2102: Application of AMERADA
to commingle production from several
separate pools and for an automatic
custody transfer system.

Case No.

2102

Application, Transcript,
Small Exhibits, Etc.

DRAFT

RSM/esr
October 20

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. 2102
Order No. R-1808

APPLICATION OF AMERADA PETROLEUM
CORPORATION FOR PERMISSION TO
COMMINGLE THE PRODUCTION FROM
SEVERAL SEPARATE POOLS AND FOR
AN AUTOMATIC CUSTODY TRANSFER
SYSTEM, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
October 19, 1960, at Santa Fe, New Mexico, before Daniel S. Nutter,
Examiner duly appointed by the Oil Conservation Commission of New
Mexico, hereinafter referred to as the "Commission," in accordance
with Rule 1214 of the Commission Rules and Regulations.

NOW, on this _____ day of October, 1960, the Commission,
a quorum being present, having considered the application, the
evidence adduced, and the recommendations of the Examiner, Daniel S.
Nutter, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Amerada Petroleum Corporation, is
the owner and operator of the Ida Wimberley Lease comprising
~~insofar as is pertinent to this application,~~ the W/2 SW/4 of
Section 24, the NW/4 and the SW/4 NE/4 of Section 25, and the
NE/4 NE/4 of Section 26, all in Township 25 South, Range 37
East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to commingle the Blinebry,
Drinkard, and Fusselman production ^{from all wells} on the above-described lease,
after separately metering the production from each of said pools.

(4) That the applicant further proposes to install an
automatic custody transfer system to handle said commingled
production.

(5) That the ownership of the Ida Wimberley Lease is common at all depths.

(6) That the previous use of automatic custody transfer equipment, similar to that proposed by the applicant, has shown that such equipment is a reliable and economic means of transferring the custody of oil, and that the use of such equipment should be permitted, provided adequate safety features are incorporated therein.

(7) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Amerada Petroleum Corporation, be and the same is hereby authorized to commingle the Blinebry, Drinkard, and Fusselman production from all wells on its Ida Wimberley Lease comprising the W/2 SW/4 of Section 24, the NW/4 and the SW/4 NE/4 of Section 25, and the NE/4 NE/4 of Section 26, all in Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, after separately metering the production from each of said pools.

(2) That the applicant be and the same is hereby authorized to install an automatic custody transfer system to handle the said commingled production.

PROVIDED HOWEVER, That the applicant shall install adequate facilities to permit the testing of all wells located on the above-described Ida Wimberley Lease at least once each month to determine the individual production from each well.

PROVIDED FURTHER, That in order to prevent the overflow and waste of oil in the event the automatic custody transfer system fails to transfer oil to the pipeline, the applicant shall add additional storage facilities from time to time, as it becomes necessary, to store the production which will accrue during the hours that said lease is unattended, or in the alternative, shall so equip the existing facilities as to automatically shut-in the lease production at the wellhead in the event the storage facilities become full.

IT IS FURTHER ORDERED:

That all meters used in the above-described automatic custody transfer system shall be operated and maintained in such a manner as to ensure an accurate measurement of the liquid hydrocarbon production at all times.

That meters shall be checked for accuracy at least once each month until further direction by the Secretary-Director.

That meters shall be calibrated against a master meter or against a test tank of measured volume and the results of such calibration filed with the Commission on the Commission form entitled "Meter Test Report."

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

September 16, 1960

MAIN OFFICE OGC
1960 SEP 21 AM 10:44

IN THE MATTER OF THE APPLICATION OF
AMERADA PETROLEUM CORPORATION FOR AN
ORDER PERMITTING THE COMMINGLING OF
PRODUCTION FROM THE BLINEBRY, DRINKARD
AND FUSSELMAN ZONES AND THE INSTAL-
ATION OF AN AUTOMATIC CUSTODY TRANS-
FER SYSTEM ON ITS IDA WIMBERLEY LEASE
LOCATED IN SECTIONS 24, 25 & 26 -
T25S-R37E, JUSTIS FIELD, LEA COUNTY,
NEW MEXICO.

CASE NO. 9102

APPLICATION

Applicant, Amerada Petroleum Corporation states that:

1. Applicant owns and operates the Ida Wimberley Lease described as the W/2 SW/4 Sec. 24, NW/4 & SW/4 NE/4 Sec. 25 and NE/4 NE/4 Sec. 26 all in T25S-R37E, Lea County, New Mexico.
2. Applicant proposes to commingle the liquid hydrocarbons from the Justis Blinebry, Justis Drinkard and Justis Fusselman Zones on subject lease after separately metering the production from each zone.
3. Applicant proposes to install an automatic custody transfer system to handle the aforesaid commingled production.
4. A plat showing leases, well locations and producing zones in individual wells is attached hereto.
5. A diagrammatic sketch of the proposed battery showing commingled production and automatic transfer equipment is attached hereto.

Applicant requests that this matter be set for hearing, that notice of the hearing be given as required by law and that, after notice and hearing, the Commission enter the order authorizing the commingling and automation as proposed.

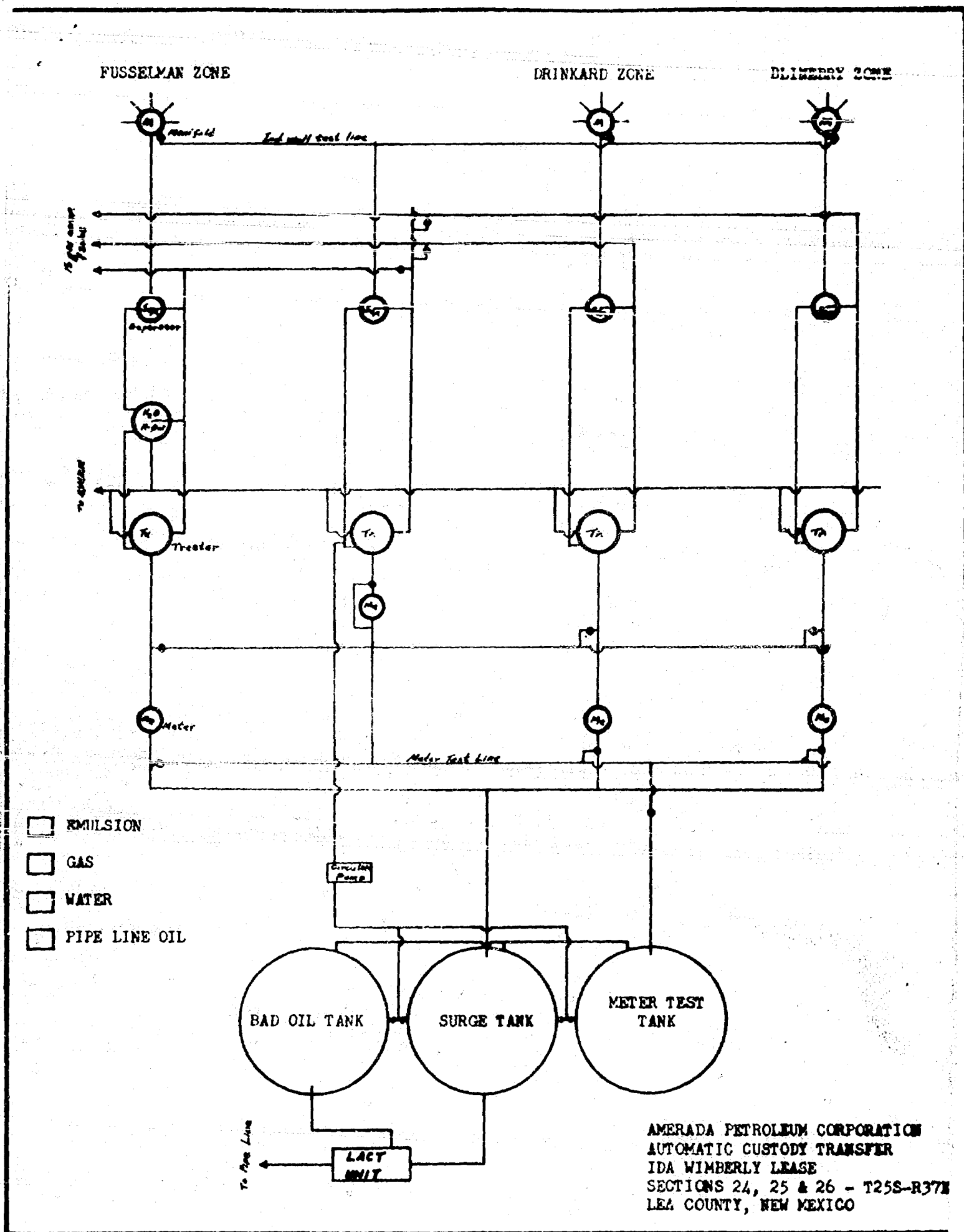
Respectfully submitted,

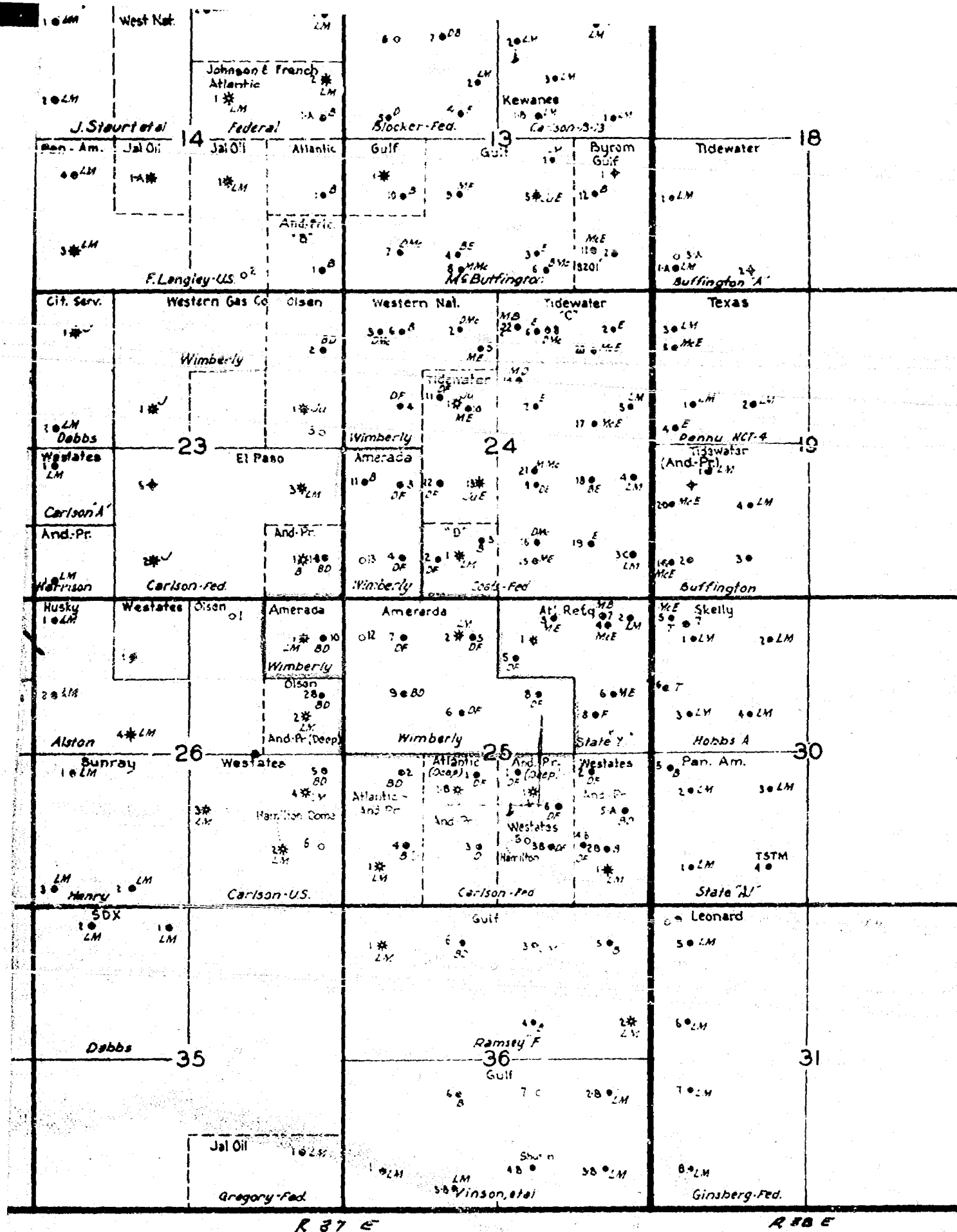
AMERADA PETROLEUM CORPORATION

By Jason W. Kellahin
KELLAHIN & FOX
P. O. Box 1713
Santa Fe, New Mexico

ATTORNEYS FOR APPLICANT

*Check
mailed
10-5-60*





PLAT OF A.P.C. WIMBERLY LEASE
& SURROUNDING LEASES WITHIN
A 2 MILE RADIUS
LEA COUNTY, NEW MEXICO

DOCKET: EXAMINER HEARING, WEDNESDAY, OCTOBER 19, 1960

Oil Conservation Commission - 9 a.m., Mabry Hall, State Capitol, Santa Fe, NM

The following cases will be heard before Daniel S. Nutter, Examiner, or Oliver E. Payne, Attorney, as Alternate Examiner:

- CASE 2099: Application of Continental Oil Company for an automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the installation of an automatic custody transfer system to handle the Eunice Pool production from all wells presently completed or hereafter drilled on the Meyer B-4 Lease consisting of the E/2 and the E/2 W/2 of Section 4, Township 21 South, Range 36 East, Lea County, New Mexico.
- CASE 2100: Application of Continental Oil Company for an automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the installation of an automatic custody transfer system to handle the Maljamar Paddock Pool production from all wells presently completed or hereafter drilled on the William Mitchell "A" Lease consisting of the N/2 of Sections 19 and 20, Township 17 South, Range 32 East, Lea County, New Mexico.
- CASE 2101: Application of Cities Service Oil Company for an order force-pooling all mineral interests in a standard 80-acre oil production unit. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests within the vertical limits of the Southwest Gladiola-Devonian Pool in a standard 80-acre unit consisting of the S/2 SW/4 of Section 27, Township 12 South, Range 37 East, Lea County, New Mexico. The non-consenting royalty owners include B. F. Turner and wife, George C. Koch and wife, Hugh O. Sears and wife, Harry J. Kaendl and wife, and Clark and Judge Properties, a partnership.
- CASE 2102: Application of Amerada Petroleum Corporation for permission to commingle the production from several separate pools and for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Blinebry, Drinkard, and Fusselman production from all wells on its Ida Wimberley lease comprising portions of Sections 24, 25 and 26, Township 25 South, Range 37 East, Lea County, New Mexico. Applicant further seeks permission to install an automatic custody transfer system to handle said commingled production.

CASE 2103: Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Vinson-Ramsay "B" Well No. 6, located in Unit K, Section 36, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Justis-Blinebry Pool and the production of oil from an undesignated Tubb Pool through parallel strings of 1½-inch tubing.

CASE 2104: Application of Shell Oil Company for permission to commingle the production from separate pools. Applicant, in the above-styled cause, seeks permission to commingle the Drinkard Pool and Tubb Pool production from all wells located in Section 4, Township 22 South, Range 37 East, Lea County, New Mexico, after separately metering the production from the Tubb Pool only.

CASE 2105: Application of Shell Oil Company for permission to commingle the production from two separate pools from several separate leases and for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Eunice and Eumont Pool production from all wells on four leases in Section 1, Township 21 South, Range 35 East, and Section 6, Township 21 South, Range 36 East, Lea County, New Mexico. Applicant further seeks authorization to install an automatic custody transfer system to handle said commingled production.

CASE 2106: Application of Texaco Inc. for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of the State "BH" Well No. 3, located in Unit E, Section 11, Township 12 South, Range 32 East, Lea County, New Mexico, in such a manner as to permit the production of oil from an undesignated Wolfcamp Pool and the production of oil from an undesignated Pennsylvanian Pool through parallel strings of tubing.

CASE 2107: Application of Pan American Petroleum Corporation for permission to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks permission to commingle the Denton (Devonian) and Denton (Wolfcamp) Pool production from two wells on the W. H. Fort "A" lease comprising the E/2 of Section 25, Township 14 South, Range 37 East, Lea County, New Mexico, without separately metering the production from each pool.

CASE 2108:

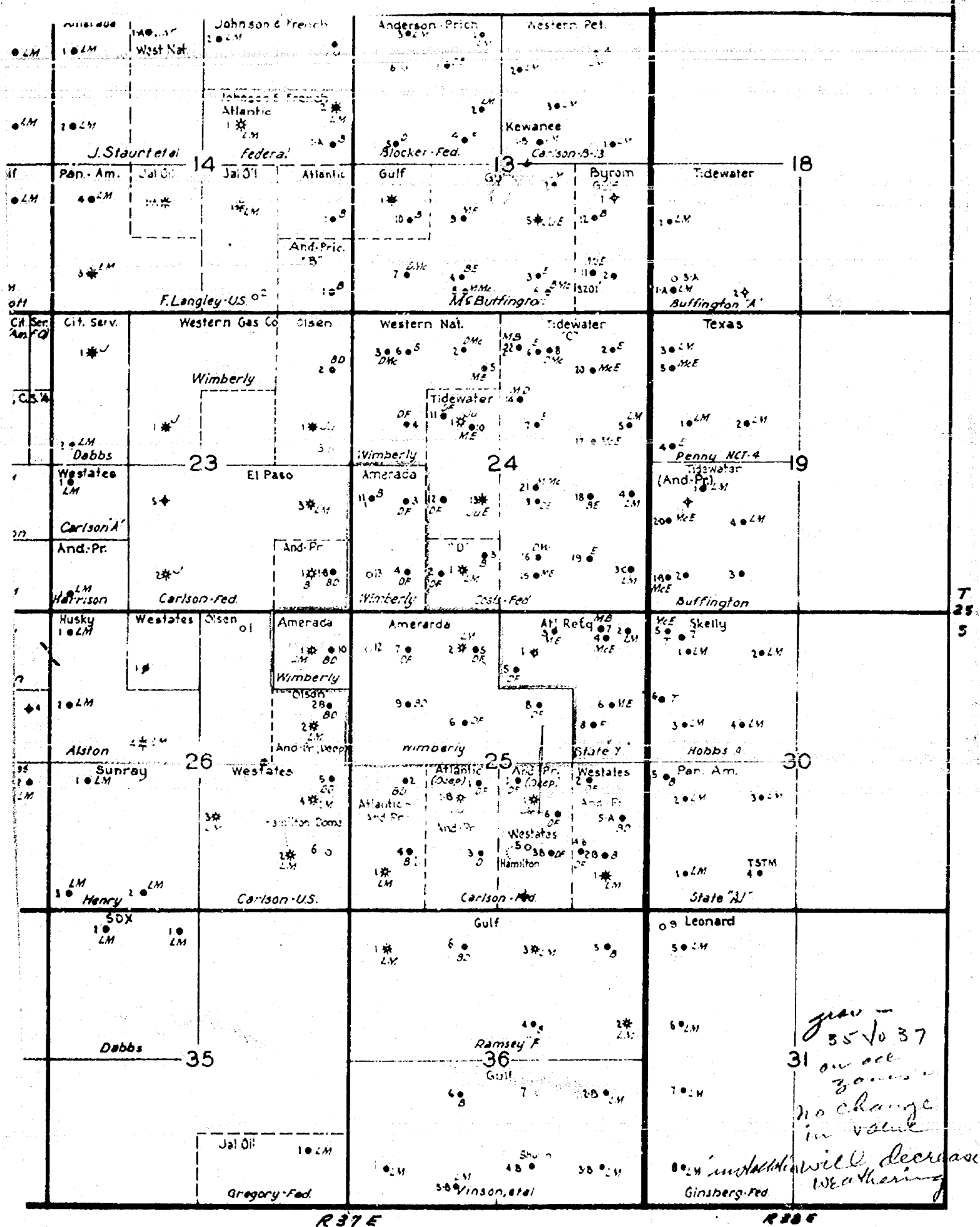
Application of Chambers and Kennedy for an unorthodox oil well location. Applicant, in the above-styled cause, seeks approval of an unorthodox location for its Sinclair State Well No. 1 to be located in an undesignated Abo pool at a point 990 feet from the South line and 200 feet from the West line of Section 35, Township 17 South, Range 26 East, Eddy County, New Mexico.

CASE 2109:

Application of Jack S. Reaves for the establishment of a 52-acre non-standard oil proration unit. Applicant, in the above-styled cause, seeks an order establishing a 52-acre non-standard Delaware oil proration unit consisting of lots 3 and 4 of Section 36, Township 26 South, Range 28 East, Eddy County, New Mexico.

CASE 2110:

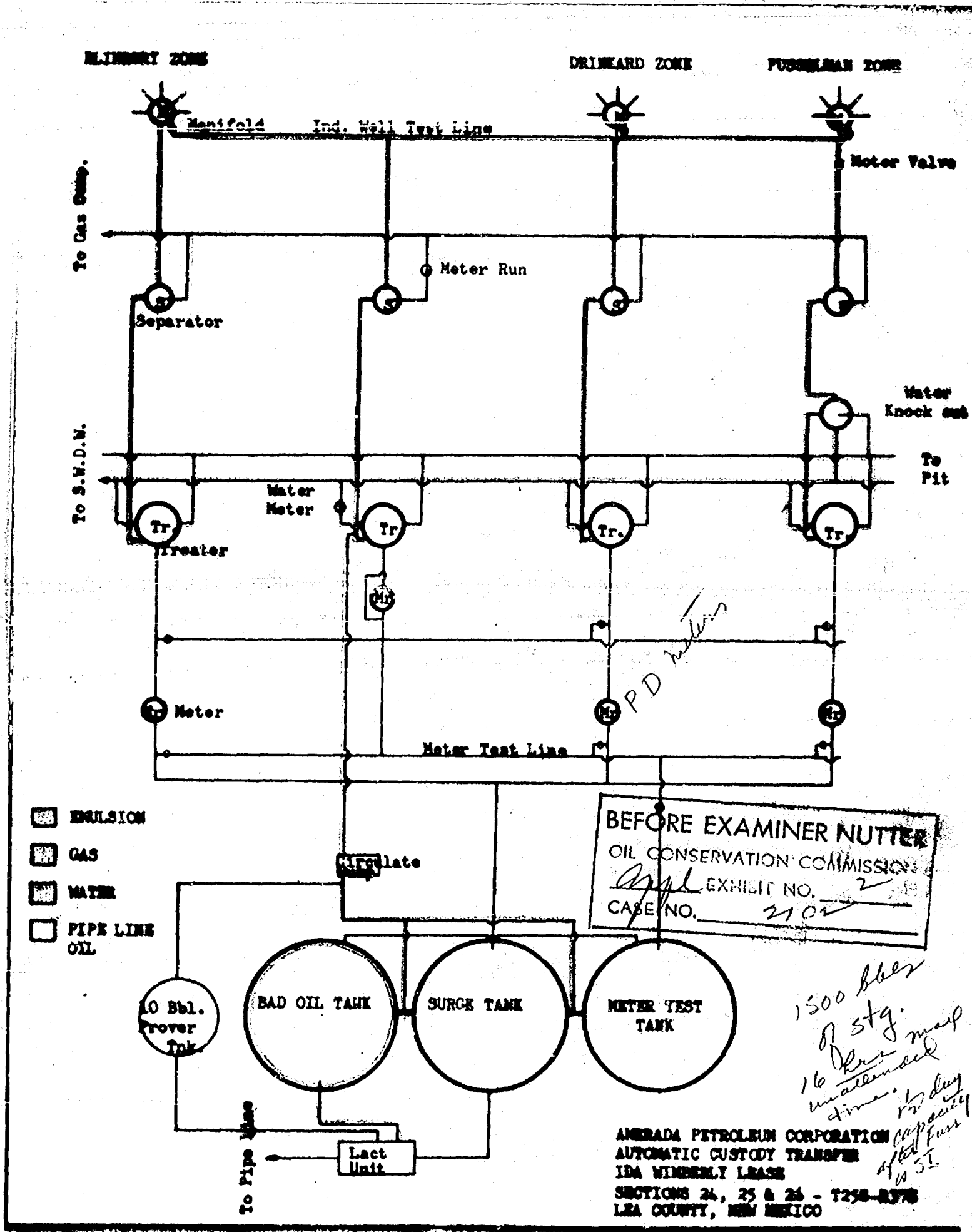
Application of Chambers and Kennedy for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Monterey State Well No. 3, located 660 feet from the North line and 1650 feet from the West line of Section 32, Township 18 South, Range 31 East, Eddy County, New Mexico, in such a manner as to permit the production of oil from an undesignated Yates oil pool and the production of oil from the North Shugart-Queen Grayburg Pool through parallel strings of 2-inch tubing.



PLAT OF A.P.C. WIMBERLY LEASE
& SURROUNDING LEASES WITHIN
A 2 MILE RADIUS

LEA COUNTY, NEW MEXICO

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
CASE NO. 2107



GOVERNOR
JOHN BURROUGHS
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
MURRAY E. MORGAN
MEMBER



P.O. BOX 871
SANTA FE

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY DIRECTOR

October 24, 1960

Mr. Jason Kellahin
Kellahin & Fox
Box 1718
Santa Fe, New Mexico

Re: Case No. 2102
Order No. R-1808
Applicant:

~~AMERICAN PETROLEUM CORPORATION~~

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC _____
Artesia OCC _____
Aztec OCC _____

Other _____

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. 2102
Order No. R-1808

APPLICATION OF AMERADA PETROLEUM
CORPORATION FOR PERMISSION TO
COMMINGLE THE PRODUCTION FROM
SEVERAL SEPARATE POOLS AND FOR
AN AUTOMATIC CUSTODY TRANSFER
SYSTEM, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 19, 1960, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 24th day of October, 1960, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

AND DO:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Amerada Petroleum Corporation, is the owner and operator of the Ida Wimberley Lease comprising the W/2 SW/4 of Section 24, the NW/4 and the SW/4 NE/4 of Section 25, and the NE/4 NE/4 of Section 26, all in Township 25 South, Range 37 East, ~~WPM~~, Lea County, New Mexico.
- (3) That the applicant proposes to commingle the Blinbry, Drinkard, and Fusselman production from all wells on the above-described lease, after separately metering the production from each of said pools.
- (4) That the applicant further proposes to install an automatic custody transfer system to handle said commingled production.
- (5) That the ownership of the Ida Wimberley Lease is common at all depths.

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CASE No. 2102

Order No. R-1808

(6) That the previous use of automatic custody transfer equipment, similar to that proposed by the applicant, has shown that such equipment is a reliable and economic means of transferring the custody of oil, and that the use of such equipment should be permitted, provided adequate safety features are incorporated therein.

(7) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Amerada Petroleum Corporation, be and the same is hereby authorized to commingle the Blinbry, Drinkard, and Fusselman production from all wells on its Ida Wimberley Lease comprising the W/2 SW/4 of Section 24, the NW/4 and the SW/4 SE/4 of Section 25, and the NE/4 NE/4 of Section 26, all in Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, after separately metering the production from each of said pools.

(2) That the applicant be and the same is hereby authorized to install an automatic custody transfer system to handle the said commingled production.

PROVIDED HOWEVER, That the applicant shall install adequate facilities to permit the testing of all wells located on the above-described Ida Wimberley Lease at least once each month to determine the individual production from each well.

PROVIDED FURTHER, That in order to prevent the overflow and waste of oil in the event the automatic custody transfer system fails to transfer oil to the pipeline, the applicant shall add additional storage facilities from time to time, as it becomes necessary, to store the production which will accrue during the hours that said lease is unattended, or in the alternative, shall so equip the existing facilities as to automatically shut-in the lease production at the wellhead in the event the storage facilities become full.

IT IS FURTHER ORDERED:

That all meters used in the above-described automatic custody transfer system shall be operated and maintained in such a manner as to ensure an accurate measurement of the liquid hydrocarbon production at all times.

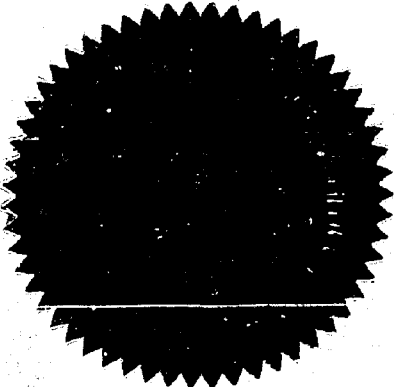
That meters shall be checked for accuracy at least once each month until further direction by the Secretary-Director.

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CASE No. 2102
Order No. R-1808

That meters shall be calibrated against a master meter or against a test tank of measured volume and the results of such calibration filed with the Commission on the Commission form entitled "Meter Test Report."

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


John Burroughs
JOHN BURROUGHS, Chairman

Murray E. Morgan
MURRAY E. MORGAN, Member

A. L. Porter, Jr.
A. L. PORTER, JR., Member & Secretary

esr/

BEFORE THE
OIL CONSERVATION COMMISSION
MARRY HALL
Santa Fe, New Mexico
October 19, 1960

EXAMINER HEARING

IN THE MATTER OF:

Application of Amerada Petroleum Corporation for permission to commingle the production from several separate pools and for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Blinbry, Drinkard, and Fusselman production from all wells on its Ida Wimberley lease comprising portions of Sections 24, 25 and 26, Township 25 South, Range 37 East, Lea County, New Mexico. Applicant further seeks permission to install an automatic custody transfer system to handle said commingled production.

Case
2102

BEFORE:

Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. MORRIS: Case 2102, Application of Amerada Petroleum Corporation for permission to commingle the production from several separate pools and for an automatic custody transfer system.

MR. KELLAHIN: Jason Kellahin, Kellahin and Fox, Santa Fe, representing the applicant. We will have one witness.

(Whereupon witness sworn.)

A. E. SNYDER

called as a witness, having been first duly sworn on oath, testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please.



A A. E. Snyder.

Q By whom are you employed and what position?

A Amerada Petroleum Company as District Engineer in Monument, New Mexico.

Q Have you previously testified before the Oil Conservation Commission before?

A Yes, sir.

MR. KELLAHIN: Are the witnesses qualifications acceptable?

MR. NUTTER: Yes, sir.

Q (By Mr. Kellahin) Mr. Snyder, are you familiar with the application in Case 2102?

A Yes, sir.

Q Would you state briefly what you propose in this application.

A In this application we propose to commingle the production of three different pays on our Amerada Ida Wimberley lease and to install an automatic custody transfer system for the marketing of that oil.

Q Do you have a plat showing the ownership of the lease in the surrounding area?

A Yes, sir.

MR. KELLAHIN: Would you have that marked as Exhibit No. 1, please.

(Whereupon Exhibit No. 1 was marked for identification.)

Q (By Mr. Kellahin) Referring to what has been marked as Exhibit No. 1, would you discuss that Exhibit, please.

A This exhibit shows the location of Amerada's Ida



Q Did you design the proposed dual completion in this well?

A Yes.

Q Do you have for introduction as an exhibit here a lease plat which will show the location of the lease?

A Yes.

Q I would like to call your attention to Exhibit No. 1, lease plat Vinson-Ramsay, Lea County, New Mexico. Referring to Exhibit No. 1, now would you please give a description of Gulf's Vinson-Ramsay State "B" Lease.

A Vinson-Ramsay "B" No. 6 is located in the South half of Section 36, Range 37 East, Township 25 South, and is circled in red.

Q And where is the well concerned with this hearing located?

A Well No. 6 is located approximately 1980 feet to the west line and 1980 from the south line on Section 36.

Q Would you now please give the history of Gulf's Vinson-Ramsay "B" No. 6 Well.

A Vinson "B" 6 was drilled in May of 1958 to the total depth of 5800 feet. It is singularly completed in the Justice-Blinebry, perforation is 5359 to 5495 feet. The well was deepened in October, 1960, 30 feet, total depth 5830 to the Justice Tubb.

Q Is this well now producing or capable of producing in two zones, if so, what are those two zones and what are the apparent potentials?

A It is capable of capacity as a dual well. The Justice Tubb and Justice-Blinebry Pool are top allowable wells.



Q Have there been any tests of the activity or have well tests been made in the respective zones?

A Yes, sir; there have been.

Q What did the Justice-Blinebry recently test?

A The Justice-Blinebry recently tested 50 barrels of oil and 5 barrels of water. The 24 hour test on a 12/64 inch choke, the gas oil ratio of 740.

Q What is the Justice Tubb completion test?

A It tested 58 barrels of oil, 50 barrels of water on the 23 hour test and 15/64 inch choke, gas oil ratio 2070.

Q Have you prepared or has there been prepared at your direction and under your supervision for introduction as Exhibit No. 2 here a schematic diagram showing the mechanical installation for the dual completion?

A Yes, there has.

Q Referring to Exhibit No. 2, would you please outline the installation and all other matters there are pertinent.

A The 8-5/8 casing is set at 431 feet and cemented with 350 sacks of cement, the cement was circulated. The 5-1/2 casing is set at 5797 feet, cemented with 1950 sacks of cement, the top of the cement is 2055 feet. The well was perforated in the Blinebry perforation at 5359 to 4295, 5493. The well was drilled deeper to 5830 feet; that is 30 foot of open hole to the Justice Tubb pay.

Q What tubing is installed or proposed to be installed?

A 1-1/2 inch intregal joint tubing.

Q Do you have any figures to show the pressure differential



LEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

across the packer?

A Yes. The Blinbry bottom hole pressure is 1884 pounds. The Tubb bottom hole pressure taken from other Tubb wells in this vicinity, is approximately 2245 pounds.

Q What type of packer is installed or proposed to be installed?

A A Baker-Model D Production Packer.

Q Has this packer been proven in field experience as being one pool capable of maintaining separation between the two pays?

A Yes.

Q Why was 1-1/2 inch tubing used?

A The well was recently completed as a single completion using 5-1/2 inch casing. There was two choices of tubing to use, 2-1/16 hydril or this intregal joint tubing. The cost of the intregal joint tubing is \$48.93 per hundred foot in minimum lots of 30000 pounds, F.O.B. Houston. The hydril, the cost of hydril tubing, the 2-1/16 inch, is \$119.68 per hundred foot and a minimum of 40,000 pound lots, F.O.B. Houston.

Q What is the net saving in using 1-1/2 inch tubing over the other 2-1/16?

A Approximately \$8000.00.

Q Is this 1-1/2 inch tubing a newly marketed product?

A Yes, sir; it is.

Q Has it had field experience?

A To the best of my knowledge it has in certain areas in Texas and is manufactured by Southwestern Pipe Company.

Q To the extent of field experience, has it proven



satisfactory?

A To my knowledge, it has.

Q Has Gulf investigated the characteristics and quality of this pipe and is it satisfied with the ability of this pipe, this tubing to do the job?

A Yes.

Q Is the 1-1/2 inch tubing in your well adequately recovering the oil in both zones without waste?

A Yes, sir.

Q Is it capable of the use of pumping rods?

A Yes.

Q What type of pumping rods would you install if it was necessary to pump?

A If it is necessary to pump, slim hole 5/8 inch rods. DA Box OD of 1-1/4 inch.

Q Does your proposed completion in this case conform with the Commission Rule 112 and Roman Numeral II, sub-paragraph 3?

A No.

Q As I understand that rule which I have just cited, it provides for 1-3/4 minimum ID pipe or tubing.

A Yes.

Q You are proposing the use of 1-1/2 inch.

A That is right.

Q Will this proposed dual completion in all other respects operate for the prevention of waste and in the protection of correlative rights?



A Yes.

MR. KASTLER: I don't have any other questions at this time. I would like to move that Exhibits 1 and 2 be entered into evidence.

MR. NUTTER: Gulf's Exhibits 1 and 2 will be admitted. Anyone have any questions of Mr. Johnson?

(No response)

CROSS EXAMINATION

BY MR. NUTTER:

Q I note that the Tubb at the time is making 58 barrels of oil and 50 barrels of water.

A That was on the test, yes.

Q Do you anticipate this water oil ratio will increase as time goes by?

A Possibly, yes.

Q What volumes will you be able to pump through the 1-1/2 inch integral joint tubing using the sucker rods and the size boxes you are talking about?

A We calculated in using the inch and a quarter pump, we would produce approximately somewhere between 2 and 3 hundred barrels per day.

Q 2 to 3 hundred?

A Yes, sir.

Q What is the allowable for the Tubb zone?

A 44 barrels a day.

Q Do you think the Blinbry will increase in its water oil ratio?

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



A Possibly, yes, we have in this area, we have had no appreciable amount of increase in water oil ratio.

Q What is the maximum depth that this type of tubing can be set?

A Using a safety factor of 1.6, it can be set at 7920 feet.

Q You set it at considerably less than 7900 feet, is that correct?

A Yes, sir.

MR. NUTTER: Any further questions of Mr. Johnson?

MR. KASTLER: I would like to ask one question on re-direct.

RE-DIRECT EXAMINATION

BY MR. KASTLER:

Q Does Gulf propose to have water disposal in its Ramsay affecting this lease?

A Yes.

MR. NUTTER: Any further, Mr. Kastler?

MR. KASTLER: No.

MR. NUTTER: The witness may be excused. Does anyone have anything to offer in Case 2103?

(No response)

MR. NUTTER: We will take the case under advisement and call Case 2104.



I N D E X

WITNESSES

PAGE

J. C. JOHNSON
 Direct Examination by Mr. Kastler
 Cross Examination by Mr. Nutter
 Re-Direct Examination by Mr. Kastler

1
 7
 8

E X H I B I T S

<u>Number</u>	<u>Marked for Identification</u>	<u>Offered</u>	<u>Received</u>
1		7	7
2		7	7

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691

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STATE OF NEW MEXICO }
COUNTY OF BERNALILLO } ss

I, LEWELLYN NELSON, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing was reported by me in Stenotype, and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

DATED this 8th day of November, 1960, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Lewellyn J. Nelson
NOTARY PUBLIC

My Commission Expires:

June 14, 1964.

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 2102
heard by me on 10/19, 1960.

[Signature], Examiner
New Mexico Oil Conservation Commission

