

CASE 7213: EXXON COMPANY USA FOR A
DUAL COMPLETION AND DOWNHOLE COMMING-
LING, LEA COUNTY, NEW MEXICO

CASE NO.

7213

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,

ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
8 April 1981

EXAMINER HEARING

IN THE MATTER OF:

Application of Exxon Company, USA,
for a dual completion and downhole
commingling, Lea County, New Mexico.

CASE
7213

BEFORE: Richard L. Stamets

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 the Applicant:

Conrad E. Coffield, Esq.
HINKLE, COX, EATON, COFFIELD &
HENSLEY
P. O. Box 3380
Midland, Texas 79701

Mr. Gary Baker, Esq.
EXXON COMPANY, USA
Midland, Texas

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I. N. D. E. X

J. K. LYTTLE

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E X H I B I T S

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MR. STAMETS: Call next Case 7213.

MR. PADILLA: Application of Exxon Company, USA, for a dual completion and downhole commingling, Lea County, New Mexico.

MR. COFFIELD: Conrad Coffield, with the Hinkle Law Firm of Midland, Texas, appearing on behalf of applicant.

Also, Mr. Examiner, I'd like to introduce Exxon's counsel, Gary Baker.

MR. BAKER: Gary Baker, from Exxon in Midland.

MR. STAMETS: I'd like to have the witness stand at this time and be sworn, please.

(Witness sworn.)

J. K. LYTLE

being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. COFFIELD:

Q Mr. Lytle, for the record would you please state your name, address, occupation, and employer?

1
2 A. My name is J. K. Lytle. I live in Mid-
3 land, Texas. I'm employed by Exxon Company, USA, as an
4 engineer.

5 Q. Have you previously testified before
6 the Division as a petroleum engineer?

7 A. Yes, I have.

8 Q. Were your qualifications made a matter
9 of record and accepted by the Division?

10 A. Yes, sir.

11 Q. Are you familiar with Exxon's application
12 in this case?

13 A. Yes, I am.

14 Q. And, likewise, are you familiar with
15 the property and the well location involved here?

16 A. Yes, sir.

17 MR. COFFIELD: Do you have any questions
18 of the witness?

19 MR. STAMETS: The witness is considered
20 qualified.

21 Q. Mr. Lytle, for the record would you
22 please state what it is that Exxon seeks by this application?

23 A. Exxon seeks authority to downhole com-
24 mingle in the Blinbry and the Tubb zones and to then dually
25 complete between the commingled zones and the Fusselman zone

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2 in its J. L. Greenwood No. 13 Well. This well is located in
3 Unit L of Section 9, Township 22 South, Range 37 East, Lea
4 County, New Mexico.

5 Q Referring to Exhibit One, Mr. Lytle,
6 would you please explain to the Examiner what that represents?

7 A Exhibit One is a plat of the Blinebry-
8 Drinkard-Tubb area, showing the --- by heavy outline, the loca-
9 tion of Exxon's J. L. Greenwood lease, which is the south
10 half of Section 9, 22 South, 37 East.

11 The plat shows the location of all wells
12 on Exxon's Greenwood lease and the location of all wells on
13 offsetting leases. Also, by a circle around Well No. 13, it
14 identifies the well which is the subject of this hearing.

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16 please describe that exhibit?

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18 diagram of the J. L. Greenwood No. 13 Well, showing the --
19 that the well is equipped with 10-3/4 inch surface casing,
20 which is set at 319 feet and cemented to surface. It has
21 7-5/8ths inch intermediate casing, set at 2778 feet, cemented
22 to surface. Also, a string of 5-1/2 inch casing is set at
23 8133 feet, cemented with 716 sacks, and the top of cement is
24 at 2290.

25 The sketch shows the various zones which

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2 have been perforated at one time or another and the history
3 of completion and recompletion of the well. It shows the TD
4 to be 8172 feet. The zones which are -- of the perforated
5 intervals which have not been squeezed off include the Bline-
6 bry zone, which is perforated from 5465 to 5530; the Tubb
7 from 6083 to 6110; and the Fusselman from 7208 to 7224.

8 There is 2-3/8ths inch tubing in the
9 well set in a packer at 7167 feet.

10 Q Mr. Lytle, would you please give the
11 Examiner a brief description of the history of the completion
12 and recompletion of this well?

13 A This well was initially completed in
14 1947 in the Ellenburger and then it was later recompleted as
15 a dual completion in the Blinebry and the Tubb as of January,
16 1964. It has produced as a dual completion to November of
17 1980, at which time we performed a workover and opened up the
18 Fusselman, and at the present time the Fusselman is being
19 produced by pumping. The well was killed prior to the work-
20 over. The Blinebry and the Tubb, we did not resume production
21 on them pending the outcome of this hearing.

22 Q Going now to Exhibit Three, would you
23 please explain that exhibit?

24 A Exhibit Three is a -- there are two
25 sheets stapled together that constitute Exhibit Three. The

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2 first sheet is a production history graph, showing the past
3 three years production history for the Blinebry and the Tubb
4 zones. The plot at the top of the exhibit shows monthly
5 Blinebry gas production as Mcf per month. The next plot coming
6 down the exhibit is the Tubb gas production in Mcf per month,
7 and the plot at the bottom of the exhibit is Tubb oil production
8 in barrels per month.

9 As can be seen on the exhibit, the
10 Blinebry gas zone is -- well, the latest production shown
11 there is in October of 1980, at which time the workover started.
12 It was producing about 4700 Mcf per month.

13 The Tubb zone has become very erratic
14 and the last month shown for that zone was about 700 Mcf per
15 month, and the oil production from the Tubb zone, also very
16 erratic, maybe averages about one barrel per day or 30 barrels
17 per month.

18 The data which is plotted is plotted is
19 also shown on the second page in tabular form, and I would
20 point out at the bottom of the second page it does show the
21 cumulative production as of October, 1980, the cumulative
22 production from the Blinebry zone is about 2.6 Bcf of gas and
23 from the Tubb zone it's about 0.4 Bcf of gas and almost
24 16,000 barrels of oil.

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Mr. Lytle, is there any difference in

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the ownership of the Blinebry and Tubb production?

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A. No, the ownership is common.

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Q. You are aware, I'm sure, of the fact that

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you need to make some sort of allocation of production between

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cate the production on the basis of the total production during

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the first ten months of 1980 from each zone, which would

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amount to 27 percent for the Tubb zone and 73 percent for the

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Blinebry zone as far as the gas is concerned and any liquid

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the benefit of your opinion on the question of the chance of

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migration of hydrocarbons from one formation to another if

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tially depleted. Based on shut-in pressures I estimate the

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bottom hole pressure in the Tubb zone to be in the neighbor-

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hood of 700 pounds and in the Blinebry to be about 425 to

22

450, and it's my opinion that there would be no migration as

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between the zones if commingling is approved.

24

Q. Refer to what we've marked as Exhibit

25

Four now and please explain that exhibit to the Examiner.

1
2 A This is a two-page exhibit, Exhibit Four
3 is a copy of the Commission's Form C-107, which is normally
4 used for administrative processing of multiple completion
5 applications, and I've provided the data as required on the
6 form merely to provide the Commission with the data they nor-
7 mally look at for processing multiple completion.

8 Also, as shown on Item 6, a copy of this
9 form was mailed to the offset operators on April 3rd, and the
10 list of offset operators and their mailing address is shown
11 on the second page of the exhibit.

12 Q Mr. Lytle, and Exhibit Five has been
13 provided to the Examiner. Would you please discuss that ex-
14 hibit?

15 A Exhibit Five is a copy of the log that
16 was run in the Greenwood 13 during the recent workover and by
17 red penciled notations we show on the log the perforated in-
18 tervals for the Blinbry, the Tubb, and the Fusselman.

19 Q What would you say is the compelling
20 reason for the dual completion that you seek in this case?

21 A Well, the Tubb and the Fusselman zones
22 are at best marginal. The current productivity of the Tubb
23 is about -- about 25 Mcf per day with a barrel of oil, no
24 water, and the Fusselman was completed for initial potential
25 of only 8 barrels of oil per day with about 6 Mcf of gas per

1
2 day and 32 barrels of water.

3 In order to produce the small remaining
4 reserves from these zones it is desireable then to commingle
5 the Tubb with the Blinebry and then dual complete with the
6 Fusselman, so that both the Tubb and the Fusselman remaining
7 reserves can be recovered.

8 I estimate the remaining reserves for
9 the Tubb to be approximately 40 million cubic feet of gas and
10 about 800 barrels of oil.

11 And for the Fusselman to be approxi-
12 mately 11,000 barrels of oil.

13 These are reserves that I think would
14 otherwise not be recovered if we're -- if we would be forced
15 to -- if we would have to squeeze off these zones or leave
16 them unproduced. I don't think that we could justify spending
17 money at a later date to go back in and open them up.

18 Q Does Exxon propose to pressure test this,
19 the casing on this well in compliance with statewide regula-
20 tions?

21 A Yes.

22 Q What is the current status of this
23 well?

24 A The proouction has not been restored
25 as of this time in the Blinebry and the Tubb, and it is pro-

1 ducing from the Fusselman.

2 The Blinebry and the Tubb were flowing
3 prior to killing the well for the workover and the Fusselman
4 produces by artificial lift.

5 Q If this application is not granted, Mr.
6 Lytle, what would Exxon propose to do with the well?

7 A I think that we would have to squeeze
8 off the Tubb zone and if not permitted to dual complete, why,
9 then we would blank off the -- or pack off the Fusselman zone.

10 Q Were these exhibits that you've discussed
11 prepared by you or under your supervision?

12 A Yes, sir.

13 Q In your opinion would the approval of
14 this application be in the interest of conservation and the
15 prevention of waste, Mr. Lytle?

16 A Yes.

17 MR. COFFIELD: Mr. Examiner, I move the
18 admission of Exhibits One through Five.

19 MR. STAMETS: These exhibits will be
20 admitted.

21 MR. COFFIELD: And I would respectfully
22 request that this, if we may, when the Examiner is finished
23 with the log, that is the only copy we have, we could have
24 that returned to us at some future time.
25

1
2 MR. STAMETS: The only copy of this log
3 that Exxon has?

4 MR. COFFIELD: Mr. Lytle just corrected
5 me and says we don't need it back.
6

7 CROSS EXAMINATION

8 BY MR. STAMETS:

9 Q Mr. Lytle, was any consideration given
10 to commingling all three zones?

11 A No, not -- not as of the present time.

12 Q Are there any --

13 A It's a possibility.

14 Q Are there any engineering reasons why
15 it should not be done?

16 A Well, the, as I stated, both the Blin-
17 bry and the Tubb will flow, and I would feel they would flow
18 through the tubing-casing annulus, and we do have to pump
19 the Fusselman, and probably before the well is finally aban-
20 doned, we may be back asking to commingle all three of them.

21 Q Okay, maybe it wasn't the quickest way
22 to handle this.

23 One of the things that kind of concerns
24 me is on Exhibit Three, the Tubb liquids, which seem to be
25 very, very uniform through 1978-1979, and then something

1
2 appears to happen and production is very erratic or non-existent
3 at that time.

4 Is there any reason for that, mechanical
5 reason?

6 A Well, I would note for you that where
7 it appears uniform it's only averaging 2 barrels a day and
8 the well is flowing from that zone and it probably just doesn't
9 flow the liquids.

10 Q And it's currently flowing up the tubing?

11 A Yes.

12 Q Or previously was flowing up the tubing.

13 A Yes.

14 Q And the production up the annular space
15 between the tubing and the casing will be even less efficient
16 than -- as far as your liquid recovery, than what you have now,
17 isn't that correct?

18 A Probably so.

19 Q Do you feel --

20 A We're talking about a very small volume
21 of liquids.

22 Q Has this, all this equipment been set
23 in this hole already?

24 A Yes, sir.

25 Q What kind of pressures do you have in

1
2 the Fusselman zone?

3 A. We measured a bottom hole pressure. I
4 think it was in the neighborhood of about 1100 pounds. Excuse
5 me a minute.

6 I do have it here somewhere. My memory
7 says it was 1065, but I'd like to confirm that.

8 1065.

9 Q. What was the percentage distribution
10 of the production from the Blinebry and the Tubb?

11 A. 27 to the Tubb and 73 percent to the
12 Blinebry.

13 Q. And then any liquids produced would be
14 credited to the Tubb?

15 A. Yes.

16 MR. STAMETS: Any other questions of
17 the witness? He may be excused.

18 Anything further in this case?

19 We'll take the case under advisement.

20

21 (Hearing concluded.)

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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.

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 7213,
heard by me on 4-8 1981.

Richard L. Hunt Examiner
Oil Conservation Division

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

STATE OF NEW MEXICO
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I N D E X

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Direct Examination by Mr. Coffield

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E X H I B I T S

Applicant Exhibit One, Plat

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Applicant Exhibit Two, Schematic

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Applicant Exhibit Three, Tabulation

6

Applicant Exhibit Four, C-107

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Applicant Exhibit Five, Log

9

1 MR. STAMETS: Call next Case 7213.

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3 Company, USA, for a dual completion and downhole commingling,
4 Lea County, New Mexico.

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6 the Hinkle Law Firm of Midland, Texas, appearing on behalf of
7 applicant.

8 Also, Mr. Examiner, I'd like to intro-
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10 MR. BAKER: Gary Baker, from Exxon in
11 Midland.

12 MR. STAMETS: I'd like to have the wit-
13 ness stand at this time and be sworn, please.

14 (Witness sworn.)

15 J. K. LYTLE
16 being called as a witness and being duly sworn upon his oath,
17 testified as follows, to-wit:

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21 please state your name, address, occupation and employer?
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3 Unit L of Section 9, Township 22 South Range 37 East. Lea
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25 of only 8 barrels of oil per day with about 6 Mcf of gas per

day and 32 barrels of water.

In order to produce the small remaining reserves from these zones it is desireable then to commingle the Tubb with the Blinebry and then dual complete with the Fusselman, so that both the Tubb and the Fusselman remaining reserves can be recovered.

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And for the Fusselman to be approximately 11,000 barrels of oil.

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A Yes.

Q What is the current status of this well?

A The production has not been restored as of this time in the Blinebry and the Tubb. and it is pro-

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3 The Blinebry and the Tubb were flowing
4 prior to killing the well for the workover and the Fusselman
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7 Lytle, what would Exxon propose to do with the well?

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15 this application be in the interest of conservation and the
16 prevention of waste, Mr. Lytle?

17 A Yes.

18 MR. COFFIELD: Mr. Examiner, I move the
19 admission of Exhibits One through Five.

20 MR. STAMETS: These exhibits will be
21 admitted.

22 MR. COFFIELD: And I would respectfully
23 request that this, if we may, when the Examiner is finished
24 with the log, that is the only copy we have, we could have
25 that returned to us at some future time.

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MR. STAMETS: The only copy of this log

that Exxon has?

MR. COFFIELD: Mr. Lytle just corrected

me and says we don't need it back.

CROSS EXAMINATION

BY MR. STAMETS:

Q

Mr. Lytle, was any consideration given

to commingling all three zones?

A.

No, not -- not as of the present time.

Q

Are there any --

A.

It's a possibility.

Q

Are there any engineering reasons why

it should not be done?

A.

Well, the, as I stated, both the Blaine-
bry and the Tubb will flow, and I would feel they would flow
through the tubing-casing annulus, and we do have to pump
the Fusselman, and probably before the well is finally aban-
doned, we may be back asking to commingle all three of them.

Q

Okay, maybe it wasn't the quickest way

to handle this.

One of the things that kind of concerns
me is on Exhibit Three, the Tubb liquids, which seem to be
very, very uniform through 1978-1979, and then something

appears to happen and production is very erratic or non-existent at that time.

Is there any reason for that, mechanical reason?

A Well, I would note for you that where it appears uniform it's only averaging 2 barrels a day and the well is flowing from that zone and it probably just doesn't flow the liquids.

Q And it's currently flowing up the tubing?

A Yes.

Q Or previously was flowing up the tubing.

A Yes.

Q And the production up the annular space between the tubing and the casing will be even less efficient than -- as far as your liquid recovery, than what you have now, isn't that correct?

A Probably so.

Q Do you feel --

A We're talking about a very small volume of liquids.

Q Has this, all this equipment been set in this hole already?

A Yes, sir.

Q What kind of pressures do you have in

1
2 the Fusselman zone?

3 A. We measured a bottom hole pressure. I
4 think it was in the neighborhood of about 1100 pounds. Excuse
5 me a minute.

6 I do have it here somewhere. My memory
7 says it was 1065, but I'd like to confirm that.

8 1065.

9 Q What was the percentage distribution
10 of the production from the Blinebry and the Tubb?

11 A. 27 to the Tubb and 73 percent to the
12 Blinebry.

13 Q And then any liquids produced would be
14 credited to the Tubb?

15 A. Yes.

16 MR. STAMETS: Any other questions of
17 the witness? He may be excused.

18 Anything further in this case?

19 We'll take the case under advisement.
20

21 (Hearing concluded.)
22
23
24
25

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 Conservation 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.

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

_____, Examiner
Oil Conservation Division

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409



BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

April 15, 1981

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(505) 827-2434

Mr. Conrad Coffield
Hinkle, Cox, Eaton, Coffield
& Hensley
Attorneys at Law
P. O. Box 3580
Midland, Texas 79702

Re: CASE NO. 7213
ORDER NO. R-6652

Applicant:

Exxon Company USA

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/fd

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD

Other Gary Baker

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. 7213
Order No. R-6652

APPLICATION OF EXXON COMPANY USA
FOR A DUAL COMPLETION AND DOWNHOLE
COMMINGLING, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on April 6, 1981,
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 14th day of April, 1981, 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, Exxon Company USA, seeks authority
to complete its J. L. Greenwood Well No. 13, located in Unit L
of Section 9, Township 22 South, Range 37 East, NMPM, Lea County,
New Mexico, as a dual completion (conventional) to produce oil
from the Brunson-Fusselman Pool through tubing and commingled
Blinebry and Tubb production through the casing-tubing annulus.

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

(4) That from the Blinebry zone, the subject well is capable
of low marginal production only.

(5) That from the Tubb zone, the subject well is capable of
low marginal production only.

-2-
Case No. 7213
Order No. R-6652

(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Hobbs district office of the Division any time the subject well is shut-in for 7 consecutive days.

(9) That in order to allocate the commingled production to each of the commingled zones in the subject well, 73 percent of the commingled gas production should be allocated to the Blinbry zone, and 27 percent of the commingled gas production and all of the liquids production to the Tubb zone.

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Exxon Company USA, is hereby authorized to complete its J. L. Greenwood Well No. 13, located in Unit L of Section 9, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Brunson-Fusselman Pool through tubing and commingled Blinbry and Tubb production through the casing-tubing annulus, with separation of the Fusselman from the commingled zones to be achieved by means of a packer set at approximately 7167 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 Brunson-Fusselman Pool.

(2) That 73 percent of the commingled gas production shall be allocated to the Blinbry zone and 27 percent of the commingled gas production and all of the liquids production shall be allocated to the Tubb zone.

3-
Case No. 7213
Order No. R-6652

(3) That the operator of the subject well shall immediately notify the Division's Hobbs district office any time the well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) 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 herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

rd/

EXXON COMPANY, U. S. A.
PRODUCTION DEPARTMENT
ANDREWS DISTRICT

B-D-T AREA
LEA COUNTY, NEW MEXICO

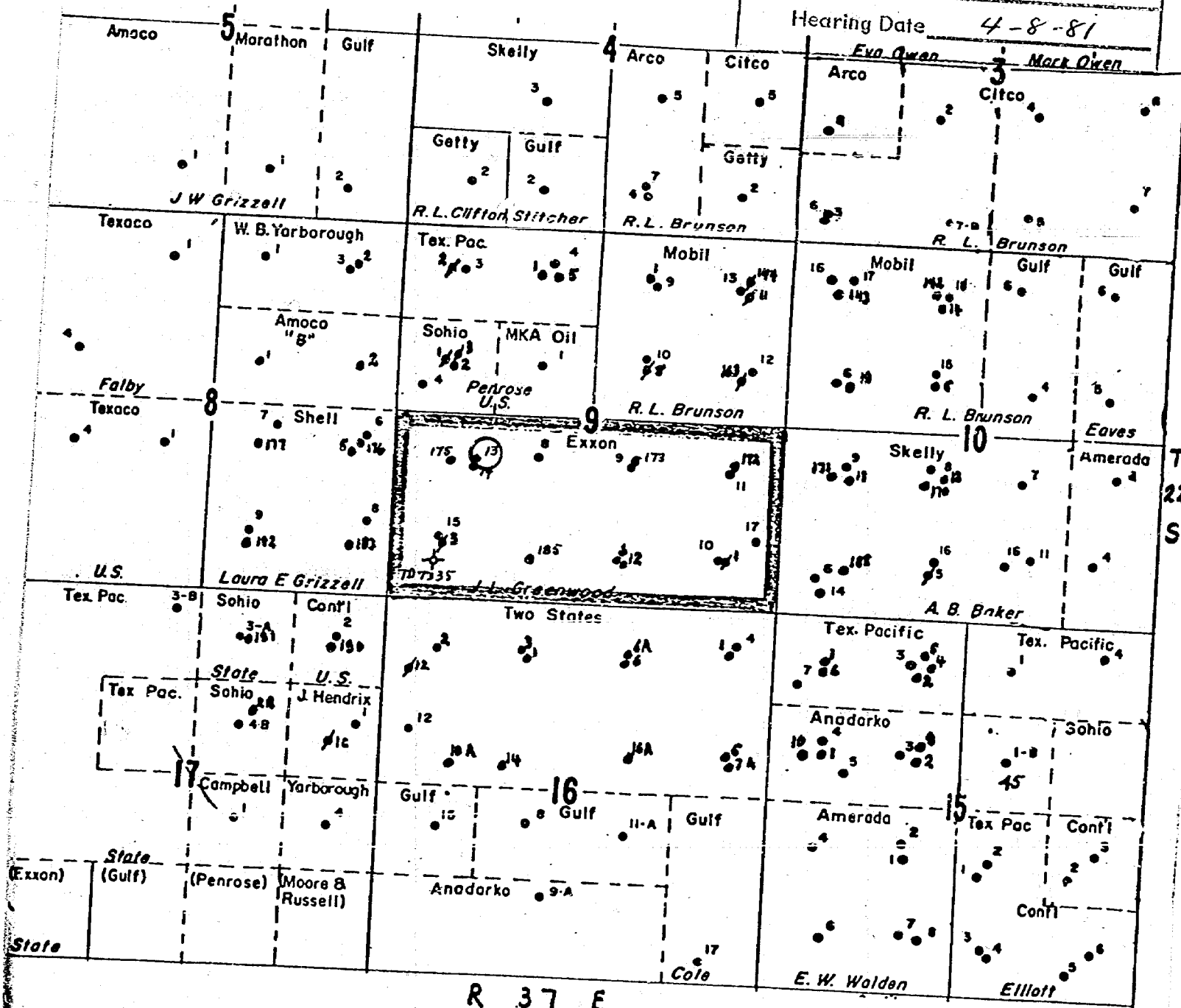
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 1

CASE NO. 7213

Submitted by EXXON

Hearing Date 4-8-81



SCHEMATIC WELLBORE DIAGRAM

J. L. GREENWOOD NO. 13

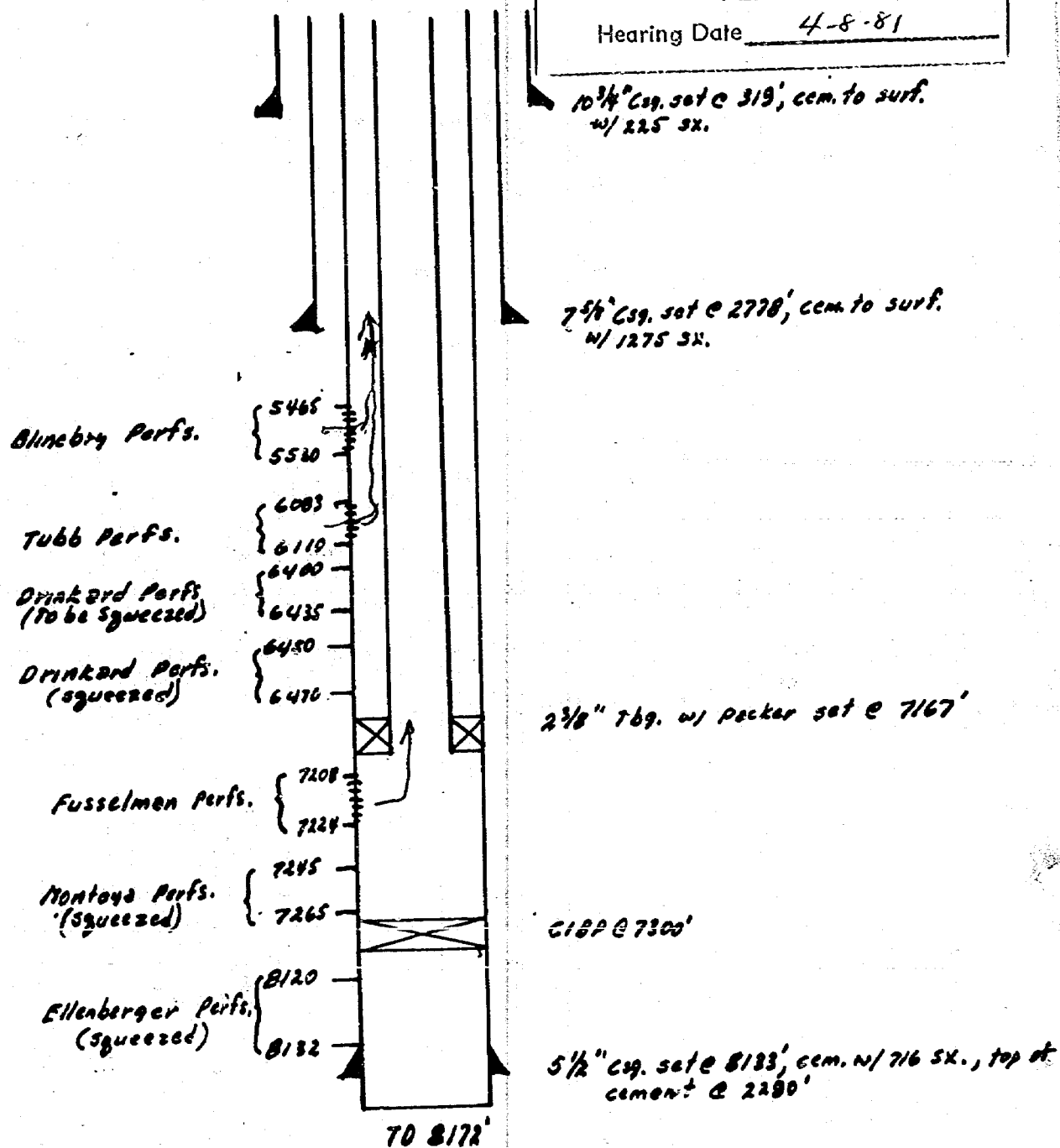
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 2

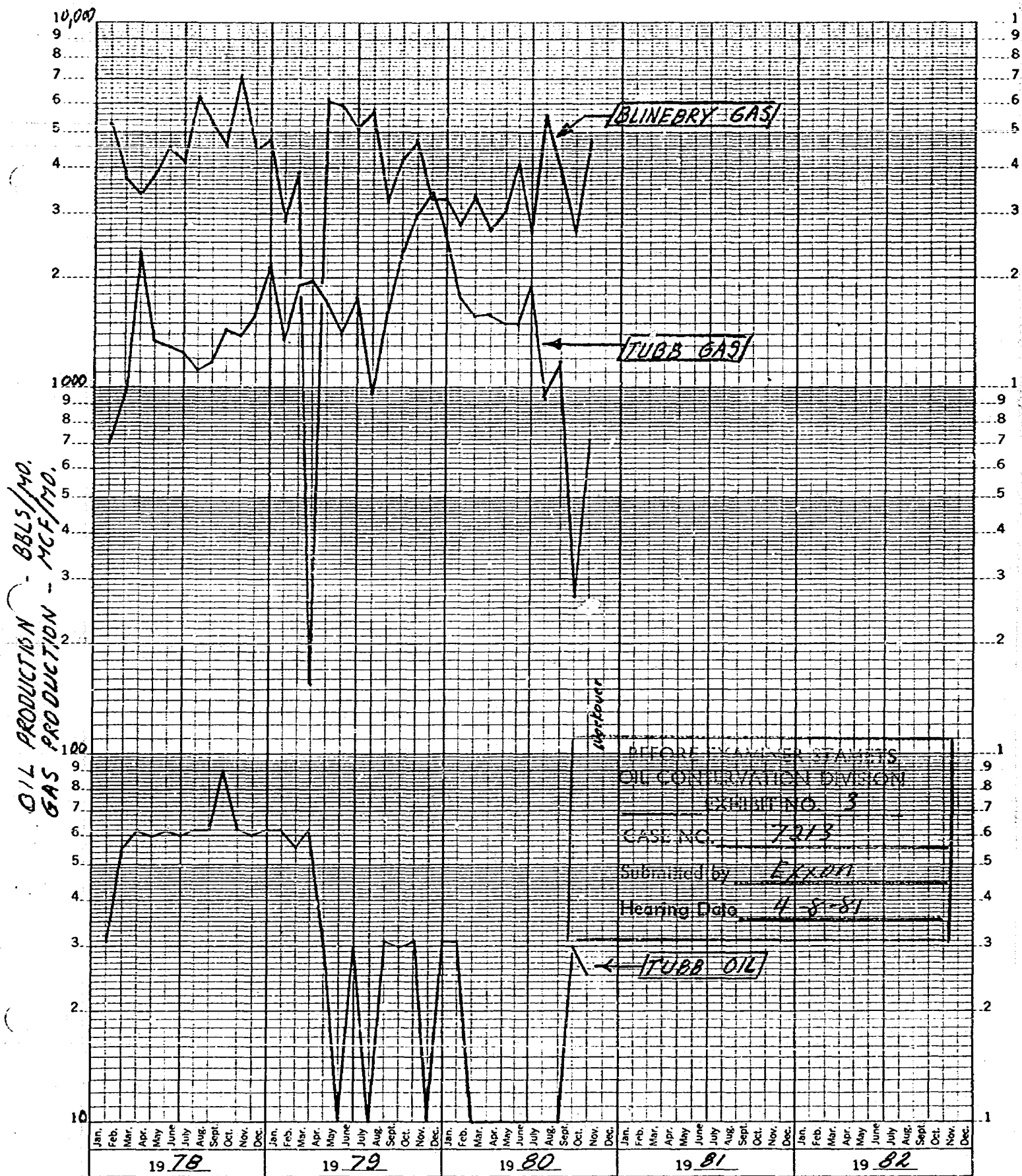
CASE NO. 7213

Submitted by Exxon

Hearing Date 4-8-81



J. L. GREENWOOD NO. 13



J. L. Greenwood #13

3-YEAR PRODUCTION HISTORY

	<u>1978</u>		<u>1979</u>		<u>1980</u>	
	<u>Brinebry</u> (MCF/MO)	<u>Tubb</u> (MCF/MO/BBL/MO)	<u>Brinebry</u> (MCF/MO)	<u>Tubb</u> (MCF/MO/BBL/MO)	<u>Brinebry</u> (MCF/MO)	<u>Tubb</u> (MCF/MO/BBL/MO)
January	5332	713/31	2852	1364/62	2790	1767/31
February	3780	980/56	3920	1932/56	3364	1566/0
March	3810	2356/62	155	1953/62	2697	1581/0
April	3870	1350/60	6090	1710/30	3060	1500/0
May	4557	1302/62	5890	1395/0	4123	1488/0
June	4170	1260/60	5070	1770/30	2640	1890/0
July	6293	1116/62	5704	961/0	5611	230/0
August	5301	1178/62	3255	1612/31	3782	1178/0
September	4590	1440/90	4230	2370/30	2670	270/30
October	7130	1395/62	4743	3007/31	4763	717/25
November	4500	1590/60	3300	3420/0	0	0
December	4774	2139/62	3317	2635/31	0	0
Cumulative (BCF)/(MBO)	2.56	.36/15.3	2.57	.39/15.6	2.60	.39/15.8

JKL:kb
3/6/81

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

Form C-107
5-1-61

Operator Exxon Co., U.S.A.		County Lea	Date April 3, 1981
Address Box 1600, Midland, Texas 79702		Lease J. L. Greenwood	Well No. 13
Location of Well	Unit L	Section 9	Township 22 South
			Range 37 East

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	Blinebry & Tubb		Brunson-Fusselman
b. Top and Bottom of Pay Section (Perforations)	5465 - 6110		7208 - 7224
c. Type of production (Oil or Gas)	Gas		Oil
d. Method of Production (Flowing or Artificial Lift)	Flowing		Art. Lift

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.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.
<input checked="" type="checkbox"/>	<input 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 112A.)

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

See attached list	BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION EXHIBIT NO. <u>4</u> CASE NO. <u>7213</u> Submitted by <u>Exxon</u> Hearing Date <u>4-8-81</u>
-------------------	---

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 April 3, 1981.

CERTIFICATE: I, the undersigned, state that I am Division Staff Engineer for Exxon Co., U.S.A., a Division of Exxon 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.

J. K. Little
Signature

From all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will suspend 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, a request for hearing is received by the Santa Fe office, the application will then be processed.

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

**J. L. GREENWOOD LEASE
OFFSET OPERATORS**

<u>Operator</u>	<u>Mailing Address</u>
Mobil Producing Co., Tex-N.M.	Box 1800, Hobbs, New Mexico 88240
MKA Oil Properties	Box 911, Hobbs, New Mexico 88240
Sohio Natural Resources Co.	Midland Bldg., Cleveland, Ohio 44115
Amoco Production Co.	Box 68, Hobbs, New Mexico 88240
Shell Oil Company	Box 991, Houston, Texas 77001
Conoco, Inc.	Box 460, Hobbs, New Mexico 88240
Two States Oil Co.	Mercantile Commerce Bldg., Dallas, Texas 75201
Texas Pacific Oil Co., Inc.	Box 4067, Midland, Texas 79701
Getty Oil Company	Box 730, Hobbs, New Mexico 88240

EXXON COMPANY, U. S. A.
 PRODUCTION DEPARTMENT ANDREWS DISTRICT

B-D-T AREA
 LEA COUNTY, NEW MEXICO

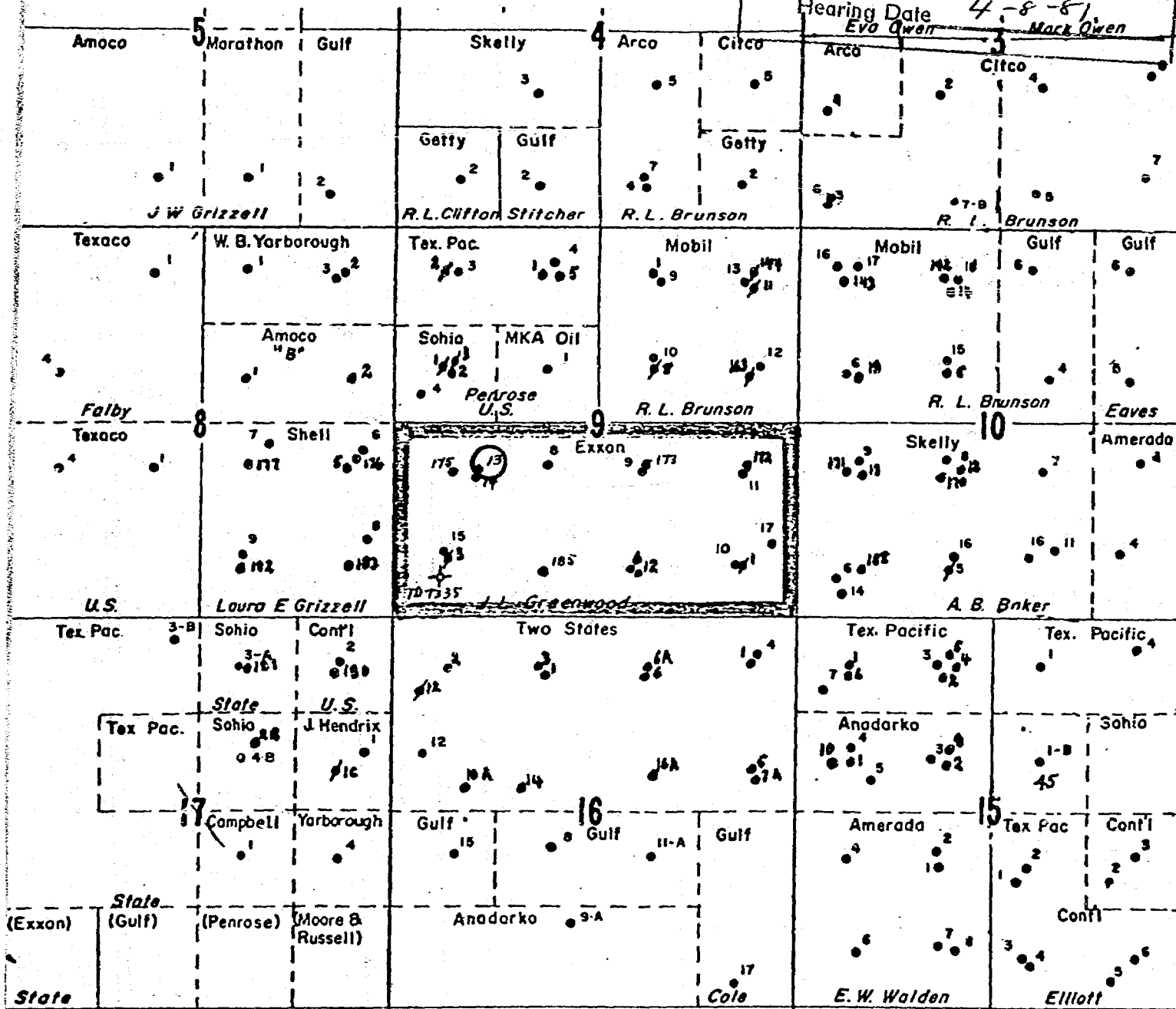
BEFORE EXAMINER STAMETS
 OIL CONSERVATION DIVISION

EXHIBIT NO. 1

CASE NO. 7213

Submitted by Exxon

Hearing Date 4-8-81
Eva Owen Mark Owen



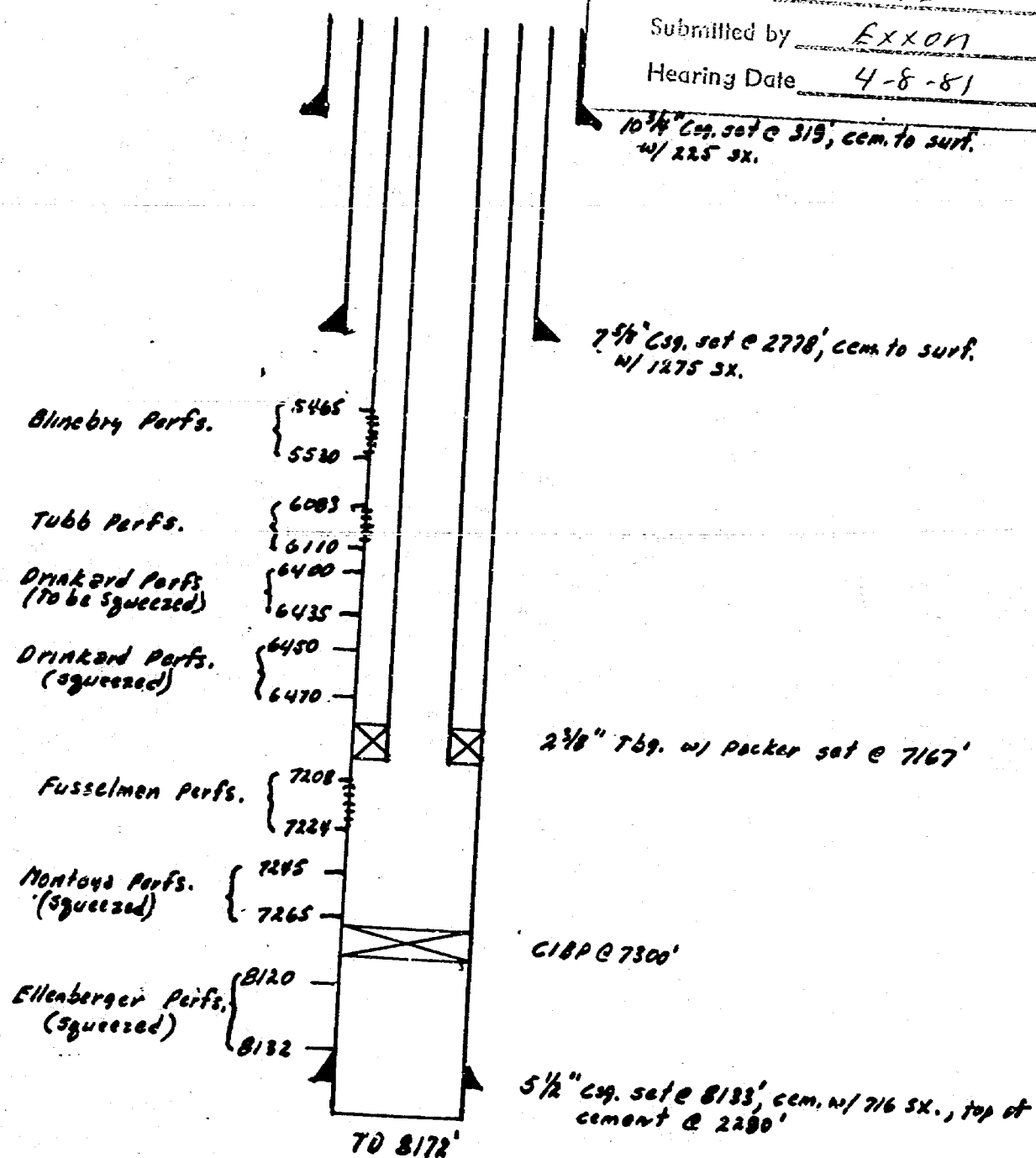
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SCHEMATIC WELLBORE DIAGRAM

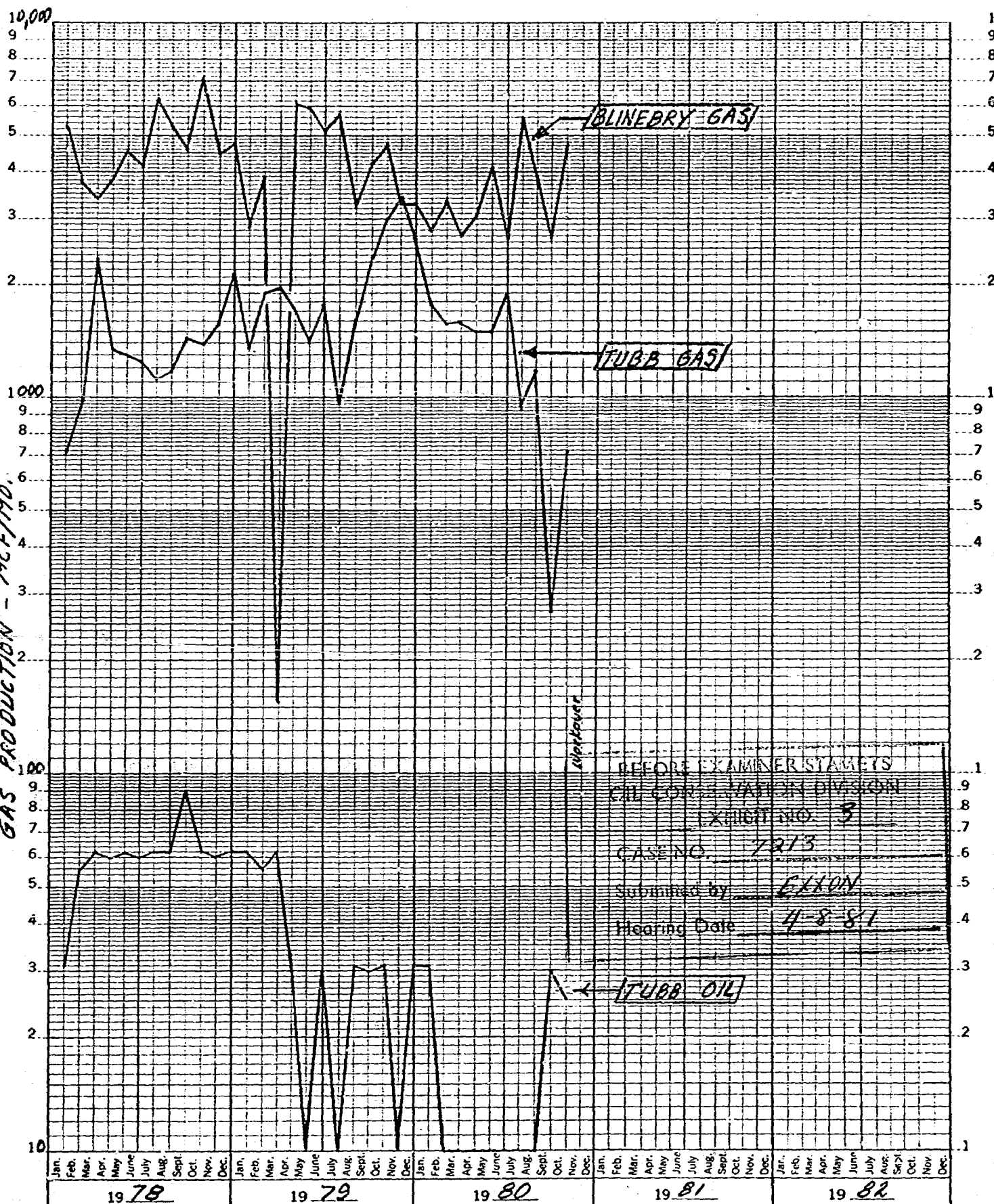
J. L. GREENWOOD NO. 13

BEFORE EXAMINER STAMETS	
OIL CONSERVATION DIVISION	
EXHIBIT NO.	2
CASE NO.	7213
Submitted by	Exxon
Hearing Date	4-8-81



J. L. GREENWOOD NO. 13

OIL PRODUCTION - BBLs/MO.
GAS PRODUCTION - MCF/MO.



J. L. Greenwood #13
3-YEAR PRODUCTION HISTORY

	<u>1978</u>		<u>1979</u>		<u>1980</u>	
	<u>Brinebry</u> (MCF/MO)	<u>Tubb</u> (MCF/MO/BBL/MO)	<u>Brinebry</u> (MCF/MO)	<u>Tubb</u> (MCF/MO/BBL/MO)	<u>Brinebry</u> (MCF/MO)	<u>Tubb</u> (MCF/MO/BBL/MO)
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October	7130	1395/62	4743	3007/31	4763	717/25
November	4500	1590/60	3300	3420/0	0	0
December	4774	2139/62	3317	2635/31	0	0
Cumulative (BCF)/(MBO)	2.56	.36/15.3	2.57	.39/15.6	2.60	.39/15.8

JAL:kb
3/6/81

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

Form C-107
5-1-81

Operator Exxon Co., U.S.A.		County Lea	Date April 3, 1981
Address Box 1600, Midland, Texas 79702		Lease J. L. Greenwood	Well No. 13
Location of Well L	Unit L	Section 9	Township 22 South
		Range 37 East	

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	Blinbry & Tubb		Brunson-Fusselman
b. Top and Bottom of Pay Section (Perforations)	5465 - 6110		7208 - 7224
c. Type of production (Oil or Gas)	Gas		Oil
d. Method of Production (Flowing or Artificial Lift)	Flowing		Art. Lift

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 dr _____ es, 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 of _____ wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
<input checked="" type="checkbox"/>	<input 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 112A.)

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

See attached list	BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION EXHIBIT NO. <u>4</u> CASE NO. <u>7213</u> Submitted by <u>EXXON</u> Hearing Date <u>4-8-81</u>
-------------------	---

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 April 3, 1981.

CERTIFICATE: I, the undersigned, state that I am Division Staff Engineer for Exxon Co., U.S.A., a Division of Exxon 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.

J. K. Lytle
Signature

When all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will suspend 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 suspension, a hearing is received by the Santa Fe office, the application will then be processed.

When 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.

**J. L. GREENWOOD LEASE
OFFSET OPERATORS**

<u>Operator</u>	<u>Mailing Address</u>
Mobil Producing Co., Tex-N.M.	Box 1800, Hobbs, New Mexico 88240
MKA Oil Properties	Box 911, Hobbs, New Mexico 88240
Sohio Natural Resources Co.	Midland Bldg., Cleveland, Ohio 44115
Amoco Production Co.	Box 68, Hobbs, New Mexico 88240
Shell Oil Company	Box 991, Houston, Texas 77001
Conoco, Inc.	Box 460, Hobbs, New Mexico 88240
Two States Oil Co.	Mercantile Commerce Bldg., Dallas, Texas 75201
Texas Pacific Oil Co., Inc.	Box 4067, Midland, Texas 79701
Getty Oil Company	Box 730, Hobbs, New Mexico 88240

Docket No. 12-81

Dockets Nos. 14-81 and 15-81 are tentatively set for April 22 and May 6, 1981. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 8, 1981

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

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

CASE 7086: (Continued from the January 14, 1981, Examiner Hearing)

Application of Blackwood & Nichols Company, Ltd. for designation of a tight formation, San Juan and Rio Arriba Counties, New Mexico. Applicant, in the above-styled cause, seeks the designation of the Pictured Cliffs formation underlying portions of Townships 30 and 31 North, Ranges 6, 7, and 8 West, containing 33,500 acres, more or less, as a tight formation pursuant to Section 107 of the Natural Gas Policy Act and 18 CFR Section 271.701-705.

CASE 7210: Application of Gulf Oil Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the East Hat Mesa Unit Area, comprising 2197 acres, more or less, of State and Federal lands in Township 21 South, Range 33 East.

CASE 7211: Application of Gulf Oil Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the North Rock Lake State Unit Area, comprising 2880 acres, more or less, of State land in Township 22 South, Range 35 East.

CASE 7212: Application of Bass Enterprises Production Co. for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Poker Lake Unit Well No. 50 located in Unit C of Section 4, Township 25 South, Range 31 East, to produce gas from the Atoka and Wolfcamp formations through the tubing and casing-tubing annulus, respectively.

CASE 7213: Application of Exxon Company USA for a dual completion and downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete its J. L. Greenwood Well No. 13 located in Unit L of Section 9, Township 22 South, Range 37 East, to produce oil from the Brunson-Fusselman Pool through tubing and commingled Blinberry and Tubb production through the casing-tubing annulus.

CASE 7214: Application of Pioneer Production Corporation for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Chacra and Basin-Dakota production in the wellbore of its Dustin Well No. 1E located in Unit J of Section 6, Township 29 North, Range 12 West.

CASE 7215: Application of Amoco Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox Wolfcamp-Penn location of its Willow Lake Unit Well No. 4Y to be drilled 1980 feet from the South line and 660 feet from the West line of Section 14, Township 24 South, Range 28 East, the S/2 of said Section 14 to be dedicated to the well.

CASE 7216: Application of Amoco Production Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Gallup and Chacon-Dakota production in the wellbore of its Jicarilla 396 Well No. 1 located in the NE/4 of Section 8, Township 23 North, Range 3 West.

CASE 7217: Application of Harvey E. Yates Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox Morrow location of its Travis Ohio State Com Well No. 1 to be drilled 660 feet from the South and West lines of Section 13, Township 18 South, Range 28 East, the S/2 of said Section 13 to be dedicated to the well.

CASE 7218: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox Wolfcamp-Penn location of its Federal "BQ" Well No. 7 to be drilled 560 feet from the North line and 990 feet from the West line of Section 27, Township 17 South, Range 25 East, the N/2 of said Section 27 to be dedicated to the well.

CASE 7165: (Readvertised)

Application of ARCO Oil and Gas Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Ellenburger, Strawn, McKee, and Devonian formations, Langley Field, underlying the N/2 of Section 33, Township 22 South, Range 36 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.

W. E. BONDURANT, JR.
(1914-1973)

OF COUNSEL

CLARENCE E. HINKLE*
ROBERT A. STONE

LEWIS C. COX, JR.*
PAUL W. EATON, JR.
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.*
STUART D. SHANOR*
C. D. MARTIN
PAUL J. KELLY, JR.*
JAMES H. BOZARTH
DOUGLAS L. LUNSFORD*
PAUL M. BOHANNON
ERNEST R. FINNEY, JR.
J. DOUGLAS FOSTER

K. DOUGLAS PERHIN*
C. RAY ALLEN
T. CALDER EZZELL, JR.*
WILLIAM B. BURFORD
JOHN S. NELSON*
RICHARD E. OLSON*
ANDERSON CARTER, II
STEVEN D. ARNOLD
JEFFREY L. BOWMAN
JOHN C. HARRISON*

LAW OFFICES

HINKLE, COX, EATON, COFFIELD & HENSLEY

1000 FIRST NATIONAL BANK TOWER

POST OFFICE BOX 3580

MIDLAND, TEXAS 79702

(915) 683-4691

RECEIVED

MAR 30 1981

ROSWELL, NEW MEXICO
600 HINKLE BUILDING
(505) 622-6510

AMARILLO, TEXAS OFFICE
1701 AMERICAN NATIONAL BANK BUILDING
(806) 372-5569

*NOT LICENSED IN
TEXAS

March 26, 1981

Case 7213

Mr. Dan Nutter
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Exxon Company, U.S.A. - Application for
Downhole Commingling and Dual Completion,
Lea County, New Mexico

Dear Dan:

I am transmitting herewith, executed in triplicate, copies of an Application for Exxon Company, U.S.A. for Downhole Commingling and Dual Completion as to their J. L. Greenwood No. 13 Well in Unit L, 1,980 feet from the South line and 990 feet from the West line of Section 9, Township 22 South, Range 37 East, Blinbry-Drinkard-Tubbs and Brunson-Fusselman Fields, N.M.P.M., Lea County, New Mexico. My secretary telephoned you last week advising of the necessary information so that this Application may be placed on the April 8, 1981 docket.

If anything in addition to the above is needed, please advise.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY

Conrad E. Coffield

CEC:rh

Enclosures

xc/enc: Mr. Gary E. Baker

xc/enc: Mr. J. K. Lytle

BEFORE THE OIL CONSERVATION DIVISION OF
THE DEPARTMENT OF ENERGY AND MINERALS
STATE OF NEW MEXICO

RECEIVED
MAR 30 1981
OIL CONSERVATION DIVISION
SANTA FE

APPLICATION OF EXXON COMPANY,)
U.S.A., FOR DOWNHOLE COMMINGLING)
AND DUAL COMPLETION, LEA COUNTY,)
NEW MEXICO)

Case 7213

APPLICATION

Exxon Company, U.S.A., by its undersigned attorneys, hereby makes application for approval of downhole commingling of the Blinebry and Tubb zones and dual completion between the commingled zone and the Fusselman zone in the J. L. Greenwood No. 13 Well in Lea County, New Mexico, and in support thereof would show:

1. Applicant has heretofore drilled its J. L. Greenwood No. 13 Well in Unit L, 1,980 feet from the South line and 990 feet from the West line of Section 9, Township 22 South, Range 37 East, Blinebry-Drinkard-Tubbs and Brunson-Fusselman Fields, N.M.P.M., Lea County, New Mexico.

2. The J. L. Greenwood No. 13 Well was initially completed in the Ellenberger formation in 1947. It was later recompleted as a dual producer in the Blinebry (5465'-5530') and Tubb (6083'-6110') zones pursuant to Oil Conservation Division Order No. MC-1440 dated January 26, 1964. The latest productivity test, dated October 15, 1980, shows a daily producing rate of 144 Mcf of gas and no oil or water for the Blinebry. The current daily productivity of the Tubb zone, based on October 1980 production, is 24 Mcf of gas, 1 bbl oil and no water. The estimated bottomhole pressure is 420 psig in the Blinebry and 717 psig in the Tubb, based on surface shut-in pressures. Ownership of the zones to be commingled is common, and the fluids produced from both zones are compatible. A list of offset operators and their mailing addresses is attached.

3. Applicant further seeks authority to dually complete the

J. L. Greenwood No. 13 Well with dual completion to be as to the commingled zone and the Fusselman formation, producing gas and gas liquids therefrom with production to be from a dual completion conventional. The production from the commingled zone will be by annulus and from the Fusselman will be by tubing.

4. Approval of the downhole commingling and dual completion will be in the interest of conservation, prevention of waste and protection of correlative rights.


5. Applicant respectfully requests that this application be set on the April 8, 1981 Docket.

Dated this 26th day of March, 1980.

Respectfully submitted,

HINKLE, COX, EATON,
COFFIELD & HENSLEY

By:


Conrad E. Coffield
Attorney for Exxon Company, U.S.A.

J. L. GREENWOOD LEASE
OFFSET OPERATORS

<u>Operator</u>	<u>Mailing Address</u>
Mobil Producing Co., Tex-N.M.	Box 1800, Hobbs, New Mexico 88240
MKA Oil Properties	Box 911, Hobbs, New Mexico 88240
Sohio Natural Resources Co.	Midland Bldg., Cleveland, Ohio 44115
Amoco Production Co.	Box 68, Hobbs, New Mexico 88240
Shell Oil Company	Box 991, Houston, Texas 77001
Conoco, Inc.	Box 460, Hobbs, New Mexico 88240
Two States Oil Co.	Mercantile Commerce Bldg., Dallas, Texas 75201
Texas Pacific Oil Co., Inc.	Box 4067, Midland, Texas 79701
Getty Oil Company	Box 730, Hobbs, New Mexico 88240

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Conrad E. Coffield
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Conrad E. Coffield
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called in by Conrad Coffield Secretary
9:45 am 3/19/81

Bass Enterprises Production Co

dual completion

Poker Lake Unit Well No 50
Unit C Sec 4 Twp 25 S Rge 31 E
Eddy Co

Atoka and Wolfcamp
conventional + b9 & Wc ann

✓ Exxon Co USA

downhole comm & dual comp

J & L Greenwood Well No 13
Unit L Sec 9 Twp 22 S Rge 37 East
Red Co.

~~comm~~ comm B1 & T_h
dualy comm zone w/ fused
man parallel strings

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. 7213

Order No. R- 6652

APPLICATION OF EXXON COMPANY USA
FOR A DUAL COMPLETION AND DOWNHOLE COMMINGLING, LEA
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on
April 8, 19 81, at Santa Fe, New Mexico, before
Examiner Richard L. Stamets.

NOW, on this day of April, 19 81, 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, Exxon Company USA,
seeks authority to complete its J. L. Greenwood
Well No. 13, located in Unit L of Section 9, Town-
ship 22 South, Range 37 East, NMPM, Lea
County, New Mexico, as a dual completion (conventional) to
(combination)
(tubingless)
oil
produce ~~gas~~ from the Brunson-Fusselman Pool through tubing
and commingled Blinebry and Tubb production through the casing-
tubing annulus.

are feasible and in accord with good conservation practices.

(4) That from the Blinebry zone, the subject well is capable of low marginal production only.

(5) That from the Tubb zone, the subject well is capable of low marginal production only.

(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Hobbs district office of the Division any time the subject well is shut-in for 7 consecutive days.

(9) That in order to allocate the commingled production to each of the commingled zones in the subject well, 73 percent of the commingled gas production should be allocated to the Blinebry zone, and 27 percent of the commingled gas and all of the liquids production production to the Tubb zone.

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Exxon Company USA, is hereby authorized to complete its J. L. Greenwood well No. 13, located in Unit L of Section 9, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) ~~(combination)~~ ~~(tubingless)~~ oil to produce ~~gas~~ from the Brunson-Fusselman Pool through tubing

and commingled Blinebry and Tubb production through the casing-tubing annulus, with separation of the Fusselman from to be achieved by means of a packer set approximately 767 feet

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 12-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 Lee Kage tests upon completion and
annually thereafter during the Annual Gas-Oil Ratio
Test Period for the Brunson - Fusselman Pool.

(2) That 73 percent of the commingled gas
production shall be allocated to the Blinberg
zone and 27 percent of the commingled gas
production and all of the liquids production shall be allocated to the Tubbs
zone.

(3) That the operator of the subject well shall immediately
notify the Division's Hobbs district office any time the
well has been shut-in for 7 consecutive days and shall concurrently
present, to the Division, a plan for remedial action.

(4) 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.