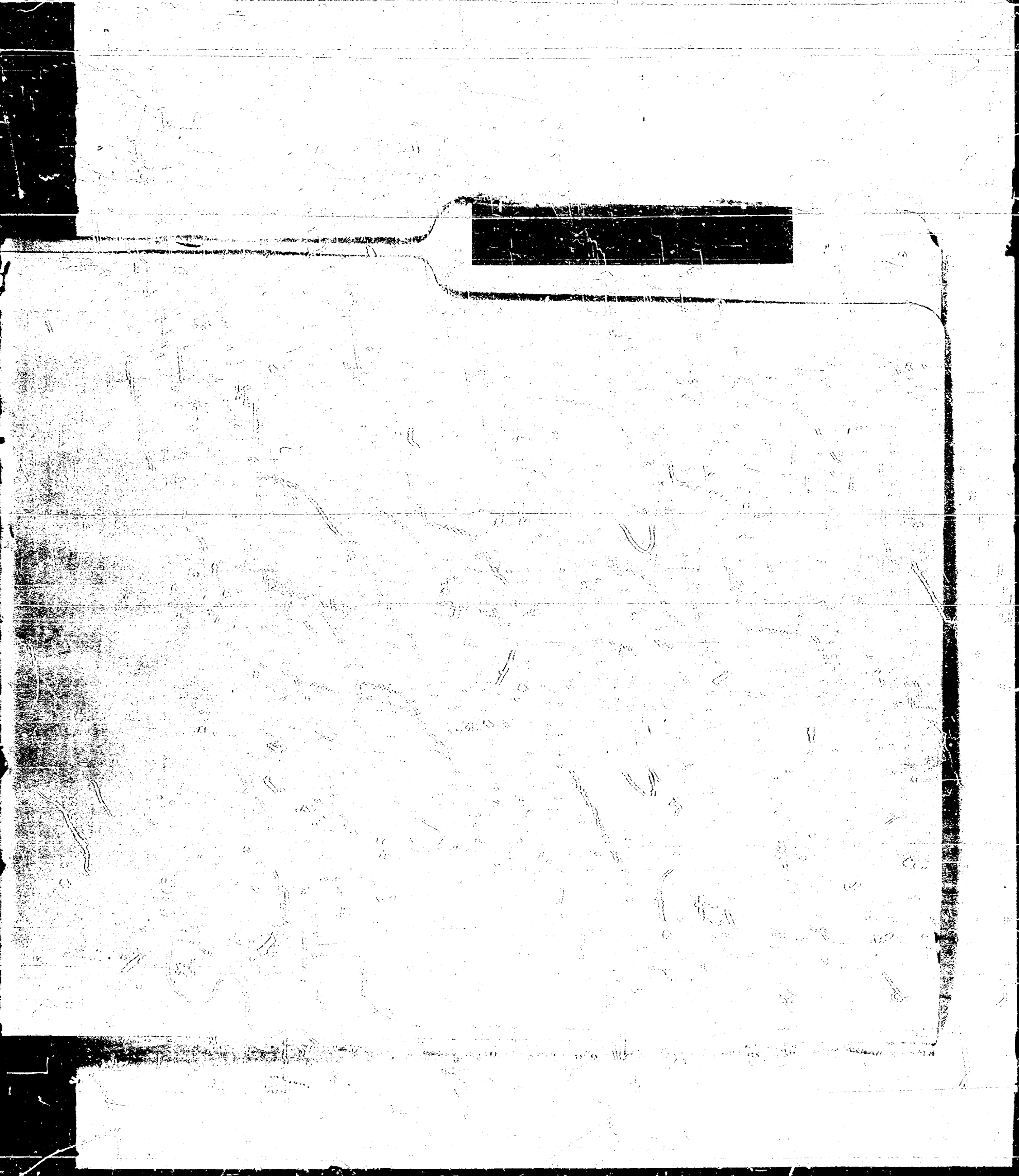




Case No.

1649

Application, Transcript,
Small Exhibits, Etc.

Case 1649

JASON W. KELLAHIN
ROBERT E. FOX

KELLAHIN AND FOX
ATTORNEYS AT LAW
54 1/2 EAST SAN FRANCISCO STREET
POST OFFICE BOX 173
SANTA FE, NEW MEXICO

TELEPHONES
YUCCA 2-3336
YUCCA 2-2266

April 3, 1959

Oil Conservation Commission
State Capitol Building
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Attached is the application of Amerada Petroleum Corporation in triplicate for a dual completion in the Bronco-Devonian Pool.

We would appreciate it if this could be set for hearing at your earliest convenience.

Yours very truly,

Jason W. Kellahin
Jason W. Kellahin

JWK:js
Enclosures

Docket Mailed
4-10-59
BP

1959 APR 3 PM 11:11
MAIN OFFICE OCC

Case 1649

AMERADA PETROLEUM CORPORATION

P. O. BOX 312
MIDLAND, TEXAS

April 1, 1959

PHONE MU 4-5533

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

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

1. That Amerada is the operator of the L. W. Ward No. 2, located 1983' FSL and 520' FEL of Section 11, T-13-S, R-38-E, Lea County, New Mexico, in the Bronco Field.
2. That the subject well is presently completed in the Bronco (Devonian) Pool.
3. That applicant proposes to dually complete the subject well in an undesignated Mississippian Pool and in the Bronco (Devonian) Pool.
4. That this will be the second Mississippian completion in the Bronco Field. The first was the Amerada - L. R. Weems No. 7, which is located across the New Mexico-Texas state line from the subject well. A plat of the area is attached.
5. That the proposed dual completion will be effected by setting a permanent type packer between the two producing zones and running two parallel strings of 2-1/16" OD CS Hydril tubing.
6. That details of the proposed dual completion are shown on the "Application for Dual Completion" form and the diagrammatic sketch attached to this letter.

Therefore, it is respectfully requested that the New Mexico Oil Conservation Commission schedule for public hearing the application of Amerada Petroleum Corporation for permission to dually complete the Amerada-L. W. Ward No. 2 as described herein.

Yours very truly,

Ray E. Seifert
Ray E. Seifert

Jason W. Kellahin
Jason W. Kellahin

OCM/jh
cc: Sinclair Oil & Gas Company
P. O. Box 1470, Midland, Texas

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Bronco		County Lea		Date April 1, 1959
Operator Amerada Petroleum Corporation		Lease L. W. Ward		Well No. 2
Location of Well I	Unit 11	Section 13S	Township 38E	Range 38E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☐ NO ☒
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Mississippian	Devonian
b. Top and Bottom of Pay Section (Perforations)	10,939-10,964	11,650-11871
c. Type of production (Oil or Gas)	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

- Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Yes c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Sinclair Oil & Gas Company, P. O. Box 1470, Midland, Texas

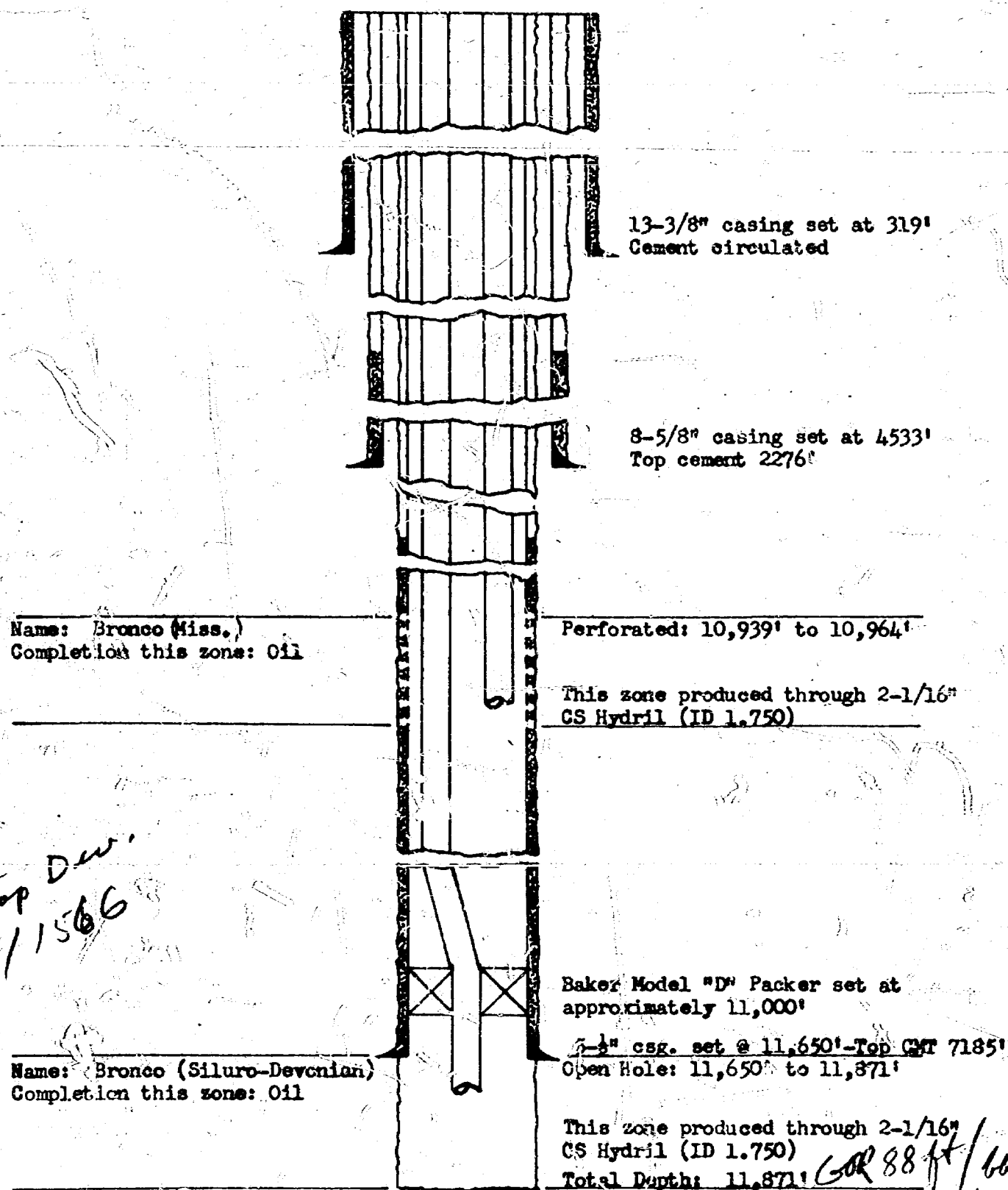
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐ . If answer is yes, give date of such notification **April 1, 1959**

CERTIFICATE: I, the undersigned, state that I am the **Division Superintendent** of the **Amerada Petroleum Corporation** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

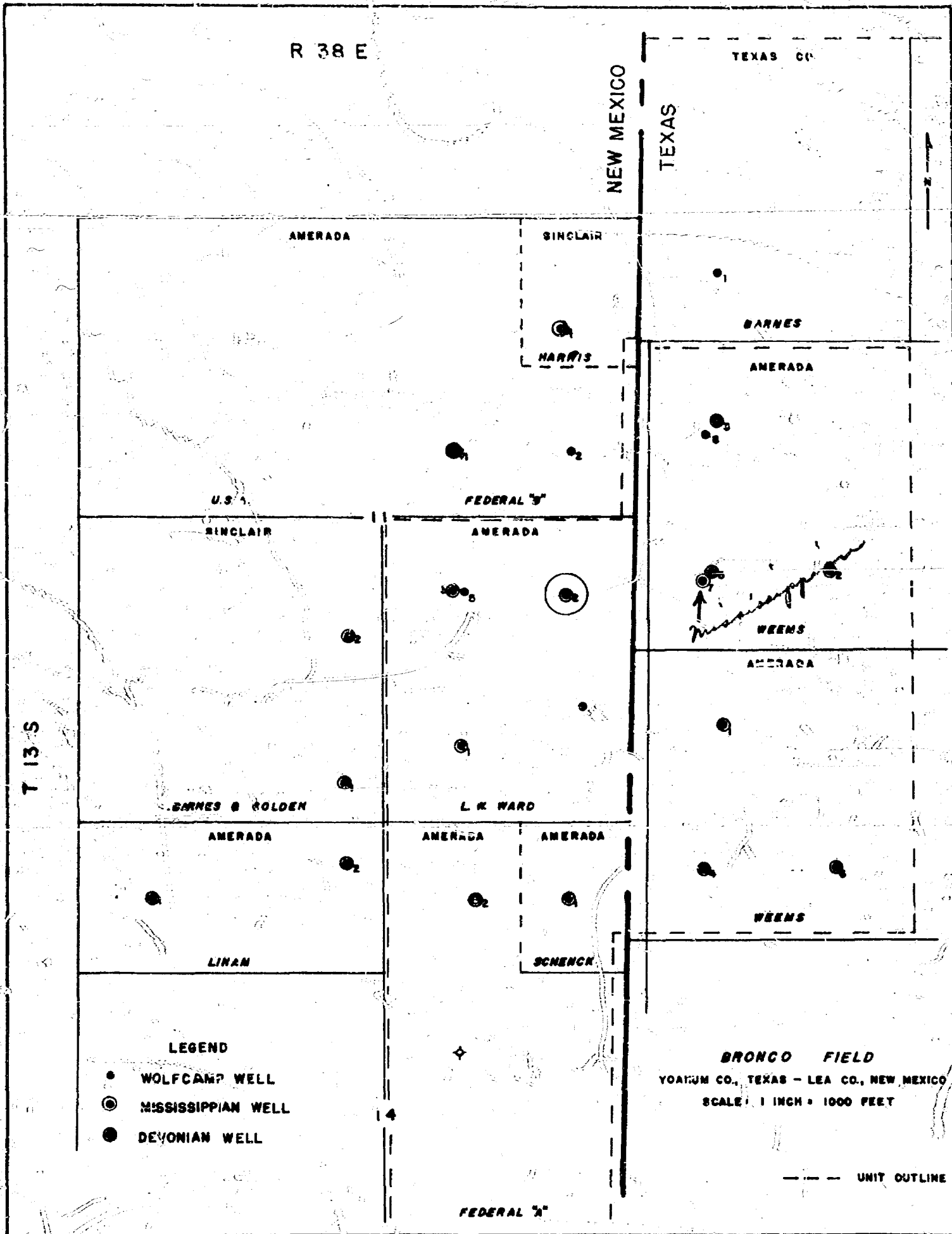
Ray E. Shifert
Signature

- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE:** If the proposed dual completion will result in an unorthodox well location and/or a non-standard perforation unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

AMERADA PETROLEUM CORPORATION
 PROPOSED DUAL COMPLETION FOR L. W. WARD #2
 Bronco (Siluro-Devonian) and Bronco (Miss.) Fields - Section 11, T13S, R38E



GOR 88 ft/bbl
 44° grm
 BAP 4-1259
 4474
 -8000
 Page 1649



Case 1649

511

1499

3269

2886

5278-5444

5775

5800

5861-5909

5918-5942

6050

7105

13 3/8 CASING

TOP OF CEMENT

2886'

9 5/8 CASING

TOP OF CEMENT

BLINEBRY ZONE

2 3/8 TUBING

BAKER MODEL "D" PACKER

DRINKARD ZONE

7 CASING

TOTAL DEPTH

AMERADA PETROLEUM CORPORATION

OIL - OIL DUAL

IDA WIMBERLEY NO. 9

Case No. 1646

Exhibit No. 2

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. 1849
Order No. B-1387

APPLICATION OF AMERADA PETROLEUM
CORPORATION FOR AN ORDER AUTHORIZING
AN OIL-OIL DUAL COMPLETION IN AN
UNDESIGNATED MISSISSIPPIAN POOL AND
IN THE BRUNCO-BYONIAN POOL, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 22, 1959, at Santa Fe, New Mexico, before Daniel S. Bitter, 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 7th day of May, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Daniel S. Bitter, and being fully advised in the premises,

WHEREAS:

(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 operator of the L. W. Ward Well No. 2, located 1865 feet from the south line and 820 feet from the East line of Section 11, Township 1S North, Range 2S East, NEPM, Lea County, New Mexico.

(3) That the applicant proposes to dually complete the said L. W. Ward Well No. 2 in such a manner as to permit the production of oil from an undesignated Mississippian pool and the production of oil from the Brunco-Boninian Pool through parallel strings of 2-1/16-inch Hydril CS joint tubing.

(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(5) That approval of the subject application will not cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

That the applicant, Amerada Petroleum Corporation, Inc. and the same is hereby authorized to finally complete the W. Ward Well No. 2, located 1683 feet from the South line and 410 feet from the East line of Section 11, Township 13 South, Range 32 East, HEMM, Lea County, New Mexico, in such a manner as to permit the production of oil from an undesignated Mississippian pool and the production of oil from the Bronco-Devonian Pool through parallel strings of 2-1/16-inch Hyaril CS joint tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That applicant shall make casing-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Bronco-Devonian Pool.

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; and in 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-phase production in the interests of conservation.

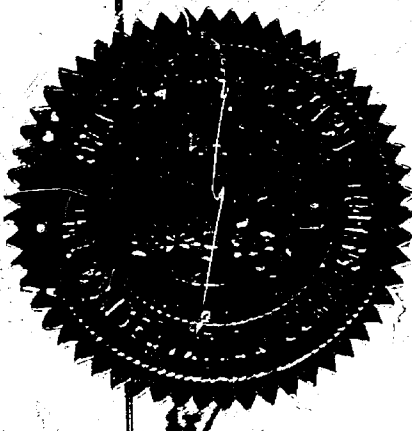
DONE at Santa Fe, New Mexico, on the day and year hereinafore designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John B. Burroughs
JOHN BURROUGHS, Chairman

W. E. Morgan
WILLIAM E. MORGAN, Member

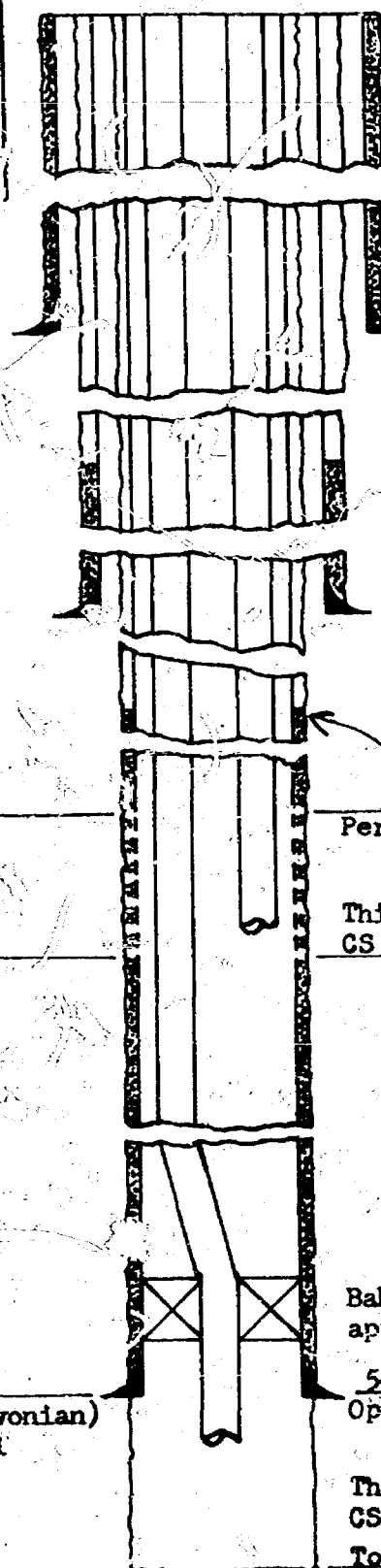
A. L. Porter, Jr.
A. L. PORTER, Jr., Member & Secretary



AMERADA PETROLEUM CORPORATION
 PROPOSED DUAL COMPLETION FOR L. W. WARD #2
 Bronco (Siluro-Devonian) and Bronco (Miss.) Fields - Section 11, T13S, R38E

Case 1649
 Exhibit No 3

BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 3
 CASE NO. 1649



13-3/8" casing set at 319' ✓
 Cement circulated

8-5/8" casing set at 4533' ✓
 Top cement 2276'

Name: Bronco (Miss.)
 Completion this zone: Oil

Perforated: 10,939' to 10,964'

This zone produced through 2-1/16"
 CS Hydril (ID 1.750)

diff 2000 ft

Baker Model "D" Packer set at
 approximately 11,000'

5-1/2" csg. set @ 11,650' Top CMT 7185'
 Open Hole: 11,650' to 11,871'

Name: Bronco (Siluro-Devonian)
 Completion this zone: Oil

This zone produced through 2-1/16"
 CS Hydril (ID 1.750)

Total Depth: 11,871'

Case 1649
Exhibit No. 1

R 28 E

TEXAS CO.

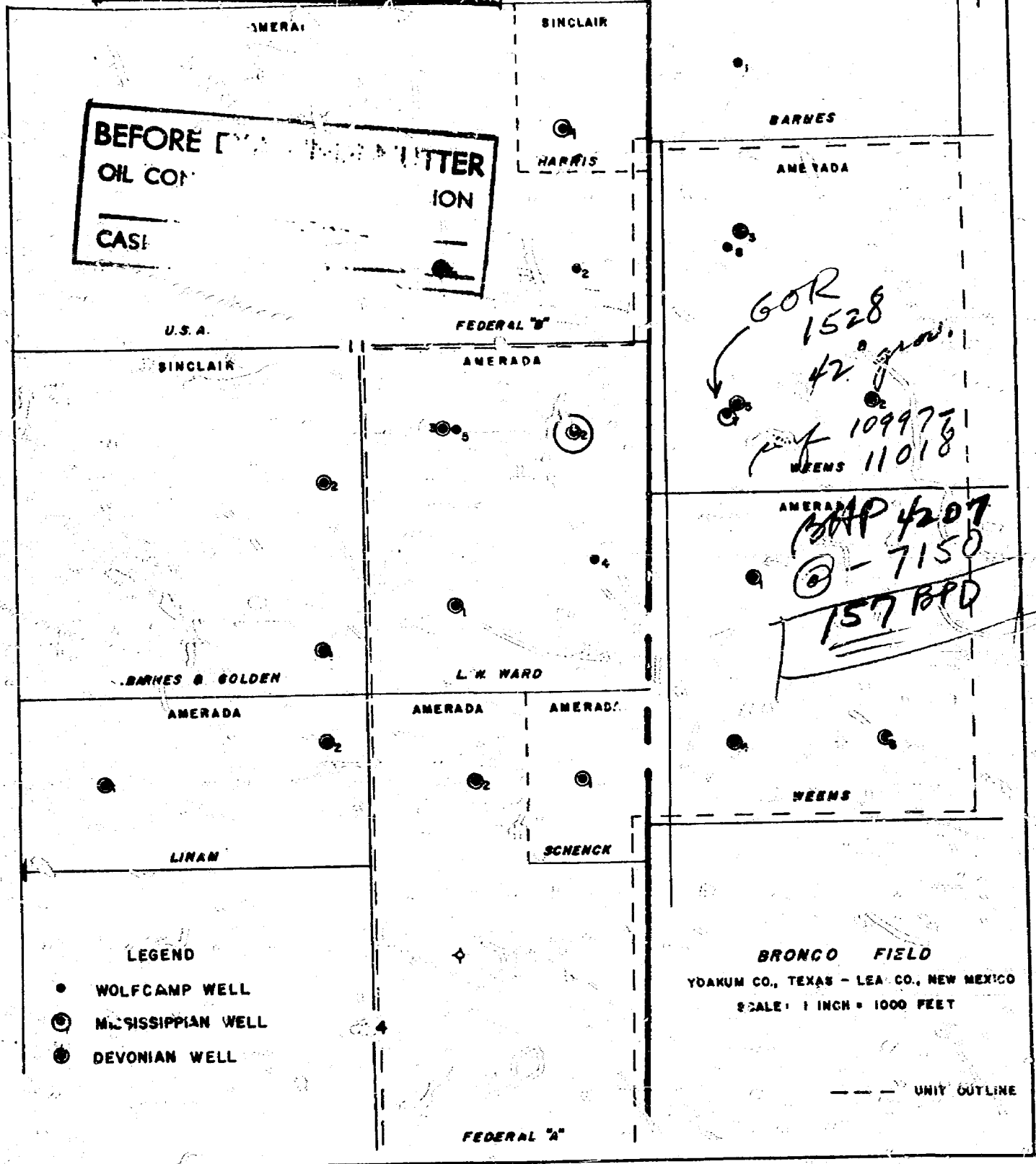
NEW MEXICO

TEXAS

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1649
CASE NO. 1649

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
CASE NO. 1649

T 13 S



LEGEND

- WOLFCAMP WELL
- ⊙ MISSISSIPPIAN WELL
- ⊗ DEVONIAN WELL

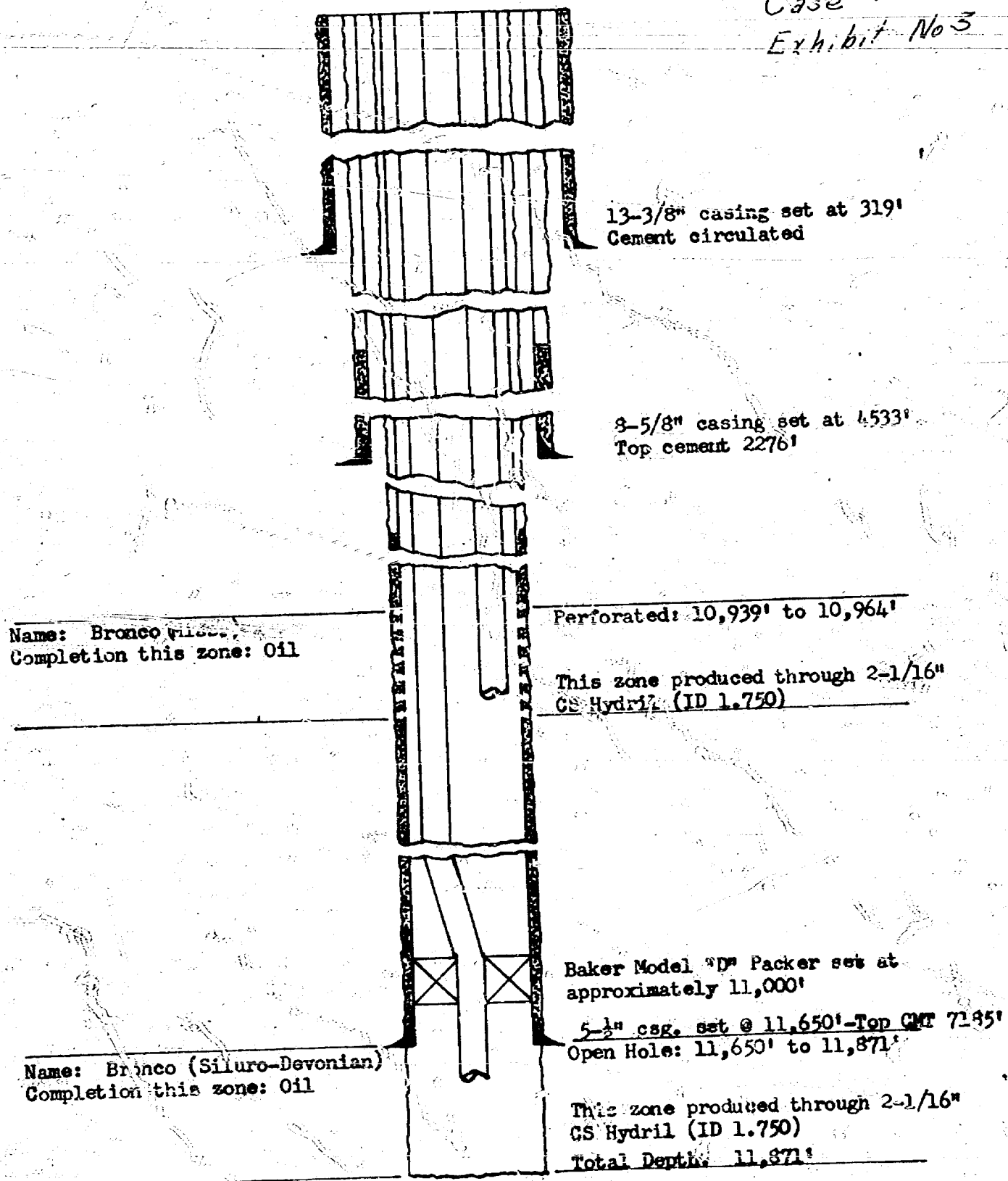
BRONCO FIELD
YOKUM CO., TEXAS - LEA CO., NEW MEXICO
SCALE: 1 INCH = 1000 FEET

UNIT OUTLINE

FEDERAL "A"

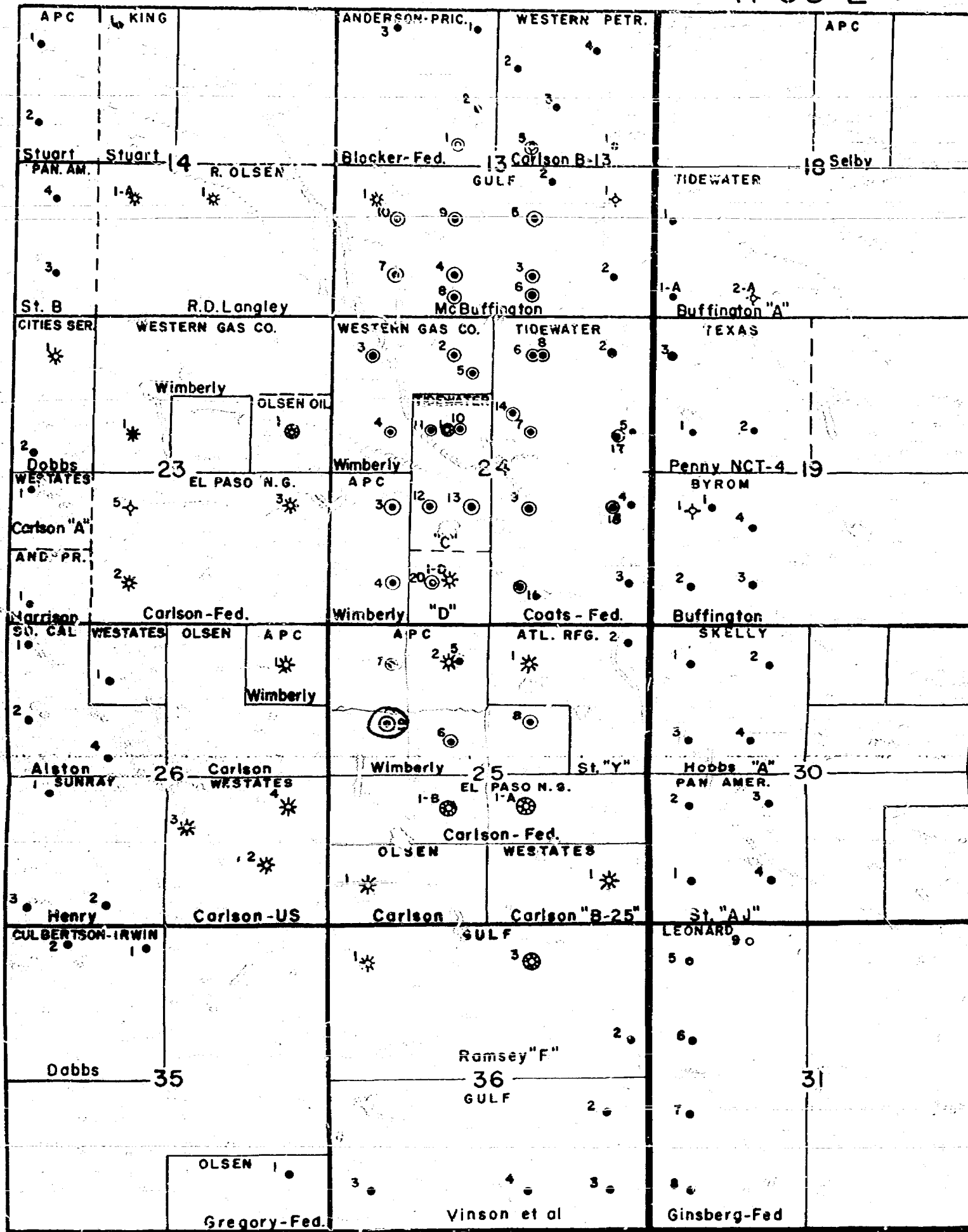
AMERADA PETROLEUM CORPORATION
 PROPOSED DUAL COMPLETION FOR L. W. WARD #2
 Bronco (Siluro-Devonian) and Bronco (Miss.) Fields - Section 11, T13S, R38E

Case 1649
 Exhibit No 3



R-37-E

R-38-E

T
25
S

JUSTIS AREA

LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF

CASE 1649

TRANSCRIPT OF HEARING

APRIL 22, 1959

DEARNLEY, MEIER & ASSOCIATES
GENERAL LAW REPORTERS
ALBUQUERQUE NEW MEXICO
Phone CHapel 3-6671

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
April 22, 1959

IN THE MATTER OF:

Case 1649 Application of Amerada Petroleum Corporation :
for an oil-oil dual completion. Applicant in :
the above styled cause seeks an order author- :
izing the dual completion of its L. W. Ward :
Well No. 2 located 1983 feet from the South :
line and 520 feet from the East line of Section :
11, Township 13 South, Range 38 East, Lea :
County, New Mexico, in such a manner as to :
permit the production of oil from an undesig- :
nated Mississippian pool and the production :
of oil from the Bronco-Devonian Pool through :
parallel strings of 2-1/16 inch tubing. :

BEFORE:

Daniel S. Nutter, Examiner.

TRANSCRIPT OF PROCEEDINGS

MR. PAYNE: Case 1649. Application of Amerada Petro-
leum Corporation for an oil-oil dual completion.

MR. KELLAHIN: Kellahin & Fox, Santa Fe, New Mexico,
representing the applicant. We will have one witness, Mr. Houser.

(Witness sworn)

VERNON HOUSER,
called as a witness, having been duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A Vernon Houser.

Q By whom are you employed, Mr. Houser?

A Amerada Petroleum Corporation.

Q In what position?

A Petroleum engineer.

Q Have you ever testified before this commission before?

A I have not, sir.

Q Would you outline for the benefit of the Examiner your education and experience and qualifications?

A I am a graduate of Texas A & M College and have a B.S. degree in petroleum engineering. I have worked in the capacity of petroleum engineer from April of 1952 to January 1, 1956. From then on I have been employed in the capacity of district engineer in the Gaines District.

Q How long have you been the district engineer in the Gaines District?

A Three years and four months.

Q Is the well, which is the subject of this application, located within your district?

A It is, sir.

Q And are you familiar with it personally?

A Yes, sir.

Q Now, are you familiar with the application in Case 1649?

A Yes, sir.

Q Would you state briefly what is proposed to be done in that case?

A We propose to dually complete the L. W. Ward No. 2 in the Mississippian-Devonian zones.

Q Would you say where that well is located?

A That well is located 1953 feet from the South line and 520 feet from the East line of Section 11, Township 13 South, Range 38 East, Lea County, New Mexico.

Q Now, Mr. Houser, to clarify the record a little bit, is that location within a defined Devonian oil pool?

A It is, sir.

Q What pool is that?

A The Bronco-Devonian Pool.

Q Now, is it located within a defined pool for Mississippian production?

A There is one Mississippian producer at the present time, and that is Amerada Petroleum L. R. Weems No. 7, which is located across the Texas-New Mexico line.

Q And as far as you know the Oil Conservation Commission has not delineated a Mississippian pool in this area?

A They have not.

Q All right. Now, referring to what has been marked as Exhibit No. 1, would you state what that is?

A Exhibit No. 1 is a plat of the area showing the subject well.

Q Would you hand copies to the Examiner, please?

A Exhibit No. 1 is a plat of the subject well, subject

pool, showing the subject well encircled in red. The only Mississippian producer in the pool, which is across the Texas-New Mexico line, is the L. R. Weems No. 7, which is circled in green.

Q Now, the exhibit shows a dashed line encircling part of this acreage. What is the significance of that?

A That is the unit operators. Amerada as the unit operator operates the unit.

Q In other words, the area involved in this application is committed to a unit agreement, is that correct?

A That's correct.

Q And that unit agreement does it include the production from both zones?

A Yes, sir.

Q Now, what is the present status of the L. W. Ward Well No. 2?

A The L. W. Ward No. 2 is currently producing from the Bronco-Devonian. We are producing from 77.8 open hole from 11,650 to 11,871.

Q Where is the top of the Devonian formation located?

A The top of the Devonian formation is located 11,566 minus 6,666 feet.

Q What is the gas-oil ratio?

A The gas-oil ratio from the Bronco-Devonian is 88 cubic feet per barrel.

Q And the gravity of the fluids produced?

A Forty-four degrees.

Q Have you had any recent reservoir information on pressures?

A Yes. We have attained a bottom oil pressure in that well on April 1, 1959. That pressure was 4400 at a datum of 8,000 feet.

Q What was the original reservoir pressure in the Devonian?

A The original pressure was 4789 p.s.i.

Q You say there is a Mississippian producer in the area which is located across the line in Texas. Would you give us what information you have on that well?

A Yes, sir. This Mississippian producer is currently producing the gas-oil ratio of 1528 cubic barrel. This is producing 42 gravity oil.

Q How is that well completed?

A That well is completed from perforations located 10,997 to 11,180.

Q And what were the bottom hole pressures on that well?

A The bottom hole pressure on that well obtained on completion was 4207 p.s.i. at a datum of 7,150 feet sub sea.

Q What is the current production on the well?

A 157 barrels per day.

Q Were you producing any water from the Mississippian?

A No, sir. We are not.

Q Do you have a log of the subject well, Mr. Houser?

A Yes, sir. I do sir.

Q Would you present that as Exhibit No. 2, please?

(Thereupon the document above referred to was marked Exhibit No. 2 for identification.)

Q Now, referring to what has been marked as Exhibit No. 2, have you marked thereon the proposed perforations?

A Yes. We have the proposed perforations marked on the log.

Q What interval would that be?

A For the Mississippian 10,939 to 10,934.

Q Will your production from the Devonian remain as it is at the present time?

A Yes, sir.

Q Have you perforated the entire Devonian section in this well?

A No, sir. We have not. The top portion is still to be perforated.

Q The top portion?

A Yes, sir.

Q Now, have you prepared a diagrammatic sketch of the proposed completion?

A Yes, sir. We have, sir.

Q Would you present that as Exhibit No. 3, please?

Now, referring to what has been marked as Exhibit No. 3, would you first describe from that exhibit the present completion of the well?

A Yes, sir. We have 13-3/8 inch casing set at 319 feet.

That was foot hole cemented. And we have 3-5/8 inch casing set at 4533. The top of the cement behind is located at 2276. 5-1/2 inch casing is set at 11,650 and cemented; the top is located at 7185.

Q Now, how do you propose to make this dual completion?

A We propose to set a permanent type packer, Baker Model "D" Packer, between the two zones and run two parallel strings of 2-1/16 inch Hydril tubing.

Q Will the tubing be set at a depth to meet the requirements of this Commission?

A It will, sir.

Q Now, you will then produce from the open hole at the bottom of the packer?

A Yes, sir.

Q And you say this is Baker Model "D" Packer?

A That's correct.

Q What pressure differential will you anticipate under this well under producing conditions?

A From the information obtained on our L. R. Weems No. 7, we would have a differential as great as 2,000 pounds.

Q In your opinion, is the type of packer proposed to be used adequate to protect against communication between the two producing horizons?

A Yes, it is. From the information that we have calculated and received from Baker, the packer can handle a 25 pound differential with 8,000 pounds weight set on the packer.

Q In your opinion, is the type completion you propose

adequate to protect the producing horizons?

A It is, sir.

Q Can you perform the packer leakage tests prescribed by this Commission?

A Yes, we can.

Q Do you have any other means of determining whether leakage is occurring during producing occasions?

A Yes, sir. We can use a two-pen recorder recording pressures shut in flowing from the two zones. We can also use a pressure gauge in recording pressures with the zones flowing and shut in.

Q Do you propose to take those precautions in connection with this well?

A Yes, we do.

Q In your opinion, is the approval of this application in the interests of conservation and the prevention of waste?

A Yes, sir.

Q Would it be practical, in your opinion, to drill for production from the Mississippian?

A No, sir. Because of the depth and the rapid decline in rate that we are receiving in our Weems No. 7, I don't believe it would be practical.

Q Were Exhibits 1 and 3 prepared by you or under your direction and supervision?

A They were.

Q And Exhibit No. 2 is a log prepared by what company?

A Core Laboratories.

MR. KELLAHIN: At this time we would like to offer in evidence Exhibits 1, 2, and 3.

MR. NUTTER: Without objection Amerada Exhibits 1 through 3 will be entered.

MR. KELLAHIN: That's all of the questions I have, Mr. Examiner.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Houser, when was this Mississippian well in Texas completed?

A It was completed in November.

Q What was its potential when it was completed?

A 299 barrels.

Q Now, this 157 barrels that you stated it is presently producing, is that its capacity?

A That's the capacity discoverable. It would be 255 at that depth.

Q We would refer to this Mississippian as a marginal well at this time?

A That's correct.

Q Have you taken any drill tests in your Ward No. 2 well?

A Yes, sir.

Q And it indicated that it would be productive?

A Yes. It indicated that it would be productive.

Mr. Houser, what did you say those bottom hole pressures

on the two zones were?

A The Ward No. 2 was 4474 in the Devonian, and the latest pressure we have on the Mississippian which is from Weems No. 7 is 4207. Those are both static pressures after 48 hours.

MR. NUTTER: Any further questions of the witness.

He may be excused.

(Witness excused)

MR. NUTTER: Does anyone have anything further they wish to offer in Case 1649. If not we will take the case under advisement and take Case 1650.

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

ss

I, Ned A. Greenig, Court Reporter, in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in Stenotype and reduced to typewritten transcript by me, and that the same is a true and correct record to the best of my knowledge, skill, and ability.

Ned A. Greenig
COURT REPORTER

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1649 heard by me on 4-22, 1977.
Samuel A. [Signature] Examiner
New Mexico Oil Conservation Commission

DEARNLEY, MEIER & ASSOCIATES
GENERAL LAW REPORTERS
ALBUQUERQUE, NEW MEXICO
Phone CHapel 3-6691

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

4/30
OEP
Jury
4/30
PJP
4/30

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

CASE NO. 1649

Order No. R- 1287

APPLICATION OF AMERADA PETROLEUM
CORPORATION FOR AN ORDER AUTHORIZING
AN OIL-OIL DUAL COMPLETION IN AN
UNDESIGNATED MISSISSIPPIAN POOL AND
IN THE BRONCO-DEVONIAN POOL, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 22, 1959, 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 May day of May, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced, 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 operator of the L. W. Ward Well No. 2, located 1983 feet from the South line and 520 feet from the East line of Section 11, Township 13 South, Range 38 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to dually complete the said L. W. Ward Well No. 2 in such a manner as to permit the production of oil from an undesignated Mississippian pool and the production of oil from the Bronco-Devonian Pool through parallel strings of 2-1/16" Hydril ^{3 joint} tubing.

(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(5) That approval of the subject application will not cause waste or impair correlative rights.

IT IS THEREFORE ORDERED:

That the applicant, Amerada Petroleum Corporation, be and the same is hereby authorized to dually complete its L. W. Ward Well No. 2, located 1983 feet from the South line and 520 feet from

Case No. 1649
Order No. R-_____

the East line of Section 11, Township 13 South, Range 38 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of oil from an undesignated Mississippian pool and the production of oil from the Bronco-Devonian Pool through parallel strings of 2 1/16 inch Hydril^{CS joint} tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Bronco-Devonian Pool.

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