

CASE 6906: AMOCO PRODUCTION COMPANY FOR  
A DUAL COMPLETION, LEA COUNTY, NEW MEXICO

Case No.

6906

Application

Transcripts

Small Exhibits

ETC



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

**June 20, 1980**

**Mr. James Appelt, Attorney  
Amoco Production Company  
Post Office Box 3092  
Houston, Texas 77001**

Re: CASE NO. 8908  
ORDER NO. R-6372

Applicant:

**Amoco Production Company**

Dear Sir:

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

Yours very truly,

**JOE D. RAMEY**  
**Director**

JDR/td

Copy of order also sent to:

Hobbs OCD	<u>x</u>
Artesia OCD	<u>x</u>
Aztec OCD	

Other \_\_\_\_\_

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 6906  
Order No. R-6372

APPLICATION OF AMOCO PRODUCTION  
COMPANY FOR A DUAL COMPLETION,  
LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on June 4, 1980,  
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 18th day of June, 1980, the Division  
Director, having considered the testimony, the record, and the  
recommendations of the Examiner, and being fully advised in the  
premises,

FINDS:

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

(2) That the applicant, Amoco Production Company, seeks  
authority to complete its South Mattix Unit Well No. 39, located  
in Unit G of Section 15, Township 24 South, Range 37 East, NMPM,  
Lea County, New Mexico, as a dual completion (conventional) to  
produce oil from the Fowler-Upper Yase and Fowler-Drinkard Pools  
through parallel strings of 2 3/8-inch tubing with separation of  
the zones to be achieved by means of a packer set at approxi-  
mately 6050 feet.

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

(4) That approval of the subject application will prevent  
waste and protect correlative rights.

-2-  
Case No. 6906  
Order No. R-6372

IT IS THEREFORE ORDERED:

(1) That the applicant, Amoco Production Company, is hereby authorized to complete its South Mattix Unit Well No. 39, located in Unit G of Section 15, Township 24 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Fowler-Upper Yaso and Fowler-Drinkard Pools through parallel strings of tubing with a packer set at approximately 6050 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Fowler-Drinkard Pool.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
JOE D. RAMEY  
Director

  
SEAL

rd/

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
4 June 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Amoco Production Company )  
for a dual completion, Lea County, New ) CASE  
Mexico. ) 6906

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation  
Division:

Ernest L. Padilla, Esq.  
Legal Counsel to the Division  
State Land Office Bldg.  
Santa Fe, New Mexico 87501

For Amoco Production  
Co.:

James M. Appelt, Esq.  
Amoco Production Company  
Houston, Texas

SALLY W. BOYD, C.S.R.

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Santa Fe, New Mexico 87501  
Phone (505) 435-7409

I N D E X

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JAMES C. ALLEN

Direct Examination by Mr. Appelt

4

Cross Examination by Mr. Nutter

8

E X H I B I T S

Amoco Exhibit One, Plat

5

Amoco Exhibit Two, Sketch

6

Amoco Exhibit Three, Log

7

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At: 1 Box 113-E  
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Phone: (505) 433-7409

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Phone (505) 455-7109

Page 3

1 MR. NUTTER: We'll call now Case Number  
2 6906.

3 MR. PADILLA: Application of Amoco Pro-  
4 duction Company for dual completion, Lea County, New Mexico.

5 MR. NUTTER: Please proceed.

6 MR. APPELT: Mr. Examiner, my name is  
7 James Appelt. I'm appearing for Amoco Production Company.  
8 This is Case Number 6906, which Amoco is requesting Division  
9 approval to dually complete its South Mattix Well No. 39,  
10 located in Unit G of Section 15, Township 24 South, Range  
11 37 East, to produce oil from the Fowler-Upper Yeso and Fowler-  
12 Drinkard Pools through parallel strings of tubing.

13 MR. NUTTER: What was your last name  
14 again, please?

15 MR. APPELT: Appelt, A-P-P-E-L-T.

16 MR. NUTTER: Okay, thank you.

17 MR. APPELT: I have one witness, Mr. Jim  
18 Allen, and he needs to be sworn.

19  
20 (Witness sworn.)

21  
22 JAMES C. ALLEN

23 BEING called as a witness and having been duly sworn upon his  
24 oath, testified as follows, to-wit:  
25



DIRECT EXAMINATION

BY MR. APPELT:

Q Mr. Allen, would you please state your name, place of employment, and capacity?

A My name is James C. Allen. I'm a petroleum engineering supervisor with Amoco Production Company in Houston, Texas.

Q Have you ever testified before this Conservation Division before?

A Yes, sir.

Q Are your qualifications a matter of public record?

A Yes, sir.

MR. APPELT: Mr. Examiner, will you accept Mr. Allen as an expert qualified to testify in this matter?

MR. NUTTER: Mr. Allen is qualified.

Q Mr. Allen, how many exhibits do you plan to introduce?

A We'll have three exhibits in this application.

Q Mr. Allen, were these exhibits all prepared by you or under your direction and supervision?

A Yes, sir, they were.

Q Mr. Allen, I direct your attention to

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Santa Fe, New Mexico 87401

Phone (505) 455-7409

1 Exhibit Number One. What is Exhibit One?

2 A Exhibit Number One is a map showing a  
3 portion of the Amoco-operated South Mattix Unit in Lea County,  
4 New Mexico, and the immediate offsets to the section in which  
5 Well No. 39 is located.

6 Q Is the subject matter of this hearing  
7 indicated on this map?

8 A Yes, sir, it is. Well No. 39, in which  
9 we're requesting dual completion, is highlighted with a red  
10 arrow. The official location of that well being 1890 feet  
11 from the north line, 2070 feet from the east line, Section  
12 15, Township 24 South, Range 37 East, Lea County, New Mexico.

13 Q On this map I notice that there are various  
14 wells with colored symbols on them. Would you describe what  
15 these symbols mean?

16 A Yes, sir. This particular area in the  
17 Fowler Field is an area where there are numerous pay horizons  
18 and we have indicated by using the color code the zones in  
19 which the various wells are completed in.

20 I'd like to draw the Examiner's attention  
21 to a well in which I added in pen, in Unit A of Section 15,  
22 this Well No. 38, which has been completed within the last  
23 30 days was inadvertently left off this map. It was com-  
24 pleted on May 9th as a Upper Yeso oil well.

25 MR. NUTTER: So it would have been green

SALLY W. BOYD, C.S.R.

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1 if it had been color coded?

2 A Yes, sir, it would have been green. And  
3 that well is located 750 feet from the north line and 700  
4 feet from the east line of Section 15.

5 I'd like to point out that in our dual  
6 completion requesting the completion in the Upper Yeso and  
7 the Drinkard, the Drinkard is the last horizon, or the most  
8 recent, which has been developed in this area. The first  
9 well was completed in August of '79, being the Well No. 37,  
10 which is located in the southeast corner of Section 15.

11 Since that date Amoco has drilled and  
12 completed Well No. 35, located in the northwest quarter of  
13 15; Well No. 36, located in the northeast quarter of Section  
14 22; and we have now completed Well No. 39, which is the sub-  
15 ject of this hearing today and highlighted with the red arrow.

16 Q If Amoco's application in this case is ap-  
17 proved, is there a possibility that Amoco would seek admini-  
18 strative approval to dually complete other wells in the Upper  
19 Yeso and Drinkard intervals?

20 A That possibility exists in view of the  
21 large number of horizons in this field and the fact that we  
22 do have three other Drinkard wells completed at this time.

23 Q Mr. Allen, I now direct your attention to  
24 Exhibit Number Two. What is Exhibit Number Two?

25 A Exhibit Number Two is a wellbore sketch

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1 of the South Mattix Unit Well No. 39. It shows the downhole  
2 tubular goods which have been installed in this well. I  
3 think it is fairly well self-explanatory. I'd like to point  
4 out that we are requesting a conventional dual completion,  
5 two strings of 2-3/8ths inch tubing are shown. A production  
6 packer is set at 6050 feet, which will isolate the two hori-  
7 zons in the wellbore. The Upper Yeso perforations are indi-  
8 cated to be 5117 to 5638 feet, noncontiguous. This horizon  
9 potentialized for 22 barrels of oil a day, 19 barrels of water,  
10 115 Mcf gas, for a gas/oil ratio of 5227, pumping.

11 The Drinkard formation is perforated 6030  
12 6130 to 6322 feet. It potentialized flowing for 22 barrels of  
13 oil, zero barrels of water, 215 Mcf gas, for a gas/oil ratio  
14 of I believe it's 9227.

15 Q Were centralizers used in this well?

16 A Yes, sir, 24 centralizers were installed  
17 on the production string between the depths of 4300 to 6395  
18 feet, and they were equally spaced.

19 Q Mr. Allen, I now direct your attention to  
20 Exhibit Number Three. What is it?

21 A Exhibit Number Three is a copy of the  
22 neutron density log that was run on the South Mattix Unit  
23 Well No. 39. On this log the top of the various horizons  
24 from the Upper Yeso down have been marked, from the Upper  
25 Paddock down. We've also indicated on this log the exact

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1 intervals which were perforated. The stimulation type and  
2 size of treatment is indicated, as well as the initial po-  
3 tential test.

4 Q Now, Mr. Allen, if approval is granted  
5 by the Division to dually complete this well and it is thus  
6 completed, in your opinion can hydrocarbons from the Upper  
7 Yeso and Drinkard intervals be safely and efficiently pro-  
8 duced through parallel strings of tubing?

9 A With this mechanical arrangement they can  
10 be, in my opinion.

11 MR. APPELT: Mr. Examiner, I respectfully  
12 submit Exhibits One, Two, and Three and the testimony of Mr.  
13 Allen as evidence to support Amoco's application and pass  
14 the witness.

15 Do you have any questions?

16 MR. NUTTER: The exhibits will be accepted  
17 in evidence.

18  
19 CROSS EXAMINATION

20 BY MR. NUTTER:

21 Q Mr. Allen, what is the bottom hole pres-  
22 sure on these two wells, or more significantly, what is the  
23 pressure differential across the packer?

24 A Mr. Nutter, we do not have a measured  
25 bottom hole pressure. I did make an estimate of the bottom

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1 hole pressure based on swab tests, and based on that I'd  
2 say there's approximately 1000 pounds difference between the  
3 two zones.

4 Q Okay, is this packer that you've got in-  
5 stalled here capable of withstanding a differential of 1000  
6 pounds pressure?

7 A Yes, sir, it is.

8 Q Can both of these zones be artificially  
9 lifted if that becomes necessary?

10 A Yes. In fact, the Upper Yeso is on arti-  
11 ficial lift at this time, and we have installed a seating  
12 nipple to install pumping equipment for the Drinkard horizon.

13 MR. NUTTER: Are there any other ques-  
14 tions of the witness? He may be excused.

15 Do you have anything further, Mr. Appelt?

16 MR. APPELT: Nothing.

17 MR. NUTTER: Does anyone have anything to  
18 offer in Case Number 6906?

19 We'll take the case under advisement.

20  
21 (Hearing concluded.)  
22  
23  
24  
25

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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that  
the foregoing Transcript of Hearing before the Oil Conserva-  
tion Division was reported by me; that the said transcript  
is a full, true, and correct record of the hearing, prepared  
by me to the best of my ability.

Sally W. Boyd CSR.

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. 6909  
heard by me on 6/4 1960.

[Signature], Examiner  
Oil Conservation Division

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STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
STATE LAND OFFICE BLDG.  
SANTA FE, NEW MEXICO  
4 June 1980

EXAMINER HEARING

IN THE MATTER OF:

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CASE  
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BEFORE: Daniel S. Nutter

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Page \_\_\_\_\_ 3 \_\_\_\_\_

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24 pleted on May 9th as a Upper Yeso oil well.

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Page 7

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6 completed, in your opinion can hydrocarbons from the Upper  
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22 sure on these two wells, or more significantly, what is the  
23 pressure differential across the packer?

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25 bottom hole pressure. I did make an estimate of the bottom

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1 hole pressure based on swab tests, and based on that I'd  
2 say there's approximately 1000 pounds difference between the  
3 two zones.

4 Q Okay, is this packer that you've got in-  
5 stalled here capable of withstanding a differential of 1000  
6 pounds pressure?

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9 lifted if that becomes necessary?

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14 tions of the witness? He may be excused.

15 Do you have anything further, Mr. Appelt?

16 MR. APPELT: Nothing.

17 MR. NUTTER: Does anyone have anything to  
18 offer in Case Number 6906?

19 We'll take the case under advisement.

20  
21 (Hearing concluded.)  
22  
23  
24  
25

SALLY W. BOYD, C.S.R.

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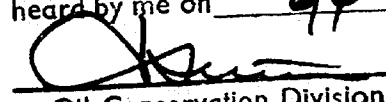
C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that  
the foregoing Transcript of Hearing before the Oil Conserva-  
tion Division was reported by me; that the said transcript  
is a full, true, and correct record of the hearing, prepared  
by me to the best of my ability.

SALLY W. BOYD, C.S.R.

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Santa Fe, New Mexico 87501  
Phone (505) 415-7409

I do hereby certify that the foregoing is  
a complete record of the proceedings in  
the Examiner hearing of Case No. 6906  
heard by me on 6/4 1980.

 Examiner  
Oil Conservation Division



Amoco Production Company

ENGINEERING CHART

SUBJECT

SOUTH MATTIX UNIT  
WELL NO. 39

SHEET NO.

OF

FILE

APPN

DATE

5/19/80

BY

HMB

LOCATION: 1890' FNL & 2070' FEL, SEC. 15, T-24-S, R-37-E  
LEA COUNTY, NEW MEXICO

GL: 3243'; RDB: 3258'

9 5/8" CSA 1082'  
CMT W/ 550 SKS  
CIRC. TO SURFACE

2 7/8" TBG W/ SCIM HOLE COUPLINGS

2 7/8" TBG

1 25/32" SEATING NIPPLE

PERFORATED 4' SUB WITH  
J-LATCH BELOW

PARALLEL ANCHOR  
ASSEMBLY @ 5645'

GUIBERSON UNI VI  
PKR @ 6050'

7" CSA 6400'  
CMT W/ 1350 SKS  
TOP DF CMT @ 90'

TD-6400'  
PBD-6357'

BEFORE EXAMINER NUTTER

OIL CONSERVATION DIVISION

Amoco EXHIBIT NO. 2

CASE NO. 6906

UPPER YESD PERFS: 5117'-5638'

1 25/32" SEATING NIPPLE

ON-OFF TOOL

DRINKARD PERFS: 6130'-6322'

Docket No. 17-80

Dockets Nos. 19-80 and 20-80 are tentatively set for June 25 and July 9, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - THURSDAY - JUNE 5, 1980

OIL CONSERVATION COMMISSION - 9 A.M. - ROOM 205  
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

CASE 6927: Application of Doyle Hartman for compulsory pooling and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the S/2 of Section 24, Township 17 South, Range 28 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South and West lines of said Section 24. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6928: Application of ARCO Oil and Gas Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the S/2 of Section 24, Township 17 South, Range 28 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

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Docket No. 16-80

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 4, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,  
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

CASE 6803: (Continued from April 23, 1980, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit EPROC Associates, Hartford Accident and Indemnity Company, and all other interested parties to appear and show cause why its Monsanto State H Well No. 1 located in Unit E of Section 2, Township 30 North, Range 16 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6906: Application of Amoco Production Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its South Mattix Unit Well No. 39 located in Unit C of Section 15, Township 24 South, Range 37 East, to produce oil from the Fowler-Upper Yesso and Fowler-Drinkard Pools thru parallel strings of tubing.

CASE 6907: Application of Amoco Production Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Myers Federal Well No. 28 located in Unit M of Section 9, Township 24 South, Range 37 East, to produce gas from the Jalmat and Langlie Mattix Pools thru parallel strings of tubing.

CASE 6908: Application of Estoril Producing Corporation for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Curry State Well No. 1, a Pennsylvanian test to be drilled 660 feet from the North and East lines of Section 22, Township 23 South, Range 34 East, Antelope Ridge Field, the N/2 of said Section 22 to be dedicated to the well.

CASE 6909: Application of El Paso Natural Gas Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Basin-Dakota and Largo-Gallup production in the wellbore of its Rincon Unit Well No. 164 located in Unit L of Section 2, Township 26 North, Range 7 West.

CASE 6886: (Continued from May 21, 1980, Examiner Hearing)

Application of Aminoil USA, Inc. for compulsory pooling and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp and Pennsylvanian formations underlying the S/2 of Section 10, Township 24 South, Range 28 East, to be dedicated to a well to be drilled at an unorthodox location 2080 feet from the South line and 1773 feet from the East line of said Section 10. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6910: Application of Grace Petroleum Corporation for four compulsory poolings, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Gallup formation underlying four 40-acre proration units, being the SE/4 NE/4, the SE/4 NW/4, and the NW/4 NW/4 of Section 28, and the SW/4 SE/4 of Section 29, all in Township 24 North, Range 7 West, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6911: Application of Grace Petroleum Corporation for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Gallup formation underlying the NE/4 NW/4 of Section 11, Township 23 North, Range 7 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6912: Application of Southland Royalty Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its State "14" Comm. Well No. 1 located in Unit E of Section 14, Township 19 South, Range 29 East, Turkey Track Field, to produce gas from the Morrow and Atoka formations thru tubing and the casing-tubing annulus, respectively

CASE 6913: Application of Kerr-McGee Corporation for an unorthodox well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State F Well No. 14 to be drilled 1310 feet from the North line and 1330 feet from the West line of Section 2, Township 8 South, Range 33 East, Chaveroo-San Andres Pool.

CASE 6914: Application of Wilson Oil Company for a non-standard proration unit and unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration unit comprising the S/2 of Section 29, Township 20 South, Range 36 East, North Osudo-Morrow Gas Pool, to be dedicated to its State JD Well No. 1 at an unorthodox location 1650 feet from the South line and 1980 feet from the West line of said Section 29.

CASE 6915: Application of Jake L. Hamon for a non-standard gas proration unit and an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration unit comprising the S/2 of Section 8, Township 20 South, Range 36 East, North Osudo-Morrow Gas Pool, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South line and 1980 feet from the West line of said Section 8.

CASE 6916: Application of Petro-Lewis Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of the Drinkard and Bluebry production in the wellbore of its State DC Well No. 1, a quadruple completion located in Unit F of Section 19, Township 21 South, Range 37 East.

CASE 6917: Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Goat Roper "LP" Com. Well No. 1 located in Unit P of Section 30, Township 17 South, Range 26 East.

CASE 6918: Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Upper Penn and Morrow gas production in the wellbore of its Kennedy "JQ" Com. Well No. 1 located in Unit H of Section 33, Township 17 South, Range 26 East, Kennedy Farms Field.

CASE 6919: Application of Yates Petroleum Corporation for downhole commingling or consolidation of two pools, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Wolfcamp and Penn gas production in the wellbore of its Anderson State "CS" Com. Well No. 1-Y located in Unit G of Section 14, and its Fordinkus State "HZ" Com. Well No. 1 located in Unit G of Section 22, both in Township 18 South, Range 24 East, or, in the alternative, the consolidation of the Fordinkus-Cisco Gas Pool and the Penasco Draw Permo-Penn Gas Pool into one Permo-Penn gas pool to include the above-described wells.

**CASE 6920:** Application of Yates Petroleum Corporation for a dual completion and unorthodox well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its 5 Mile Draw Federal Well No. 1 to produce from the Pennsylvanian and Abo formations thru the tubing and casing-tubing annulus, respectively; applicant also seeks approval for the unorthodox location of said well in the Abo formation 800 feet from the South line and 2100 feet from the East line of Section 34, Township 6 South, Range 25 East, the SE/4 of the section to be dedicated to the well.

**CASE 6903:** (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Pennsylvanian-Mississippian test well to be drilled 660 feet from the South line and 990 feet from the East line of Section 33, Township 13 South, Range 36 East, the S/2 of said Section 33 to be dedicated to the well.

**CASE 6904:** (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the McDonald Unit Area, comprising 1,440 acres, more or less, of fee lands in Townships 13 and 14 South, Range 36 East.

**CASE 6921:** Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Mississippian formations underlying the S/2 of Section 33, Township 13 South, Range 36 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South and East lines of Section 33. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

**CASE 6922:** Application of Harvey E. Yates Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Pennsylvanian formations underlying the E/2 of Section 24, Township 18 South, Range 28 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well.

**CASE 6923:** Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Cayton-Austin Unit Area, comprising 960 acres, more or less, of State and fee lands in Township 14 South, Range 36 East.

**CASE 6924:** Application of Caribou Four Corners, Inc. for two unorthodox oil well locations, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of two wells to be drilled, the first being 860 feet from the North line and 2090 feet from the West line, and the second being 910 feet from the North line and 395 feet from the West line, both in Section 13, Township 29 North, Range 15 West, Cha Cha-Gallup Oil Pool, the E/2 and the W/2, respectively, of the NW/4 of said Section 13 to be dedicated to the wells.

**CASE 6925:** Application of Caribou Four Corners, Inc. for two exceptions to Rule 306, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 306 of the Division Rules and Regulations to permit the permanent flaring of gas from its Kirtland Wells Nos. 1 and 2, located in Units A and B, respectively, of Section 13, Township 29 North, Range 15 West.

**CASE 6889:** (Readvertised)

Application of Belco Petroleum Corporation for directional drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill a well, the surface location of which is 1980 feet from the North line and 920 feet from the West line of Section 36, Township 22 South, Range 30 East, in such a manner as to bottom it at an unorthodox location within 660 feet of a point 1320 feet from the North line and 2640 feet from the West line of said Section 36 in the Morrow formation, the N/2 of said Section 36 to be dedicated to the well.

**CASE 6896:** (Continued from May 21, 1980, Examiner Hearing)

Application of John E. Schalk for a non-standard gas proration unit and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard Blanco Mesaverde gas proration unit comprising the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to his Gulf Well No. 2 to be drilled at an unorthodox location 1925 feet from the North line and 790 feet from the East line of said Section 8.

**CASE 6926:** In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, contracting vertical limits, and extending horizontal limits of certain pools in Chaves, Eddy, and Lea Counties, New Mexico:

(a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production and designated as the Arkansas Junction-Pennsylvanian Pool. The discovery well is Rex Alcorn Bobbi Well No. 1Y located in Unit J of Section 20, Township 18 South, Range 36 East, NMPM. Said pool would comprise:

TOWNSHIP 18 SOUTH, RANGE 36 EAST, NMPM  
Section 20: SE/4

(b) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the Avalon-Delaware Pool. The discovery well is MWJ Producing Company State CW Well No. 1 located in Unit K of Section 36, Township 20 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM  
Section 36: SW/4

(c) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the East Burton-Delaware Pool. The discovery well is J. C. Williamson TOG Federal Well No. 1 located in Unit F of Section 16, Township 20 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM  
Section 16: NW/4

(d) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Dog Canyon-Strawn Gas Pool. The discovery well is Harvey E. Yates Company Gates Federal Deep Well No. 1 located in Unit P of Section 6, Township 17 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM  
Section 6: S/2

(e) CREATE a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production and designated as the South Double L-San Andres Pool. The discovery well is McClellan Oil Corporation Mark Federal Well No. 1 located in Unit I of Section 30, Township 15 South, Range 30 East, NMPM. Said pool would comprise:

TOWNSHIP 15 SOUTH, RANGE 30 EAST, NMPM  
Section 30: SE/4

(f) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Grayburg production and designated as the Empire-Grayburg Gas Pool. The discovery well is Carl A. Schellinger West Federal Well No. 1 located in Unit G of Section 14, Township 17 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM  
Section 14: NE/4

(g) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the North Hume-Morrow Gas Pool. The discovery well is Bass Enterprises Production Company Bass 36 State Well No. 1 located in Unit E of Section 36, Township 15 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 15 SOUTH, RANGE 34 EAST, NMPM  
Section 36: W/2

(h) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the Lusk-Atoka Gas Pool. The discovery well is Phillips Petroleum Company Lusk Deep Unit A Com Well No. 13 located in Unit K of Section 18, Township 19 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM  
Section 18: S/2

(i) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Milepost-Morrow Gas Pool. The discovery well is Exxon Corporation Scheidt Federal Well No. 1 located in Unit L of Section 30, Township 26 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 25 EAST, NMPM  
Section 36: N/2 N/2 and Lots 1, 2,  
3, and 4

TOWNSHIP 26 SOUTH, RANGE 26 EAST, NMPM  
Section 30: S/2  
Section 31: N/2 NW/4 and Lots 3 and 4

(j) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Turkey Track-Atoka Gas Pool. The discovery well is Tenneco Oil Company State HL 11 Well No. 1 located in Unit N of Section 11, Township 19 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM  
Section 10: E/2  
Section 11: S/2

(k) CONTRACT the vertical limits of the East Grama Ridge-Bone Springs Pool to the interval from 10,472 feet to 10,900 feet as found on the type log for the Getty Oil Company State 35 Well No. 1 located in Unit K of Section 35, Township 21 South, Range 34 East, NMPM, and redesignate said pool as the East Grama Ridge-Lower Bone Springs Pool.

(l) EXTEND the Airstrip-Upper Bone Springs Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM  
Section 25: W/2 SW/4  
Section 26: SE/4

(m) EXTEND the Atoka-Yaso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM  
Section 33: NW/4 and N/2 S/2

(n) EXTEND the Brunson-Fusselman Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM  
Section 8: SE/4

(o) EXTEND the Buckeye-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM  
Section 9: NW/4

(p) EXTEND the Burton Flat-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 26 EAST, NMPM  
Section 13: W/2  
Section 14: E/2

(q) EXTEND the Catclaw Draw-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM  
Section 34: S/2

TOWNSHIP 21 SOUTH, RANGE 25 EAST, NMPM  
Section 2: Lots 1 through 8

(r) EXTEND the Chaveroo-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM  
Section 34: NE/4

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM  
Section 3: SW/4

- (a) EXTEND the Cinta Roja-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 35 EAST, NMPM  
Section 4: All

- (c) EXTEND the South Corbin-Strawn Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM  
Section 29: N/2  
Section 30: N/2

- (u) EXTEND the South Corbin-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM  
Section 28: W/2

- (v) EXTEND the Crooked Creek-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 24 EAST, NMPM  
Section 8: S/2

- (w) EXTEND the South Empire-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM  
Section 17: All

- (x) EXTEND the East Grama Ridge-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 34 EAST, NMPM  
Section 12: W/2

- (y) EXTEND the Hat Mesa-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 32 EAST, NMPM  
Section 10: W/2

- (z) EXTEND the Henshaw Queen-Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM  
Section 11: SW/4 SW/4  
Section 14: S/2 and W/2 NW/4  
Section 15: E/2 SE/4

- (aa) EXTEND the Hobbs-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM  
Section 4: SE/4

- (bb) EXTEND the Indian Flats-Delaware Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM  
Section 2: N/2 NE/4

- (cc) EXTEND the South Kemnitz Atoka-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM  
Section 29: W/2

- (dd) EXTEND the Logan Draw-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM  
Section 19: N/2 NE/4 and SE/4 NE/4

- (ee) EXTEND the Middle Lynch Yates-Seven Rivers Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM  
Section 21: E/2 SW/4



(ff) EXTEND the Penasco Draw San Andres-Yaso Associated Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM  
Section 31: SW/4

(gg) EXTEND the East Red Lake Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM  
Section 25: S/2 S/2  
Section 26: S/2 SE/4 and SE/4 SW/4  
Section 36: N/2 NW/4

(hh) EXTEND the North Shugart-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM  
Section 17: S/2

(ii) EXTEND the Tomahawk-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM  
Section 25: SE/4

(jj) EXTEND the Turkey Track Seven Rivers-Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM  
Section 9: E/2 NE/4

(kk) EXTEND the North Vacuum-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM  
Section 17: NW/4

(ll) EXTEND the Winchester-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM  
Section 3: All

(mm) EXTEND the Winchester-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM  
Section 30: W/2

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Docket No. 18-80

DOCKET: EXAMINER HEARING - THURSDAY - JUNE 19, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,  
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

- ALLOWABLE:
- (1) Consideration of the allowable production of gas for July, 1980, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
  - (2) Consideration of the allowable production of gas for July, 1980, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

A F F I D A V I T

Cases 6906  
and  
6907

I, RHONDA N. WISDOM, CERTIFY THAT ON MAY 15, 1980, I MAILED A COPY OF REQUESTS FOR HEARING AND APPLICATIONS FOR MULTIPLE COMPLETION ON THE SOUTH MATTIX UNIT FEDERAL WELL NO. 39, FOWLER (UPPER YESO) & (DRINKARD) OIL ZONES, LEA COUNTY, NEW MEXICO, AND THE MYERS "B" FEDERAL R/A "A" WELL NO. 28, JALMAT YATES & LANGLIE MATTIX QUEEN POOLS, LEA COUNTY, NEW MEXICO TO EACH PARTY ON THE ATTACHED ADDRESS LISTS.

Rhonda N. Wisdom  
RHONDA N. WISDOM

SUBSCRIBED AND SWORN TO BEFORE ME BY RHONDA N. WISDOM THIS 15TH DAY OF MAY, 1980.

Mary Lou Glick  
NOTARY PUBLIC, IN AND FOR HARRIS  
COUNTY, TEXAS

MARY LOU GLICK  
Notary Public in Harris County, Texas  
My Commission Expires 9/30/80

OFFSET OPERATORS  
SOUTH MATTIX UNIT WELL NO. 39  
1890' FNL & 2070' FEL, SECTION 15, T-24-S, R-37-E  
LEA COUNTY, NEW MEXICO

Gulf Oil Company  
P. O. Box 1150  
Midland, TX 79702

Exxon Company  
P. O. Box 1600  
Midland, TX 79702

Shell Oil Company  
P. O. Box 2463  
Houston, TX 77001

Conoco, Inc.  
P. O. Box 450  
Hobbs, NM 88240

Arco  
P. O. Box 1710  
Hobbs, NM 88240

Crown Central Petroleum Corporation  
6750 West Loop South  
Houston, TX 77002

LIST OF OFFSET OPERATORS  
Myers "B" Federal RA/A Well No. 28  
330' FSL X 420' FWL, Unit M, Section 9, T-24-S, R-37-E  
Lea County, New Mexico

Gulf Oil Corporation  
P. O. Box 1150  
Midland, TX 79702

Conoco  
P. O. Box 460  
Hobbs, NM 88240

Getty Oil Company  
P. O. Box 730  
Hobbs, NM 88240

Exxon  
P. O. Box 1600  
Midland, TX 79701

Texas Pacific  
P. O. Box 4067  
Midland, TX 79701

Amerada Hess  
P. O. Box 2040  
Tulsa, OK 74102

John Yuronka  
102 Petroleum Bldg.  
Midland, TX 79701



**Amoco Production Company**  
Houston Region  
600 Jefferson Building  
Post Office Box 3092  
Houston, Texas 77001

J. R. Barnett  
Regional Engineering  
Manager

May 15, 1980

Case 6906

File: JCA-986.51NM-2397

Re: Request for Hearing  
Application for Multiple Completion  
South Mattix Unit Fed. Well No. 39  
Fowler(Upper Yeso) & (Drinkard) Oil Zones  
Lea County, New Mexico

Mr. Joe D. Ramey, Director  
State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

Dear Mr. Ramey:

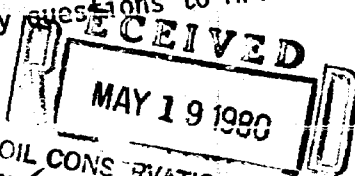
Amoco Production Company respectfully requests a hearing for approval to dually complete (conventional) our South Mattix Unit Federal Well No. 39. Subject well is located 1890' FNL & 2070' FEL, Unit G, Sec. 15, T-24-S, R-37-E, Lea County, New Mexico. Multiple completion will be made in the Fowler Upper Yeso and Fowler Drinkard Oil zones, utilizing two strings of tubing.

Attached is an application for multiple completion, (Form C-107), a well-bore sketch, plat, and a list of offset operators. By copy of this letter, we are notifying all known offset operators of our application, and furnishing them a copy of Form C-107.

This letter confirms telephone request of May 12, 1980 verbally requesting the Division place this item on the Examiner's Hearing Docket of June 4, 1980. Please direct any questions to Mr. Jim Allen, telephone (713) 652-5497.

Very truly yours,

*J. R. Barnett*  
JCA/rw  
cc: Offset Operators (See Attached List)  
Attachments



NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION

Form C-107  
5-1-61

Case 6906

Operator <b>Amoco Production Company</b>		County <b>Lea</b>	Date <b>5-15-80</b>
Address <b>P. O. 3092, Houston, TX 77001</b>		Lease <b>South Mattix Unit</b>	Well No. <b>39</b>
Location of Well <b>G</b>	Unit <b>15</b>	Township <b>24-S</b>	Range <b>37-E</b>

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

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<b>Fowler Upper Yeso</b>		<b>Fowler Drinkard</b>
b. Top and Bottom of Pay Section (Perforations)	<b>5,117' - 5,638'</b>		<b>6,130' - 6,322'</b>
c. Type of production (Oil or Gas)	<b>Oil</b>		<b>Oil</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Flowing</b>		<b>Flowing</b>

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and 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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	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.
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<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.

**Gulf Oil Company -- P. O. Box 1150, Midland, TX 79702**

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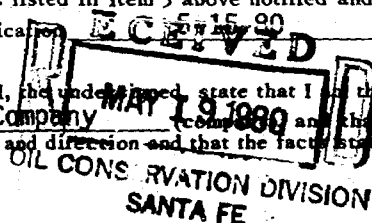
**Conoco, Inc. -- P. O. Box 460, Hobbs, NM 88240**

**ARCO -- P. O. Box 1710, Hobbs, NM 88240**

**Crown Central Petroleum -- 6750 West Loop South, Houston, TX 77002**

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO \_\_\_\_\_. If answer is yes, give date of such notification \_\_\_\_\_

CERTIFICATE: I, the undersigned, state that I am the Sr. Petroleum Engr. Supr. of the **Amoco Production 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.



*James C. Allen*  
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 multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.



Amoco Production Company

ENGINEERING CHART

SUBJECT SOUTH MATTIX UNIT No. 39

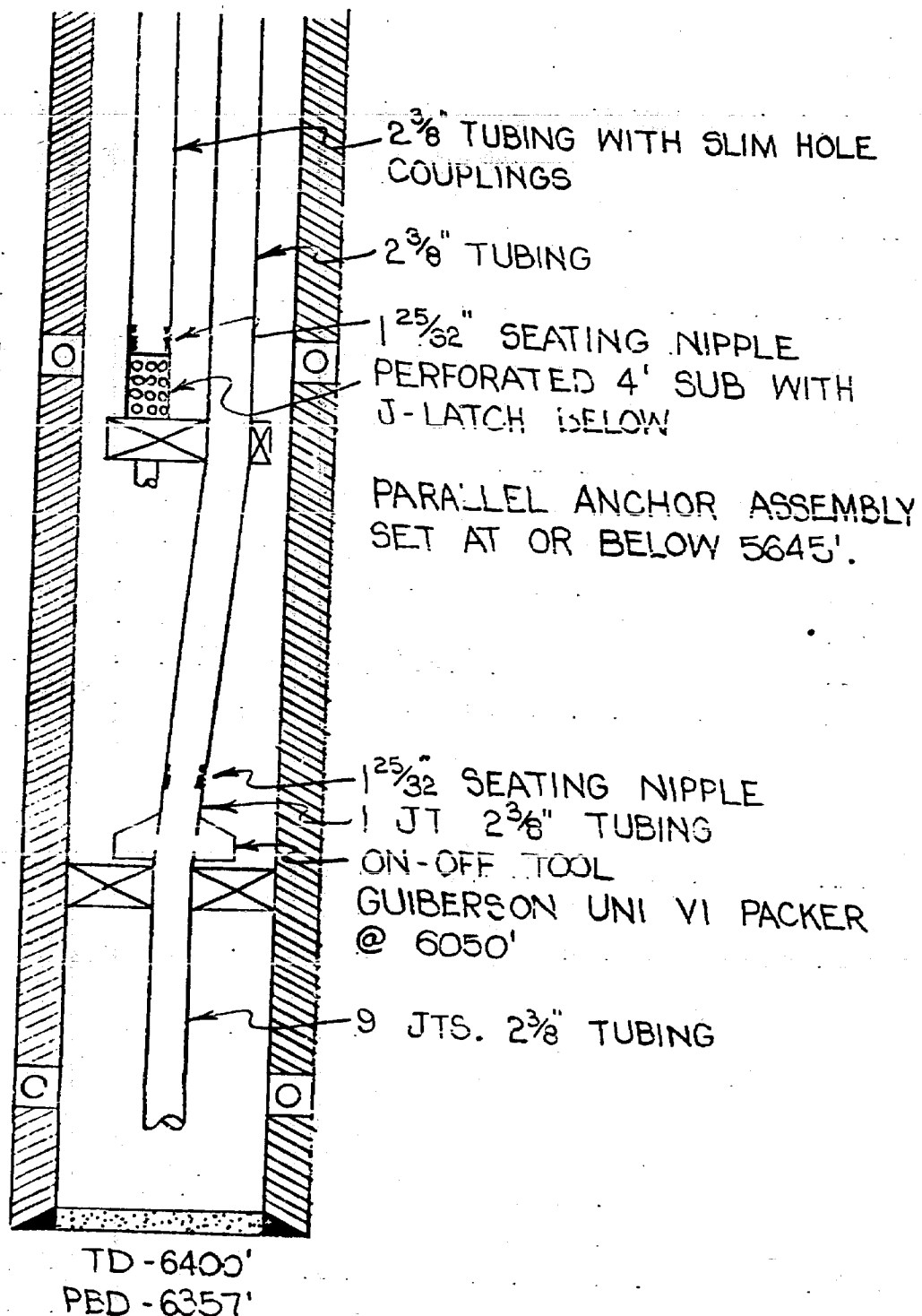
DUAL COMPLETION

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
FILE \_\_\_\_\_  
APPN \_\_\_\_\_  
DATE 4-22-80  
BY R.W.

UPPER YESO  
PERFS: 5117'-5638'

DRINKARD  
PERFS: 6130'-6322'

7" CSA. 6400'  
23" & 26"



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

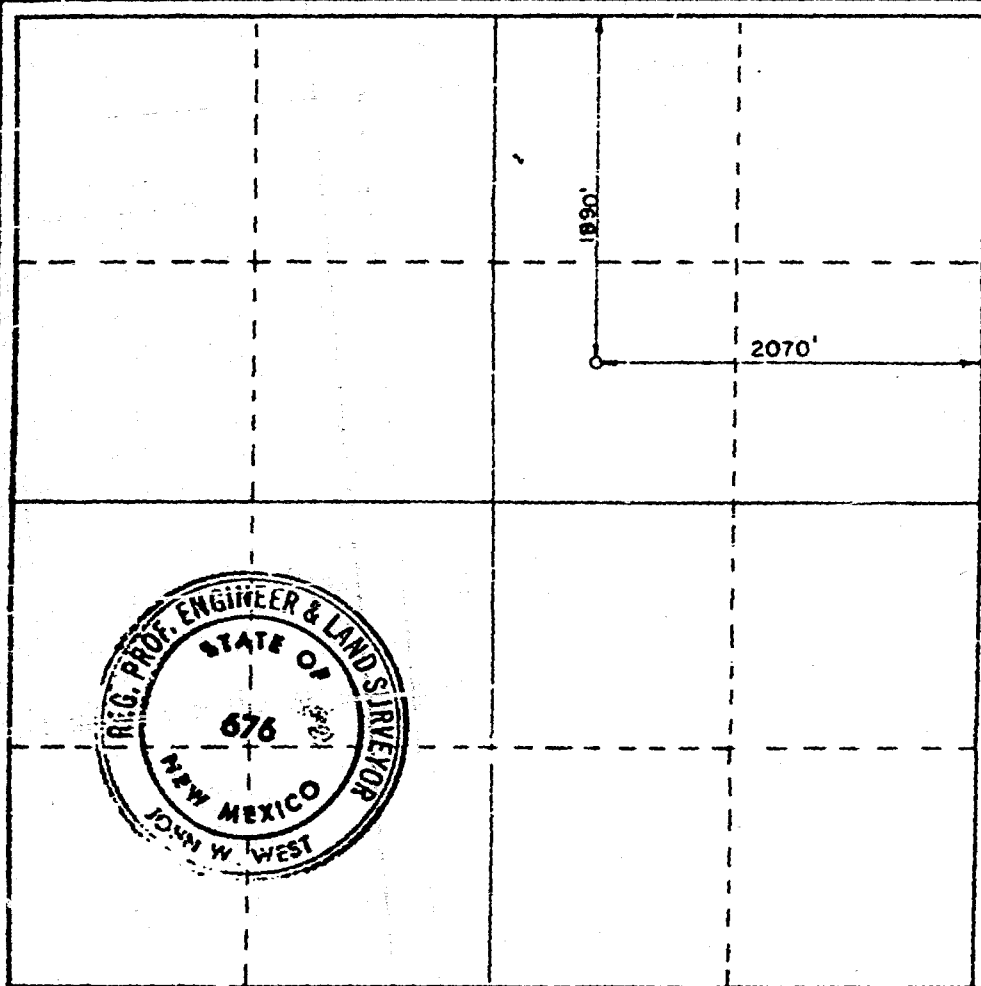
Operator <b>AMOCO PRODUCTION CO.</b>		Lease <b>South Mattix Unit</b>		Well No. <b>39</b>
Unit Letter <b>G</b>	Section <b>15</b>	Township <b>24 South</b>	Range <b>37 East</b>	County <b>Len</b>
Actual Footage Location of Well: <b>1890</b> feet from the <b>North</b> line and <b>2070</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3243.1</b>	Producing Formation	Pool	Dedicated Acreage: <b>Acres</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name \_\_\_\_\_

Position \_\_\_\_\_

Company \_\_\_\_\_

Date \_\_\_\_\_

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

**October 18, 1979**

Registered Professional Engineer and Land Surveyor

*John W. West*

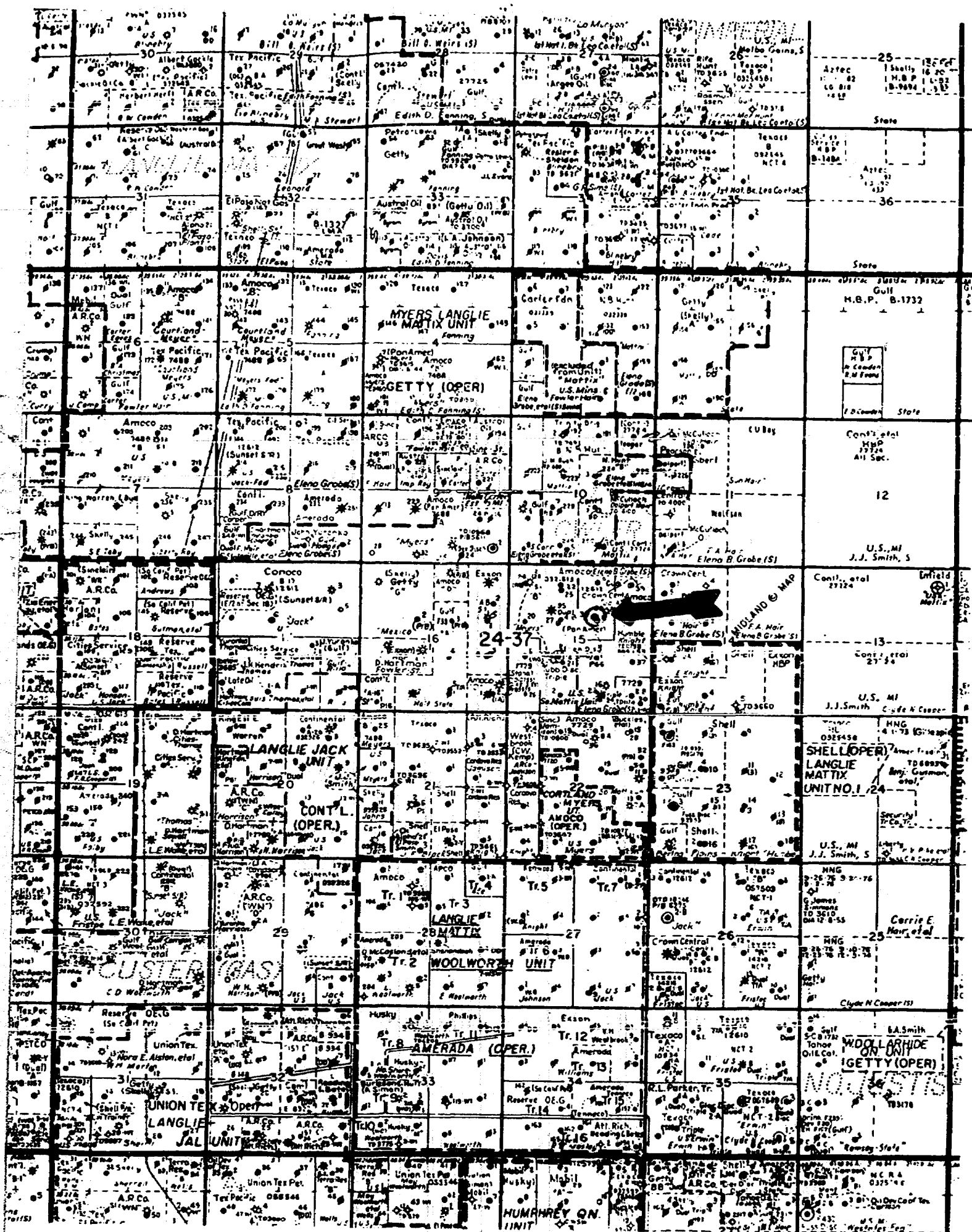
Certificate No. **John W. West**

**676**

**Ronald J. Edson**

**239**





OFFSET OPERATORS  
SOUTH MATTIX UNIT WELL NO. 39  
1890' FNL & 2070' FEL, SECTION 15, T-24-S, R-37-E  
LEA COUNTY, NEW MEXICO

Gulf Oil Company  
P. O. Box 1150  
Midland, TX 79702

Exxon Company  
P. O. Box 1600  
Midland, TX 79702

Shell Oil Company  
P. O. Box 2463  
Houston, TX 77001

Conoco, Inc.  
P. O. Box 460  
Hobbs, NM 88240

Arco  
P. O. Box 1710  
Hobbs, NM 88240

Crown Central Petroleum Corporation  
6750 West Loop South  
Houston, TX 77002



**Amoco Production Company**

Houston Region  
600 Jefferson Building  
Post Office Box 3092  
Houston, Texas 77001

J. R. Barnett  
Regional Engineering  
Manager

May 15, 1980

File: JCA-986.51NM-2397

*Case 6906*

Re: Request for Hearing  
Application for Multiple Completion  
South Mattix Unit Fed. Well No. 39  
Fowler(Upper Yeso) & (Drinkard) Oil Zones  
Lea County, New Mexico

Mr. Joe D. Ramey, Director  
State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

Dear Mr. Ramey:

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This letter confirms telephone request of May 12, 1980 verbally requesting the Division place this item on the Examiner's Hearing Docket of June 4, 1980. Please direct any questions to Mr. Jim Allen, telephone (713) 652-5497.

Very truly yours,

JCA/rw

cc: Offset Operators (See Attached List)  
Attachments



J. R. Barnett  
Regional Engineering  
Manager

May 15, 1980

File: JCA-986.51NM-2397

Re: Request for Hearing  
Application for Multiple Completion  
South Mattix Unit Fed. Well No. 39  
Fowler(Upper Yeso) & (Drinkard) Oil Zones  
Lea County, New Mexico

Case 6906

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State of New Mexico  
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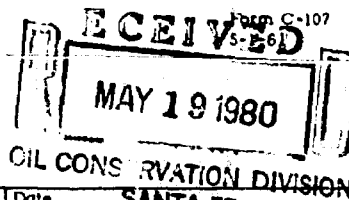
JCA/rw

cc: Offset Operators (See Attached List)  
Attachments

Amoco Production Company

Houston Region  
500 Jefferson Building  
Post Office Box 3092  
Houston, Texas 77001

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION



Operator <b>Amoco Production Company</b>		County <b>Lea</b>	Date <b>5-15-80</b>
Address <b>P. O. 3092, Houston, TX 77001</b>		Lease <b>South Mattix Unit</b>	Well No. <b>39</b>
Location of Well <b>G</b>	Unit <b>15</b>	Township <b>24-S</b>	Range <b>37-E</b>

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

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
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b. Top and Bottom of Pay Section (Perforations)	<b>5,117' - 5,638'</b>		<b>6,130' - 6,322'</b>
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d. Method of Production (Flowing or Artificial Lift)	<b>Flowing</b>		<b>Flowing</b>

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and 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.
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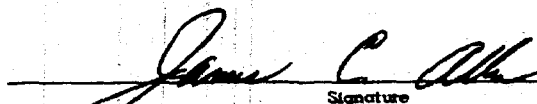
**Conoco, Inc. -- P. O. Box 460, Hobbs, NM 88240**

**ARCO -- P. O. Box 1710, Hobbs, NM 88240**

**Crown Central Petroleum -- 6750 West Loop South, Houston, TX 77002**

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO \_\_\_\_\_. If answer is yes, give date of such notification **5-15-80**.

CERTIFICATE: I, the undersigned, state that I am the **Sr. Petroleum Engr. Supr.** of the **Amoco Production Company** (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.

  
Signature

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NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.



Amoco Production Company  
ENGINEERING CHART

SHEET NO. OF

FILE

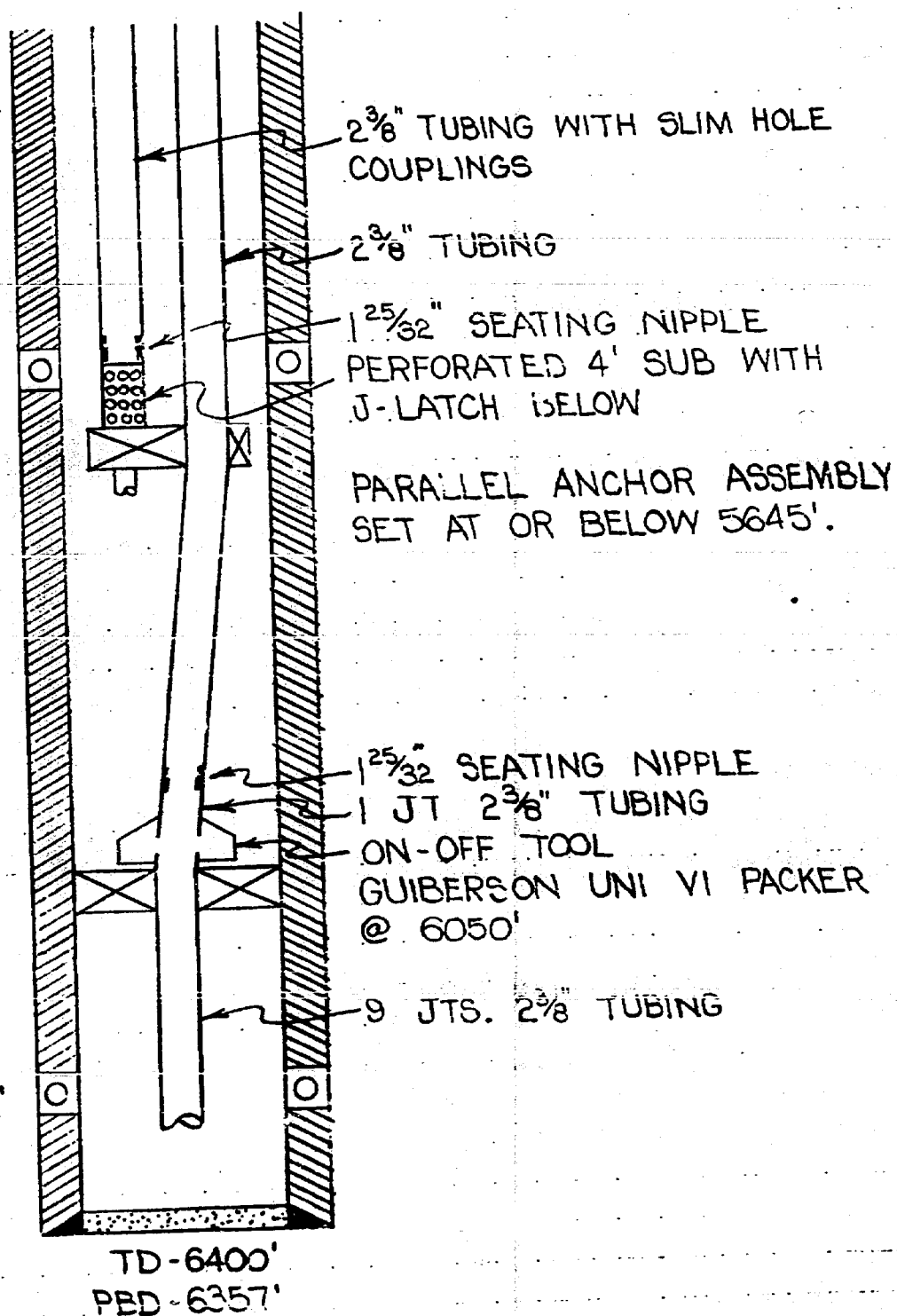
APPN

DATE 4-22-80

BY R.W.

SUBJECT SOUTH MATTIX UNIT No. 39  
DUAL COMPLETION

UPPER YESO  
PERFS: 5117'-5638'



DRINKARD  
PERFS: 6130'-6322'

7" CSA. 6400'  
23" & 26"

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

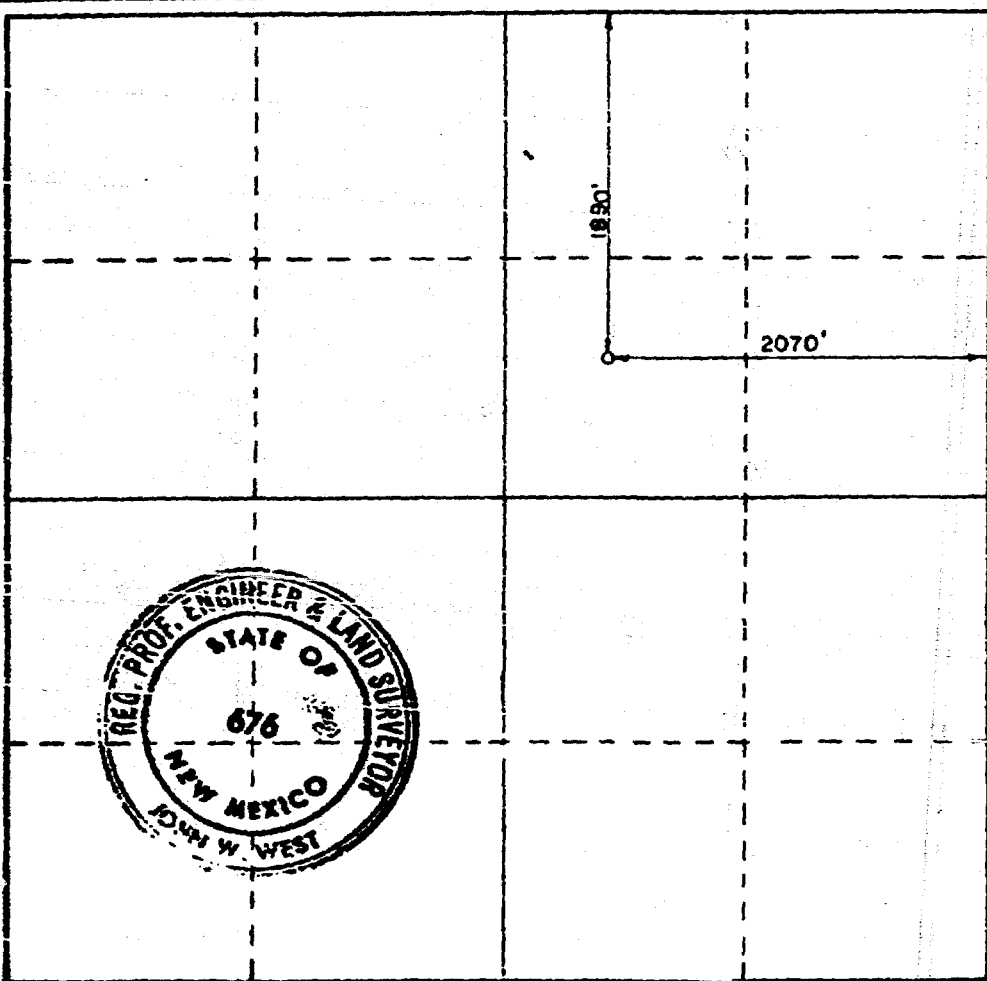
RECEIVED Form C-102  
Supersedes C-128  
Effective 10-65

MAY 19 1980

All distances must be from the outer boundaries of the Section

Operator <b>AMOCO PRODUCTION CO.</b>		Lease <b>South Mattix Unit</b>		Well No. <b>38</b>
Unit Letter <b>G</b>	Section <b>15</b>	Township <b>24 South</b>	Range <b>37 East</b>	County <b>SANTA FE</b>
Actual Footage Location of Well: <b>1890</b> feet from the <b>North</b> line and <b>2070</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3243.1</b>	Producing Formation	Pool	Dedicated Acreage: Acres	

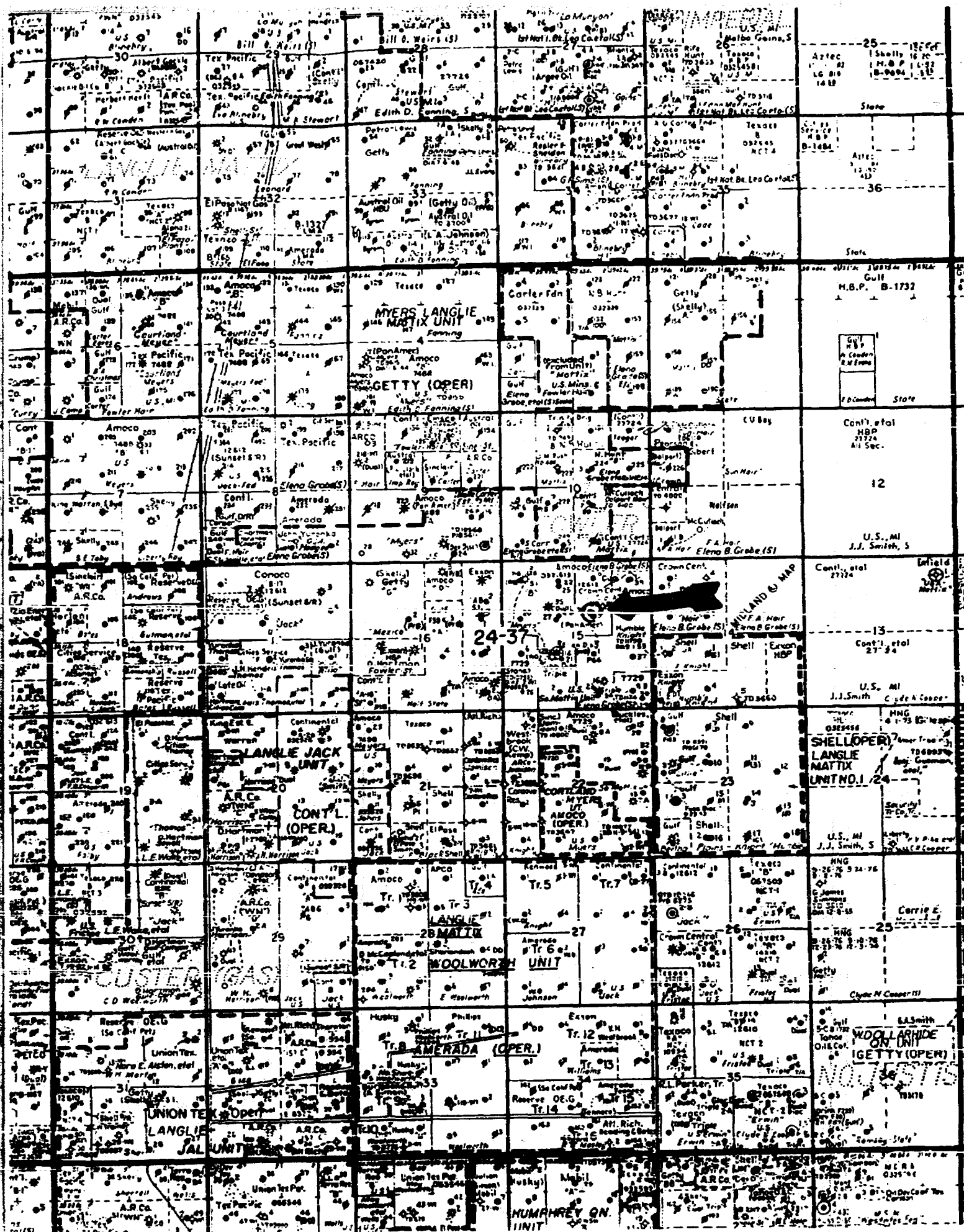
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<b>CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	
Position	
Company	
Date	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	<b>October 18, 1979</b>
Registered Professional Engineer and Land Surveyor	<i>John W. West</i>
Certificate No.	<b>John W. West 676</b>
	<b>Ronald J. Eidson 3239</b>









OFFSET OPERATORS  
SOUTH MATTIX UNIT WELL NO. 39  
1890' FNL & 2070' FEL, SECTION 15, T-24-S, R-37-E  
LEA COUNTY, NEW MEXICO

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P. O. Box 1150  
Midland, TX 79702

Exxon Company  
P. O. Box 1600  
Midland, TX 79702

Shell Oil Company  
P. O. Box 2463  
Houston, TX 77001

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P. O. Box 460  
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Arco  
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Hobbs, NM 88240

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6750 West Loop South  
Houston, TX 77002



**Amoco Production Company**

Houston Region  
600 Jefferson Building  
Post Office Box 3092  
Houston, Texas 77001

J. R. Barnett  
Regional Engineering  
Manager

May 15, 1980

File: JCA-986.51NM-2397

*Case 6906*

Re: Request for Hearing  
Application for Multiple Completion  
South Mattix Unit Fed. Well No. 39  
Fowler(Upper Yeso) & (Drinkard) Oil Zones  
Lea County, New Mexico

Mr. Joe D. Ramey, Director  
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Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
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JCA/rw

cc: Offset Operators (See Attached List)  
Attachments

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
APPLICATION FOR MULTIPLE COMPLETION

Form C-107

RECEIVED

MAY 19 1980

OIL CONSERVATION DIVISION  
SANTA FE

Operator <b>Amoco Production Company</b>		County <b>Lea</b>	Date <b>5-15-80</b>
Address <b>P. O. 3092, Houston, TX 77001</b>		Lease <b>South Mattix Unit</b>	Well No. <b>39</b>
Location of Well <b>G</b>	Unit <b>15</b>	Township <b>24-S</b>	Range <b>37-E</b>

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ENGINEERING CHART

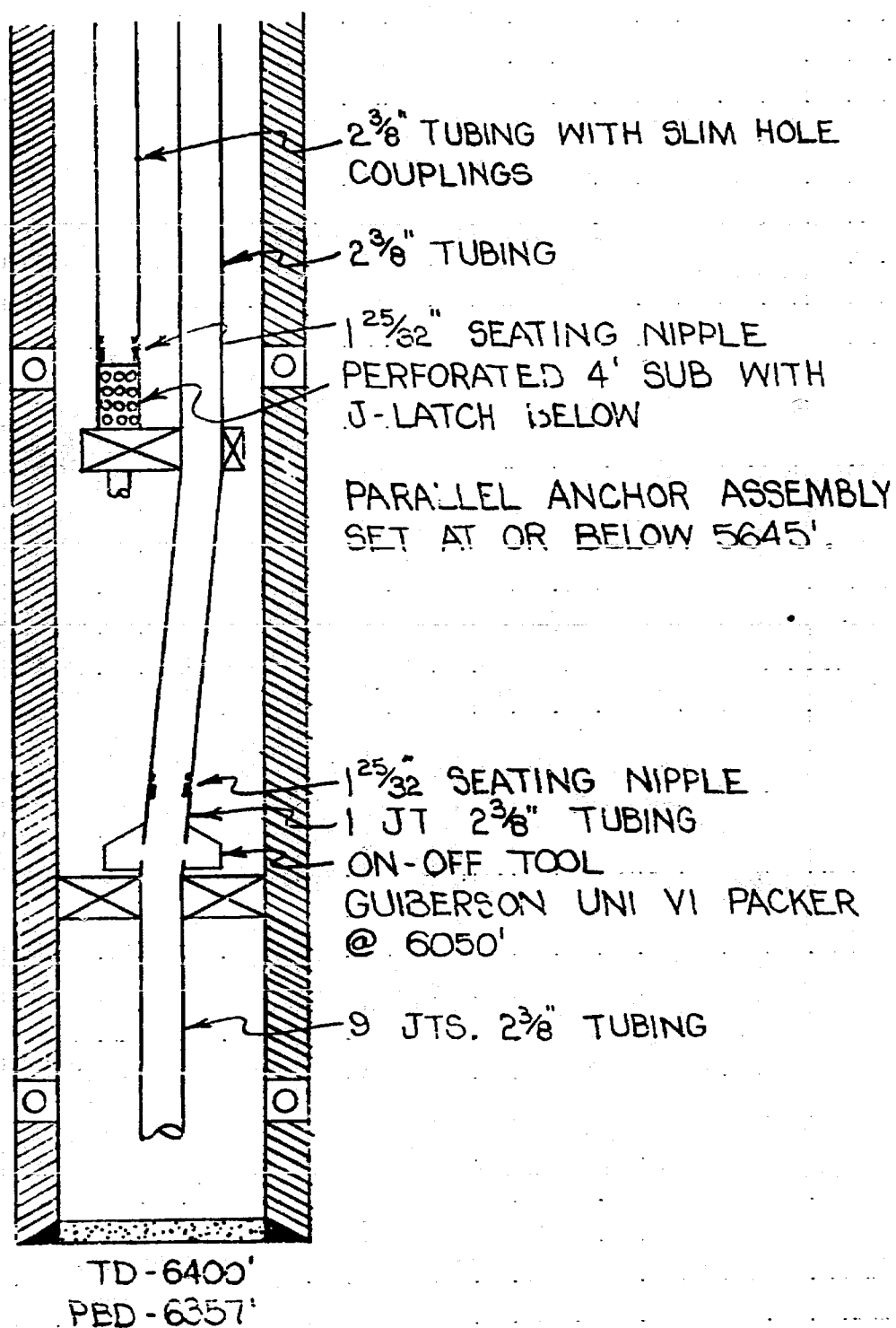
SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
FILE \_\_\_\_\_  
APPN \_\_\_\_\_  
DATE 4-22-80  
BY R.W.

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DUAL COMPLETION

UPPER YESO  
PERFS: 5117'-5638'

DRINKARD  
PERFS: 6130'-6322'

7" CSA 6400'  
23" & 26"



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Replaces C-128  
Effective 1-1-65  
**RECEIVED**  
**MAY 19 1980**  
OIL CONSERVATION DIVISION  
SANTA FE

All distances must be from the outer boundaries of the Section

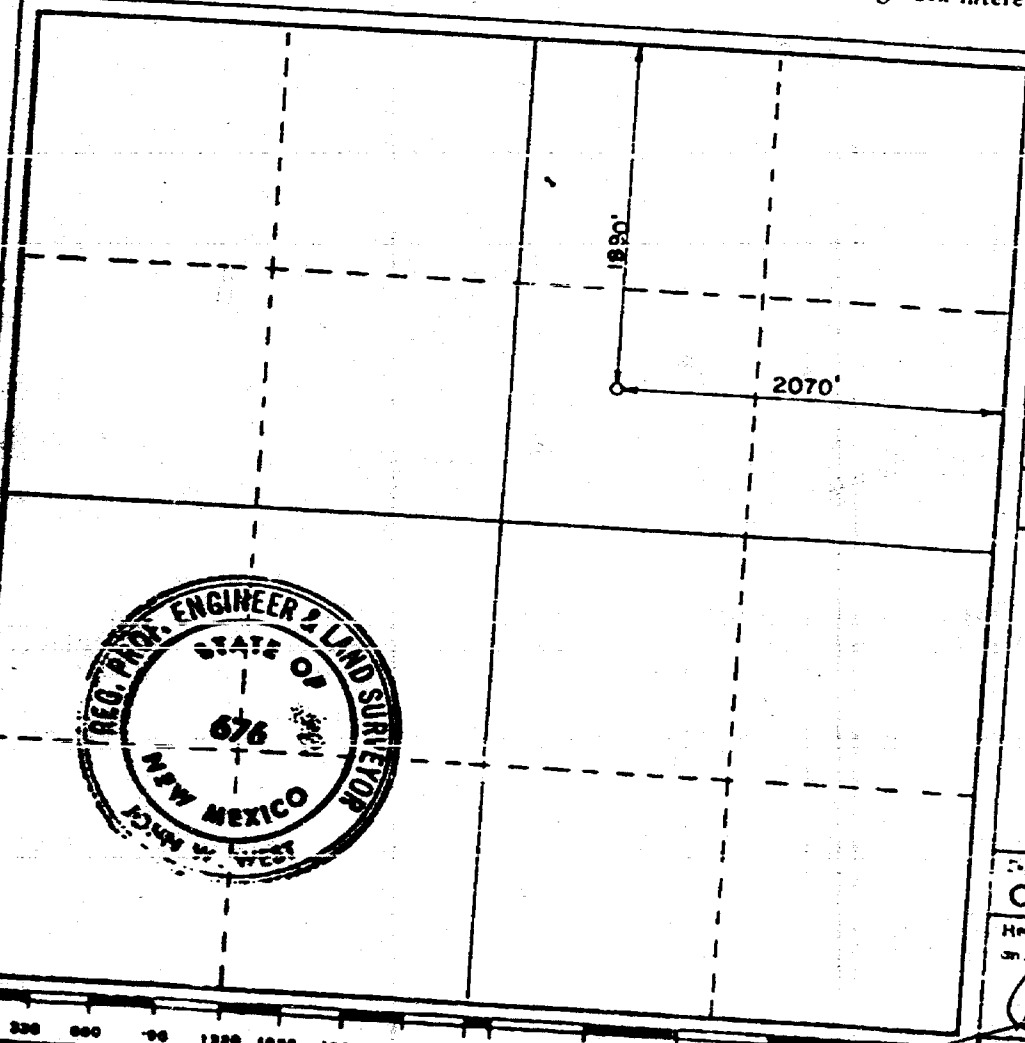
Operator <b>AMOCO PRODUCTION CO.</b>		Lease <b>South Mattix Unit</b>	
Unit Letter <b>G</b>	Section <b>15</b>	Township <b>24 South</b>	Range <b>37 East</b>
Actual Footage Location of Well: <b>1890</b>		County <b>Lea</b>	
Ground Level Elev. <b>3243.1</b>	Producing Formation	Pool	line
feet from the <b>North</b> line and <b>2070</b>		feet from the <b>East</b> line	
Dedicated Acreage:		Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



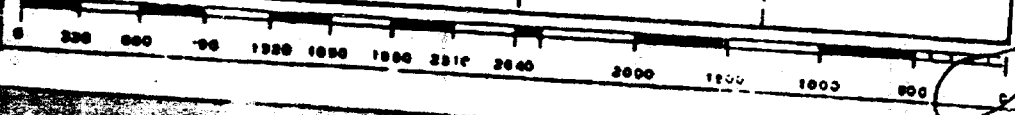
CERTIFICATION

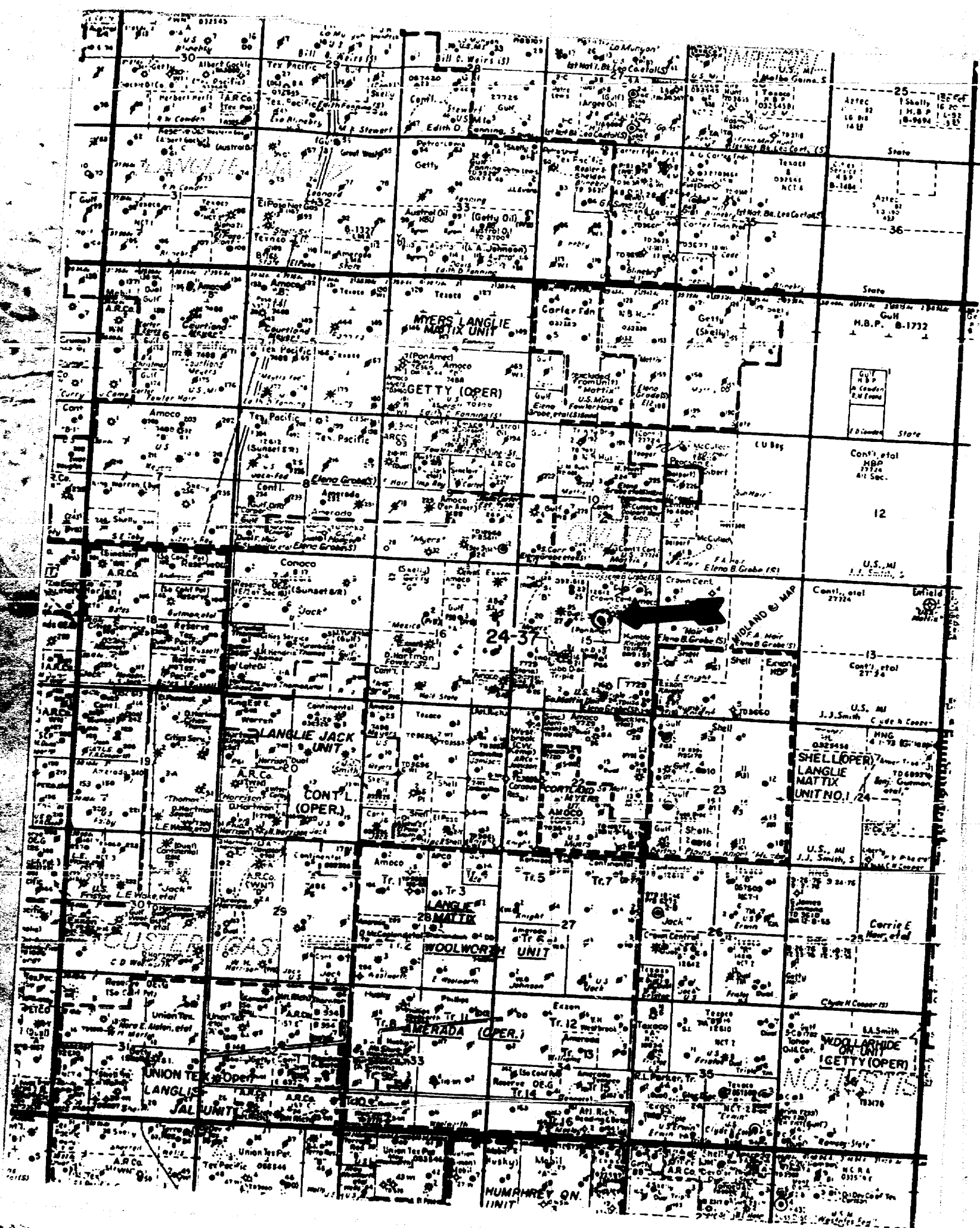
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Position
Company
Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed <b>October 18, 1979</b>
Registered Professional Engineer and Land Surveyor <i>John W. West</i>
Certificate No. <b>John W. West 676</b> <b>Ronald J. Egan 3239</b>







OFFSET OPERATORS  
SOUTH MATTIX UNIT WELL NO. 39  
1890' FNL & 2070' FEL, SECTION 15, T-24-S, R-37-E  
LEA COUNTY, NEW MEXICO

Gulf Oil Company  
P. O. Box 1150  
Midland, TX 79702

Exxon Company  
P. O. Box 1600  
Midland, TX 79702

Shell Oil Company  
P. O. Box 2463  
Houston, TX 77001

Conoco, Inc.  
P. O. Box 460  
Hobbs, NM 88240

Arco  
P. O. Box 1710  
Hobbs, NM 88240

Crown Central Petroleum Corporation  
6750 West Loop South  
Houston, TX 77002

Called in by Jim Allen  
5/12/80

Amoco Production Company  
Dual Completion (conventional)

South Mattix Unit Fed. # 39-G  
15-245-37E

Oil from Fowler - Upper Yaso  
Fowler - Hrinkard  
thru parallel strings

R60 35  
Lance, Mattix  
Fowler Upper Yaso  
Fowler Upper Yaso  
Fowler Drake  
12 6260



ROUGH

dr/

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 6906

Order No. R- 6372

APPLICATION OF AMOCO PRODUCTION COMPANY  
FOR A DUAL COMPLETION, LEA  
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on  
June 4, 19 80, at Santa Fe, New Mexico, before  
Examiner Daniel S. Nutter.

NOW, on this \_\_\_\_\_ day of June, 19 80, the  
Division Director, having considered the testimony, the record,  
and the recommendations of the Examiner, and being fully advised  
in the premises,

FINDS:

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

(2) That the applicant, Amoco Production Company,  
seeks authority to complete its South Mattix Unit  
Well No. 39, located in Unit G of Section 15, Town-  
ship 24 South, Range 37 East, NMPM, Lea  
County, New Mexico, as a dual completion (conventional) to  
- (combination) -  
- (tubingless) -

oil  
produce ~~xxx~~ from the Fowler-Upper Yeso and Fowler-Drinkard Pools  
through parallel strings of tubing <sup>2 7/8 inch</sup> with separation of the zones

to be achieved by means of a packer set at approximately  
6050 feet.

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

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Amoco Production Company, is hereby authorized to complete its South Mattix Unit Well No. 39, located in Unit G of Section 15, Township 24 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) ~~---(combination)---~~ ~~---(tubingless)---~~

oil  
to produce ~~gas~~ from the Fowler-Upper Yeso and Fowler-Drinkard Pools through parallel strings of tubing with a packer at approximately 6050 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Fowler-Drinkard Pool.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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