

Case No.

6560

Large

Exhibits

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico
13 June 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Exxon Corporation for) CASE
a dual completion, Lea County, New) 6560
Mexico.)

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 for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87503

For the Applicant: Conrad Coffield, Esq.
HINKLE, COX, EATON, COFFIELD
& HENSLEY
Midland, Texas

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2028 Plaza Blanca (666) 471-2462
Santa Fe, New Mexico 87501

I N D E X

J. K. LYTLE

Direct Examination by Mr. Coffield	3
Cross Examination by Mr. Nutter	10

E X H I B I T S

Applicant Exhibit One, Plat	5
Applicant Exhibit Two, C-107	5
Applicant Exhibit Three, Diagram	6
Applicant Exhibit Four, C-102	8
Applicant Exhibit Five, C-102	8

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (666) 471-2462
Santa Fe, New Mexico 87501

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

MR. NUTTER: Call Case 6560. This is the application of Exxon Corporation for a dual completion in Lea County, New Mexico.

MR. COFFIELD: Conrad Coffield with the Hinkle Law Firm of Midland, Texas, appearing on behalf of the applicant, and I have one witness.

(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 Please state your name, address, occupation, and employer.

A J. K. Lytle, I live in Midland, Texas. I'm an engineer with Exxon Company, U.S.A.

MR. NUTTER: How do you spell your last name, Mr. Lytle?

A L-Y-T-L-E.

MR. NUTTER: Thank you.

Q Mr. Lytle, will you please --or have you previously testified before the Oil Conservation Divi-

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (595) 471-2442
Santa Fe, New Mexico 87501

1 sion as a petroleum engineer?

2 A. No, I haven't.

3 Q. For the Examiner, would you please state
4 your educational background and experience as a petroleum
5 engineer?

6 A. I graduated from Purdue University in
7 1948 with a BS degree in chemical engineering.

8 Upon graduation I went to work for the
9 Carter Oil Company, now part of Exxon Company, U.S.A.
10 I've worked for Exxon or affiliates all of my career, which
11 spans about thirty-one years.

12 I've worked in many different states in
13 the Mid-Continent area of the United States, primarily in
14 the field of reservoir engineering.

15 Q. Mr. Lytle, are you familiar with the
16 application of Exxon Corporation in this particular case?

17 A. Yes, sir.

18 Q. And are you familiar with the property
19 and the proposed well location involved?

20 A. Yes, I am.

21 MR. COFFIELD: Mr. Examiner, is the wit-
22 ness considered qualified?

23 MR. NUTTER: Yes, he is. Please continue.

24 Q. (Mr. Coffield continuing.) Mr. Lytle,
25 would you briefly state, what does Exxon Corporation seek

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (981) 471-2462
Santa Fe, New Mexico 87501

1 by this application?

2 A. This application is to obtain approval to
3 dually complete Exxon's New Mexico "AB" State No. 4 Well,
4 which is located in the northeast northeast of Section 16,
5 which would be Unit A, of Township 24 South, Range 37 East,
6 in Lea County, New Mexico.

7 Q And you propose to produce gas from the
8 Langlie-Mattix Pool?

9 A. Yes. The well is dually completed in the
10 Langlie-Mattix Pool and produces gas, and also in the
11 Fowler-Upper Yeso Pool as an oil well.

12 Q All right, Mr. Lytle, would you refer to
13 Exhibit Number One, what has been marked as Exhibit Number
14 One, and explain that and what it represents, please?

15 A. Exhibit Number One is a land plat of the
16 portion of the pool that the subject well is located in.

17 Exxon's lease is colored in yellow and
18 the well in question is colored with a red circle.

19 This plat shows the location of Exxon's
20 lease, New Mexico "AB" State lease, and the No. 4 Well,
21 and it shows all the wells and offsetting leases and the
22 operator names.

23 Q Would you please refer to what's been
24 marked as Exhibit Two and identify that for the Examiner,
25 please.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
303 Plaza Blanca (995) 471-2482
Santa Fe, New Mexico 87501

1 A. Exhibit Two is a copy of the Conservation
2 Commission's Form C-107, which is an Application for Multiple
3 Completion. This application was submitted to the Com-
4 mission with attachments A, B, C, and D, as required about
5 in the middle of the form.

6 The application was mailed to the two
7 companies who are shown on the bottom of the application,
8 namely Amoco Production Company and Gulf Exploration.
9 These were mailed by certified mail to those companies.

10 This application shows Exxon's petition
11 to dually complete the "AB" State No. 4 in the Langlie-
12 Mattix-Seven Rivers-Queen Pool and in the Fowler-Upper
13 Yeso Pool.

14 Q And Amoco and Gulf are the only offset
15 owners --

16 A Yes, sir.

17 Q -- with respect to this particular tract.
18 Do you have anything else on that exhibit?

19 A No, sir.

20 Q Would you refer to what has been marked
21 as Exhibit Three and explain that for the Examiner?

22 A Exhibit Three is a schematic diagram of
23 the wellbore of Exxon's New Mexico "AB" State No. 4. It's
24 designed to show the casing which has been run and cemented
25 in the well and the method of dual completion.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (955) 471-2492
Santa Fe, New Mexico 87501

1 This well was -- this sketch shows that
2 the well was completed with 10-3/4 inch surface casing set
3 at 1103 feet, which was cemented to the surface, and the
4 well was drilled to a total depth of 5804 feet. There were
5 two strings of -- two parallel strings of casing run in
6 this well. The string on the left is 2-7/8ths inch casing
7 which is set at 3618 feet. There were 18 centralizers run
8 on this string between 3000 and 3600 feet.

9 It's perforated from 3201 feet to 3481
10 feet opposite the Langlie-Mattix-Seven Rivers-Queen forma-
11 tion.

12 The string on the right is 4-1/2 inch
13 OD casing, and it's set at 5797 feet. There are 32 central-
14 izers between 3000 and 3600 feet and between 5200 and 5797
15 feet. Both strings were cemented together with 2100 sacks
16 of cement. The estimated top of cement is shown to be
17 2500 feet.

18 There is a string of 2-3/8ths inch tubing
19 inside the 4-1/2 inch casing, which is set at 5208 feet.
20 The 4-1/2 inch casing is perforated opposite the Fowler-
21 Upper Yeso zone from 5234 to 5691 feet.

22 This well was completed on May the 1st,
23 1979, and the Langlie-Mattix gas zone flowed at the rate of
24 587 Mcf per day with 15 barrels of water per day through
25 a half inch choke.

1 The Upper Yeso zone pumped at the rate
2 of 22 barrels of oil per day and 205 barrels of water per
3 day with 57 Mcf per day; a gas/oil ratio of 2591 cubic feet
4 per barrel.

5 I'll point out that the well does meet
6 in my opinion all of the statewide requirements concerning
7 casing and tubing.

8 Q Okay, would you please refer to what has
9 been marked Exhibits Five and -- Four and Five, Exhibits
10 Four and Five, and explain these to the Examiner?

11 A Exhibits Four and Five are the Oil Con-
12 servation Commission's forms C-102, which were submitted
13 by Exxon for the drilling of the New Mexico "AB" State No.
14 4.

15 Exhibit Four shows the acreage dedicated
16 to the well in the Langlie-Mattix-Seven Rivers-Queen Pool,
17 namely being the northeast quarter of the northeast quarter
18 of Section 16, and it shows the well location to be 660
19 feet from the north line and 660 feet from the east line
20 of the quarter quarter section.

21 The Langlie-Mattix-Seven Rivers-Queen
22 spacing and location requirements are set up by the state-
23 wide rules for oil, being 40-acre units. There are special
24 rules that set a gas/oil ratio limit for this pool of
25 10,000 cubic feet per barrel.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3039 Plaza Blanca (606) 471-2462
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (505) 471-2402
Santa Fe, New Mexico 87501

1 Exhibit Five is a Form C-102 for the
2 Fowler-Upper Yeso Zone, and it shows the 80-acre proration
3 unit which will be dedicated to both the No. 4 Well, which
4 is the subject of this application, and the No. 2 Well,
5 which has been previously drilled. These two wells will
6 split the allowable for the 80-acre Upper Yeso zone.

7 There are special field rules governing
8 the Fowler-Upper Yeso zone, which designate 80-acre standard
9 units, but with the option to drill on each quarter quarter
10 section.

11 I believe that's all I have on that.

12 Q Mr. Lytle, was there an electrical log
13 prepared and submitted to the Division in connection with
14 this well?

15 A Yes, there was.

16 Q And it is on file in their records, so
17 far as you know?

18 A As far as I know.

19 Q Were these exhibits, One through Five,
20 prepared either by you or under your supervision?

21 A Yes, they were.

22 Q Mr. Lytle, in your opinion will the ap-
23 proval of the application of Exxon Corporation in this case
24 prevent the drilling of unnecessary wells and otherwise
25 prevent waste and protect correlative rights?

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

1 A. Yes, it my opinion it will.

2 MR. COFFIELD: Mr. Examiner, I move the
3 admission of Exhibit One through Five.

4 MR. NUTTER: Exxon's Exhibits One through
5 Five will be admitted in evidence.

6 Q. Also, Mr. Lytle, would you please explain
7 to the Examiner what the segregation test situation is on
8 particular --

9 A. Yes. I failed to mention that a segrega-
10 tion test was run on this well between the period of June
11 2nd to -- through June the 6th, 1979, and results of this
12 test are being reported to the Commission on their form,
13 and I have knowledge that the tests show that the zones
14 are effectively segregated, that there is no communication
15 in the wellbore.

16 MR. COFFIELD: Mr. Examiner, I have no
17 further questions of this witness on direct examination.

18
19 CROSS EXAMINATION

20 BY MR. NUTTER:

21 Q. Mr. Lytle, this type of dual completion
22 is a rather uncommon one. Rather than relying on packers
23 to separate the zones with a single string of tubing, you've
24 run two strings of tubing and cemented them -- or two
25 strings of casing and cemented them in a common wellbore,

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (995) 471-2482
Santa Fe, New Mexico 87501

1 correct?

2 A. Yes, sir.

3 Q And presumably the Langlie-Mattix was
4 perforated after both strings were run in the hole.

5 A. Yes, sir.

6 Q And you oriented the gun in the Langlie-
7 Mattix in such a manner as to not perforate the long string
8 of casing.

9 A. That's correct.

10 Q And you were successful.

11 A. Yes, sir.

12 MR. NUTTER: Are there any other ques-
13 tions of Mr. Lytle? He may be excused.

14 Do you have anything further, Mr. Coffield?

15 MR. COFFIELD: No, sir, I don't.

16 MR. NUTTER: Does anyone have anything
17 they wish to offer in Case Number 6560?

18 We will take the case under advisement.

19

20 (Hearing concluded.)

21

22

23

24

25

REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability, knowledge, and skill, from my notes taken at the time of the hearing.

Sally W. Boyd CSR
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. 6569 heard by me on 6/13 1979.

[Signature], Examiner
Oil Conservation Division

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2030 Plaza Blanca (805) 471-2462
Santa Fe, New Mexico 87501

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date

JUNE 13, 1979

Time: 9:00 A.M.

NAME	REPRESENTING	LOCATION
Conrad DeFuria	Anella Law Firm	Midland
C. Ware	Harper Oil Co.	Midland
Robert G. Warfield	Harper Oil Co.	Midland
J. K. Tittle	Exxon Co., U.S.A.	Midland
Paul W. Burchell	El Paso Natural Gas Co.	El Paso, Tx.
W. F. Kellum	El Paso Natural Gas Co.	Santa Fe
Alb Watson	ARCO Oil & Gas	Midland, Tx
R. Hulien	Capital Services	Santa Fe
David Smith	Texas Inc.	Midland, Tx
James McFarland	J. H.	El Paso, N.M.
Joseph W. Jaffer	Mesa Petroleum Co.	Midland, Tx
MICHAEL P. HOUSTON	MESA PETROLEUM CO	MIDLAND TX
Guy Buell	Amoco	Houston
Jim Allen	✓	✓
Kenn Bock	✓	✓
Jerome Burchell	ARCO	Midland
Mike DeMarco	C&D Energy	Midland
Gene Buck	Harnden Oil & Gas	Tulsa
R. M. ANDERSON	ARCO	DALLAS

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARINGSANTA FE, NEW MEXICOHearing Date JUNE 13, 1979 Time: 9:00 A.M.

NAME	REPRESENTING	LOCATION
Dwain Woody	Woody Acres	San County
M. A. CUSTER, JR	MEWBOURNE Oil Company	Midland
DON HADEN	✓	✓
Hugh Ingram	Penolo	Hobbs
JERRY SEXTON	OCD	Hobbs

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico
13 June 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Exxon Corporation for) CASE
a dual completion, Lea County, New) 6560
Mexico.)

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 for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87503

For the Applicant: Conrad Coffield, Esq.
HINKLE, COX, EATON, COFFIELD
& HENSLEY
Midland, Texas

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (S.W.) 411-2463
Santa Fe, New Mexico 87501

I N D E X

J. K. LYTTLE

Direct Examination by Mr. Coffield	3
Cross Examination by Mr. Nutter	10

E X H I B I T S

Applicant Exhibit One, Plat	5
Applicant Exhibit Two, C-107	5
Applicant Exhibit Three, Diagram	6
Applicant Exhibit Four, C-102	8
Applicant Exhibit Five, C-102	8

SALLY WALTON BOYD
 CERTIFIED SHORTHAND REPORTER
 3026 Plaza Blanca (666) 471-2463
 Santa Fe, New Mexico 87301

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (SOS) 471-2462
San Antonio, New Mexico 87501

1 MR. NUTTER: Call Case 6560. This is the
2 application of Exxon Corporation for a dual completion in
3 Lea County, New Mexico.

4 MR. COFFIELD: Conrad Coffield with the
5 Hinkle Law Firm of Midland, Texas, appearing on behalf of
6 the applicant, and I have one witness.

7
8 (Witness sworn.)

9
10 J. K. LYTLE
11 being called as a witness and being duly sworn upon his oath,
12 testified as follows, to-wit:

13
14 DIRECT EXAMINATION

15 BY MR. COFFIELD:

16 Q Please state your name, address, occupa-
17 tion, and employer.

18 A J. K. Lytle, I live in Midland, Texas.
19 I'm an engineer with Exxon Company, U.S.A.

20 MR. NUTTER: How do you spell your last
21 name, Mr. Lytle?

22 A L-Y-T-L-E.

23 MR. NUTTER: Thank you.

24 Q Mr. Lytle, will you please --or have
25 you previously testified before the Oil Conservation Divi-

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (605) 471-2462
Santa Fe, New Mexico 87501

1 sion as a petroleum engineer?

2 A. No, I haven't.

3 Q For the Examiner, would you please state
4 your educational background and experience as a petroleum
5 engineer?

6 A I graduated from Purdue University in
7 1948 with a BS degree in chemical engineering.

8 Upon graduation I went to work for the
9 Carter Oil Company, now part of Exxon Company, U.S.A.
10 I've worked for Exxon or affiliates all of my career, which
11 spans about thirty-one years.

12 I've worked in many different states in
13 the Mid-Continent area of the United States, primarily in
14 the field of reservoir engineering.

15 Q Mr. Lytle, are you familiar with the
16 application of Exxon Corporation in this particular case?

17 A Yes, sir.

18 Q And are you familiar with the property
19 and the proposed well location involved?

20 A Yes, I am.

21 MR. COFFIELD: Mr. Examiner, is the wit-
22 ness considered qualified?

23 MR. NUTTER: Yes, he is. Please continue.

24 Q (Mr. Coffield continuing.) Mr. Lytle,
25 would you briefly state, what does Exxon Corporation seek

1 by this application?

2 A This application is to obtain approval to
3 dually complete Exxon's New Mexico "AB" State No. 4 Well,
4 which is located in the northeast northeast of Section 16,
5 which would be Unit A, of Township 24 South, Range 37 East,
6 in Lea County, New Mexico.

7 Q And you propose to produce gas from the
8 Langlie-Mattix Pool?

9 A Yes. The well is dually completed in the
10 Langlie-Mattix Pool and produces gas, and also in the
11 Fowler-Upper Yeso Pool as an oil well.

12 Q All right, Mr. Lytle, would you refer to
13 Exhibit Number One, what has been marked as Exhibit Number
14 One, and explain that and what it represents, please?

15 A Exhibit Number One is a land plat of the
16 portion of the pool that the subject well is located in.

17 Exxon's lease is colored in yellow and
18 the well in question is colored with a red circle.

19 This plat shows the location of Exxon's
20 lease, New Mexico "AB" State lease, and the No. 4 Well,
21 and it shows all the wells and offsetting leases and the
22 operator names.

23 Q Would you please refer to what's been
24 marked as Exhibit Two and identify that for the Examiner,
25 please.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (G05) 471-2462
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

1 A Exhibit Two is a copy of the Conservation
2 Commission's Form C-107, which is an Application for Multiple
3 Completion. This application was submitted to the Com-
4 mission with attachments A, B, C, and D, as required about
5 in the middle of the form.

6 The application was mailed to the two
7 companies who are shown on the bottom of the application,
8 namely Amoco Production Company and Gulf Exploration.
9 These were mailed by certified mail to those companies.

10 This application shows Exxon's petition
11 to dually complete the "AB" State No. 4 in the Langlie-
12 Mattix-Seven Rivers-Queen Pool and in the Fowler-Upper
13 Yeso Pool.

14 Q And Amoco and Gulf are the only offset
15 owners --

16 A Yes, sir.

17 Q -- with respect to this particular tract.
18 Do you have anything else on that exhibit?

19 A No, sir.

20 Q Would you refer to what has been marked
21 as Exhibit Three and explain that for the Examiner?

22 A Exhibit Three is a schematic diagram of
23 the wellbore of Exxon's New Mexico "AB" State No. 4. It's
24 designed to show the casing which has been run and cemented
25 in the well and the method of dual completion.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (535) 471-2462
Santa Fe, New Mexico 87501

1 This well was -- this sketch shows that
2 the well was completed with 10-3/4 inch surface casing set
3 at 1103 feet, which was cemented to the surface, and the
4 well was drilled to a total depth of 5804 feet. There were
5 two strings of -- two parallel strings of casing run in
6 this well. The string on the left is 2-7/8ths inch casing
7 which is set at 3618 feet. There were 18 centralizers run
8 on this string between 3000 and 3600 feet.

9 It's perforated from 3201 feet to 3481
10 feet opposite the Langlie-Mattix-Seven Rivers-Queen forma-
11 tion.

12 The string on the right is 4-1/2 inch
13 OD casing, and it's set at 5797 feet. There are 32 central-
14 izers between 3000 and 3600 feet and between 5200 and 5797
15 feet. Both strings were cemented together with 2100 sacks
16 of cement. The estimated top of cement is shown to be
17 2500 feet.

18 There is a string of 2-3/8ths inch tubing
19 inside the 4-1/2 inch casing, which is set at 5208 feet.
20 The 4-1/2 inch casing is perforated opposite the Fowler-
21 Upper Yeso zone from 5234 to 5691 feet.

22 This well was completed on May the 1st,
23 1979, and the Langlie-Mattix gas zone flowed at the rate of
24 587 Mcf per day with 15 barrels of water per day through
25 a half inch choke.

1 The Upper Yaso zone pumped at the rate
2 of 22 barrels of oil per day and 205 barrels of water per
3 day with 57 Mcf per day; a gas/oil ratio of 2591 cubic feet
4 per barrel.

5 I'll point out that the well does meet
6 in my opinion all of the statewide requirements concerning
7 casing and tubing.

8 Q Okay, would you please refer to what has
9 been marked Exhibits Five and -- Four and Five, Exhibits
10 Four and Five, and explain these to the Examiner?

11 A Exhibits Four and Five are the Oil Con-
12 servation Commission's forms C-102, which were submitted
13 by Exxon for the drilling of the New Mexico "AB" State No.
14 4.

15 Exhibit Four shows the acreage dedicated
16 to the well in the Langlie-Mattix-Seven Rivers-Queen Pool,
17 namely being the northeast quarter of the northeast quarter
18 of Section 16, and it shows the well location to be 660
19 feet from the north line and 660 feet from the east line
20 of the quarter quarter section.

21 The Langlie-Mattix-Seven Rivers-Queen
22 spacing and location requirements are set up by the state-
23 wide rules for oil, being 40-acre units. There are special
24 rules that set a gas/oil ratio limit for this pool of
25 10,000 cubic feet per barrel.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (SOS) 471-2462
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED shorthand reporter
3030 Plaza Blanca (996) 471-2482
Santa Fe, New Mexico 87501

1 Exhibit Five is a Form C-102 for the
2 Fowler-Upper Yeso Zone, and it shows the 80-acre proration
3 unit which will be dedicated to both the No. 4 Well, which
4 is the subject of this application, and the No. 2 Well,
5 which has been previously drilled. These two wells will
6 split the allowable for the 80-acre Upper Yeso zone.

7 There are special field rules governing
8 the Fowler-Upper Yeso zone, which designate 80-acre standard
9 units, but with the option to drill on each quarter quarter
10 section.

11 I believe that's all I have on that.

12 Q Mr. Lytle, was there an electrical log
13 prepared and submitted to the Division in connection with
14 this well?

15 A Yes, there was.

16 Q And it is on file in their records, so
17 far as you know?

18 A As far as I know.

19 Q Were these exhibits, One through Five,
20 prepared either by you or under your supervision?

21 A Yes, they were.

22 Q Mr. Lytle, in your opinion will the ap-
23 proval of the application of Exxon Corporation in this case
24 prevent the drilling of unnecessary wells and otherwise
25 prevent waste and protect correlative rights?

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (SOS) 471-2462
Santa Fe, New Mexico 87501

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

A Yes, it my opinion it will.

MR. COFFIELD: Mr. Examiner, I move the admission of Exhibit One through Five.

MR. NUTTER: Exxon's Exhibits One through Five will be admitted in evidence.

Q Also, Mr. Lytle, would you please explain to the Examiner what the segregation test situation is on particular --

A Yes. I failed to mention that a segregation test was run on this well between the period of June 2nd to -- through June the 6th, 1979, and results of this test are being reported to the Commission on their form, and I have knowledge that the tests show that the zones are effectively segregated, that there is no communication in the wellbore.

MR. COFFIELD: Mr. Examiner, I have no further questions of this witness on direct examination.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Lytle, this type of dual completion is a rather uncommon one. Rather than relying on packers to separate the zones with a single string of tubing, you've run two strings of tubing and cemented them -- or two strings of casing and cemented them in a common wellbore,

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (695) 471-2462
Santa Fe, New Mexico 87501

1 correct?

2 A Yes, sir.

3 Q And presumably the Langlie-Mattix was

4 perforated after both strings were run in the hole.

5 A Yes, sir.

6 Q And you oriented the gun in the Langlie-

7 Mattix in such a manner as to not perforate the long string

8 of casing.

9 A That's correct.

10 Q And you were successful.

11 A Yes, sir.

12 MR. NUTTER: Are there any other ques-

13 tions of Mr. Lytle? He may be excused.

14 Do you have anything further, Mr. Coffield?

15 MR. COFFIELD: No, sir, I don't.

16 MR. NUTTER: Does anyone have anything

17 they wish to offer in Case Number 6560?

18 We will take the case under advisement.

19

20 (Hearing concluded.)

21

22

23

24

25

EXAMINER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY
 CERTIFY that the foregoing and attached Transcript of
 Hearing before the Oil Conservation Division was reported
 by me; that said transcript is a full, true, and correct
 record of the hearing, prepared by me to the best of my
 ability, knowledge, and skill, from my notes taken at the
 time of the hearing.

Sally W. Boyd, C.S.R.

SALLY WALTON BOYD
 CERTIFIED SHORTHAND REPORTER
 3030 Plaza Blanca (SOS) 471-2462
 Santa Fe, New Mexico 87501

I do hereby certify that the foregoing is
 a complete record of the proceedings in
 the Examiner hearing of Case No. 6569
 heard by me on 6/13 1979
[Signature], Examiner
 Oil Conservation Division

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. 6560
Order No. R-6035

APPLICATION OF EXXON CORPORATION 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 13, 1979,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 26th day of June, 1979, 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 Corporation, seeks authority
to complete its New Mexico "AB" State Well No. 4, located in
Unit A of Section 16, Township 24 South, Range 37 East, NMPM,
Lea County, New Mexico, as a dual completion (combination) to
produce gas from the Langlie Mattix Pool and oil from the
Fowler-Upper Yeso Pool through parallel strings of 2 7/8-inch
and 4 1/2-inch casing cemented in a common well bore.

(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, Exxon Corporation, is hereby
authorized to complete its New Mexico "AB" State Well No. 4,
located in Unit A of Section 16, Township 24 South, Range 37

-2-

Case No. 6560
Order No. R-6035

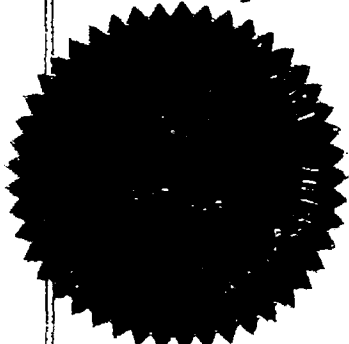
East, NMPM, Lea County, New Mexico, as a dual completion (combination) to produce gas from the Langlie Mattix Pool and oil from the Fowler-Upper Yeso Pool through parallel strings of casing cemented in a common well bore.

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 zone segregation tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Fowler-Upper Yeso 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.

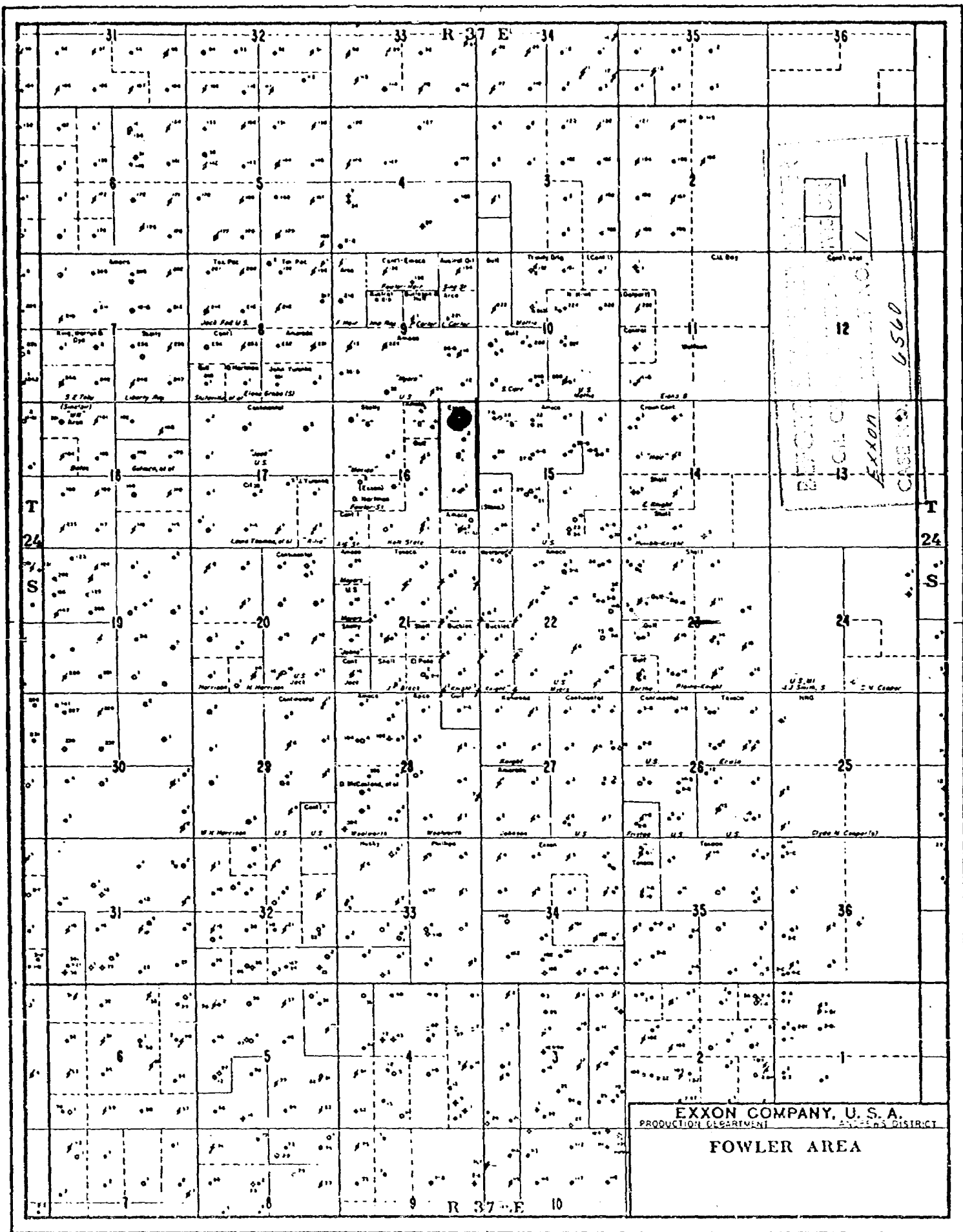


S E A L

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY
Director

fd/



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

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
5-1-61

Operator Exxon Corporation		County Lea	Date 5-3-79
Address Box 1600, Midland, Texas 79702		Lease New Mexico "AB" State	Well No. 4
Unit A	Section 16	Township 24-S	Range 37-E

Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same ones within one mile of the subject well? YES _____ NO X

If answer is yes, identify one such instance: Order No. _____; Operator Lease and Well No.: _____

The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
Name of Pool and Formation	Langlie Mattix Seven		Fowler Upper Yaso
Top and Bottom of Pay Section (Perforations)	Rivers Queen 3201-3481		5234-5691
Type of production (Oil or Gas)	Gas		Oil
Method of Production (Flowing or Artificial Lift)	Flow		Artificial Lift

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 112-A.) |

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

Amoco Production Company, Drawer A, Levelland, Texas 79336	RECEIVED OIL CONSERVATION DIVISION EX-104 EXHIBIT NO. 2 CASE NO. 6560
Gulf Exploration and Production Company, Box 1150, Midland, Texas 79702	

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 5-16-79.

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

C. T. Jackson

C. T. Jackson Signature Unit Head

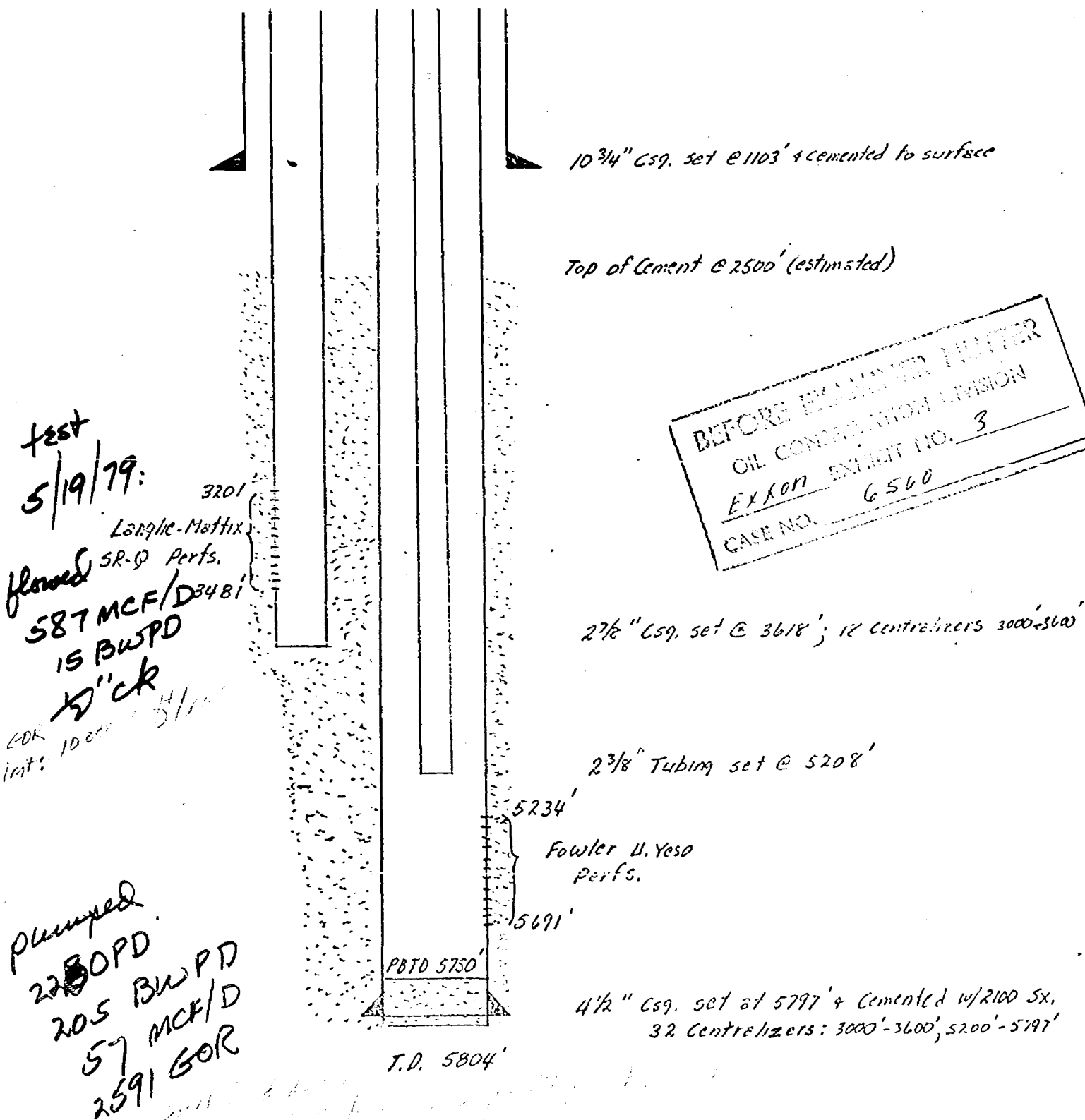
Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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.

WELLBORE SKETCH

Exxon, New Mexico "AB" State No. 4

Lee County, New Mexico



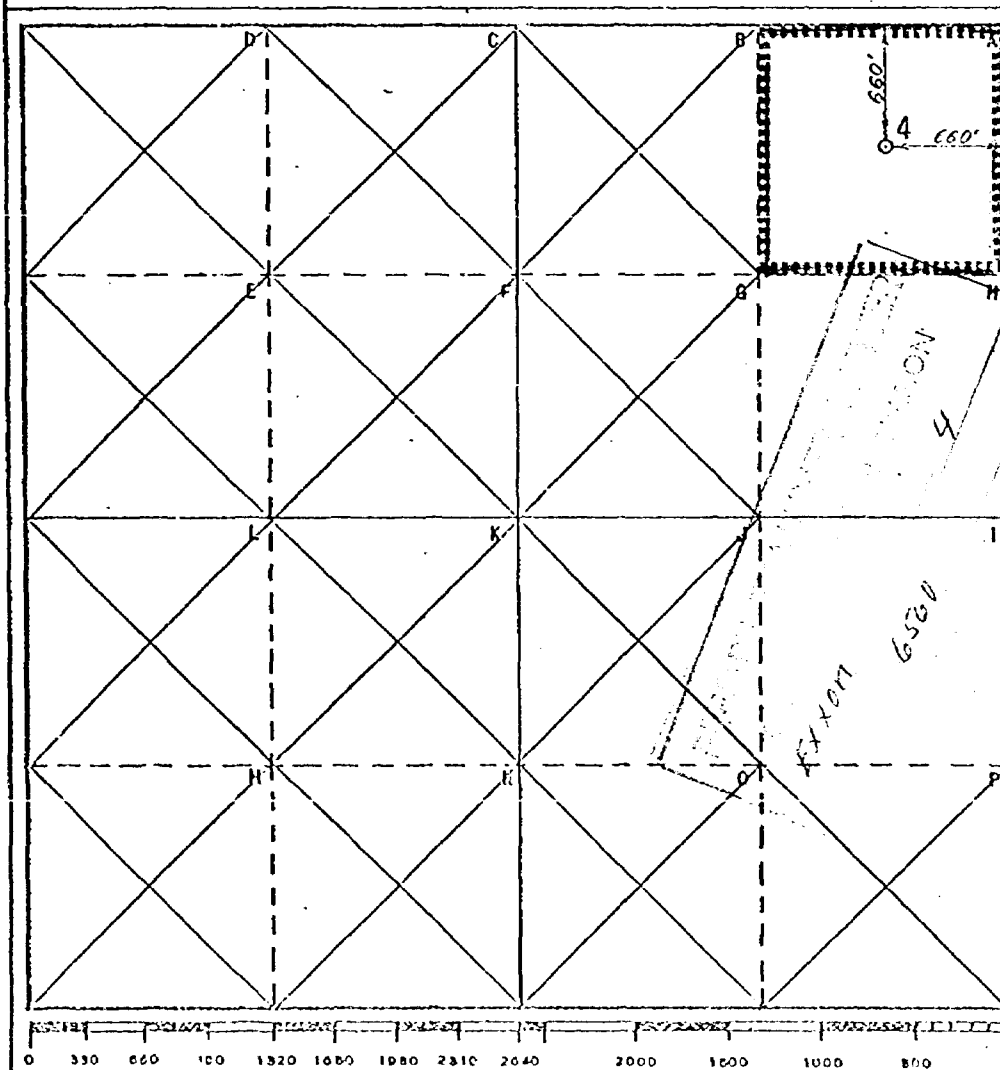
Operator Exxon Corporation		Lessee New Mexico AB State		Well No. 4
Unit Letter A	Section 16	Township 24 South	Range 37 East	County Lea
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East line				
Ground Level Elev:	Producing Formation Bottom 100' of Seven Rivers & Queen		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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
Melvin Knippling
Position
Proration Specialist
Company Exxon Corporation
Box 1600 Midland, Texas
Date
1-17-79

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
1/15/79
Registered Professional Engineer
and/or Land Surveyor

H. S. Westerfield
Certificate No.
1382

7.4 Miles N-NE of Jal, New Mexico

C.E. Sec. File No. W-A-7137

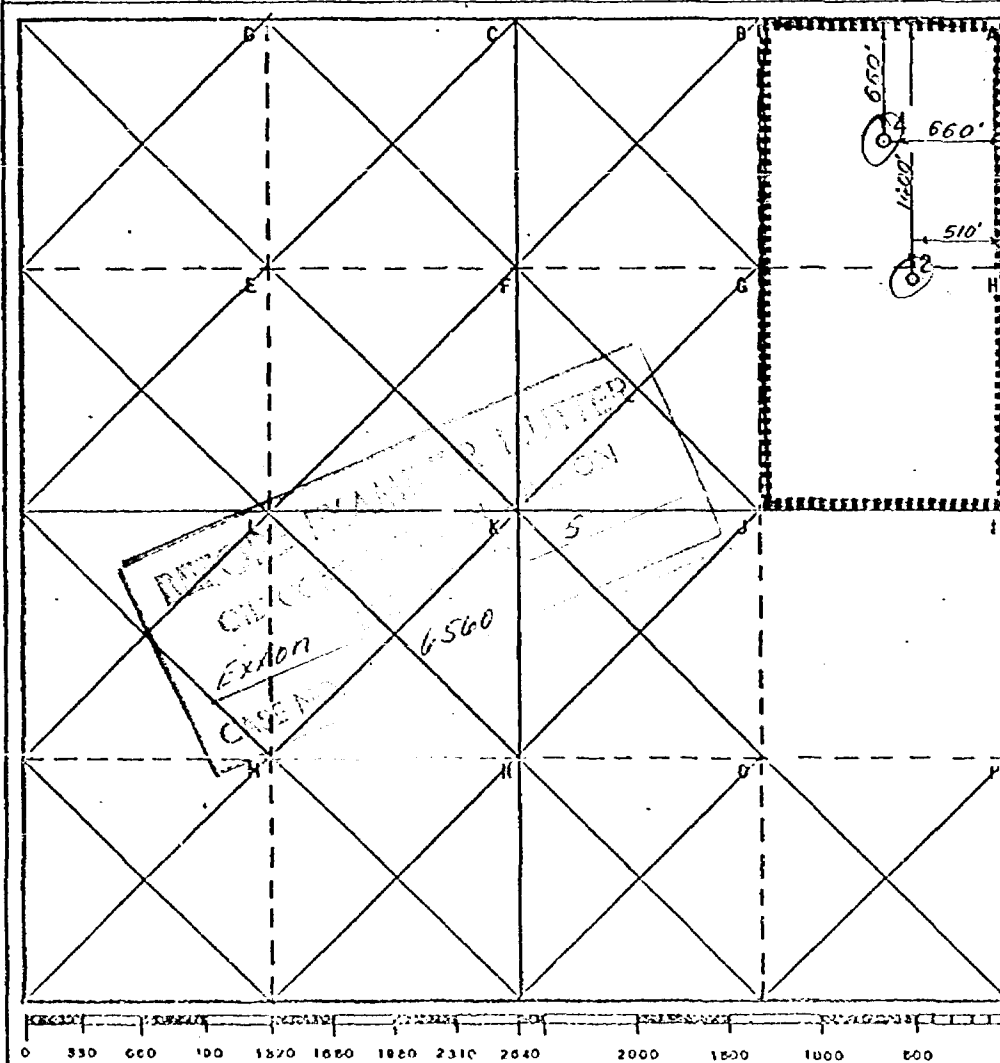
Operator Exxon Corporation		Lease New Mexico AB State		Well No. 4
Unit Letter A	Section 16	Township 24 South	Range 37 East	County Lea
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East line				
Ground Level Elev: _____	Producing Formation Yeso	Pool Fowler Upper Yeso	Dedicated Acreage: 80 Acres	

1. Outline the acreage dedicated to the subject well by colored-pencil or hatchure 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.

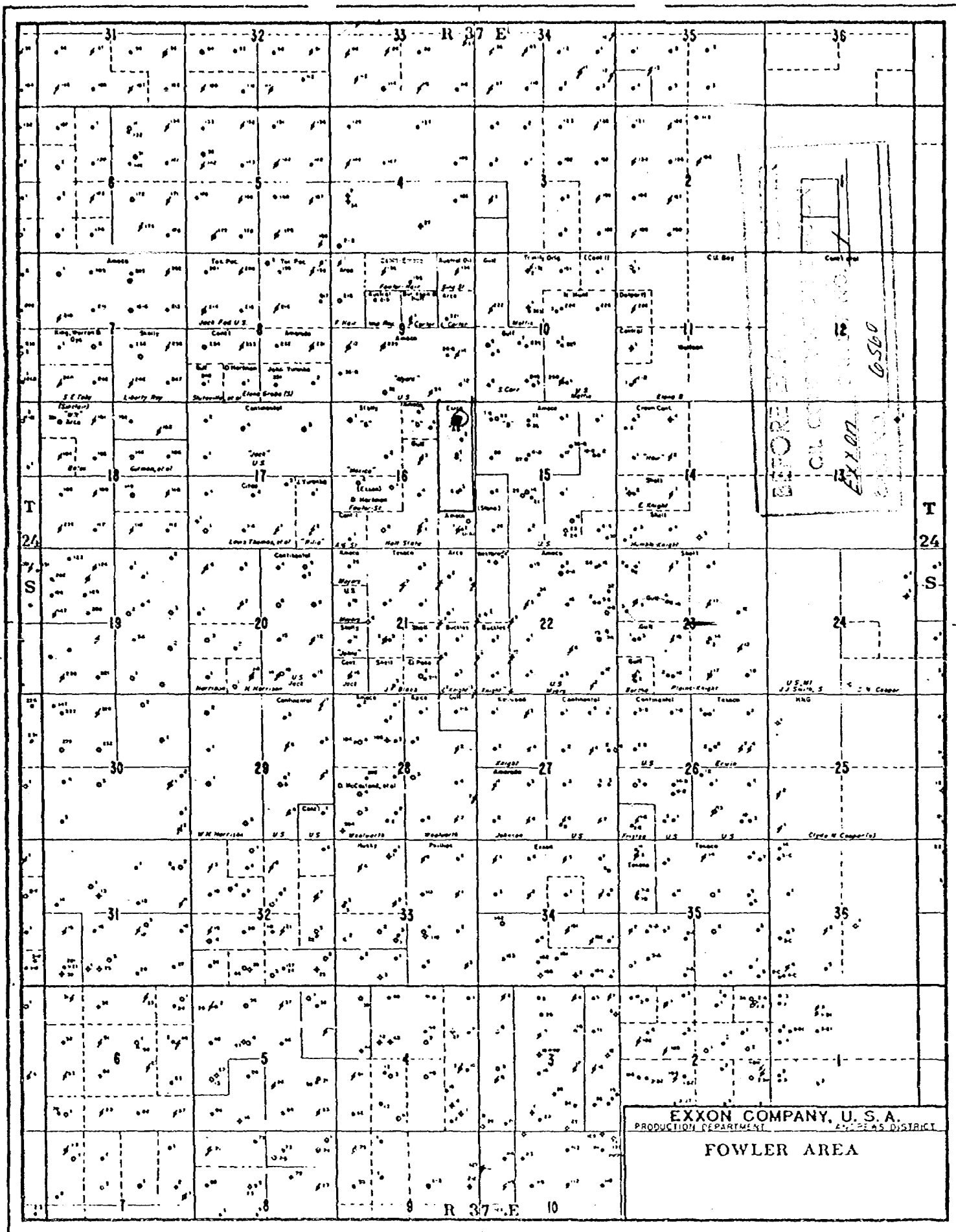
Name
Melba Knepling
Position
Proration Specialist
Company
Exxon Corporation
Box 1600 Midland, Texas
Date
1-17-79

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
1/15/79
Registered Professional Engineer and/or Land Surveyor
H.S. Hesterfeld
Certificate No.
1382

7.4 Miles N-NE of _____, New Mexico

C.E. Sec. File No. W-A-7137-A



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

5-1-61
5-1-61

Applicant Exxon Corporation		County Lea	Date 5-3-79
Address Box 1600, Midland, Texas 79702		Lease New Mexico "AB" State	Well No. 4
Unit A	Section 16	Township 24-S	Range 37-E

as 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

If answer is yes, identify one such instance: Order No. _____; Operator Lease, and Well No.: _____

The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
Name of Pool and Formation	Langlie Mattix Seven		Fowler Upper Yesso
Top and Bottom of Pay Section (Perforations)	Rivers Queen 3201-3481		5234-5691
Type of production (Oil or Gas)	Gas		Oil
Method of Production (Flowing or Artificial Life)	Flow		Artificial Lift

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 112-A.) |

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

Amoco Production Company, Drawer A, Levelland, Texas 79336

Gulf Exploration and Production Company, Box 1150, Midland, Texas 79702

APPROVED FOR MULTIPLE COMPLETION
EXXON
CASE NO. 6560

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 5-14-79.

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ (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.

G. T. Jackson

G. T. Jackson Signature Unit Head

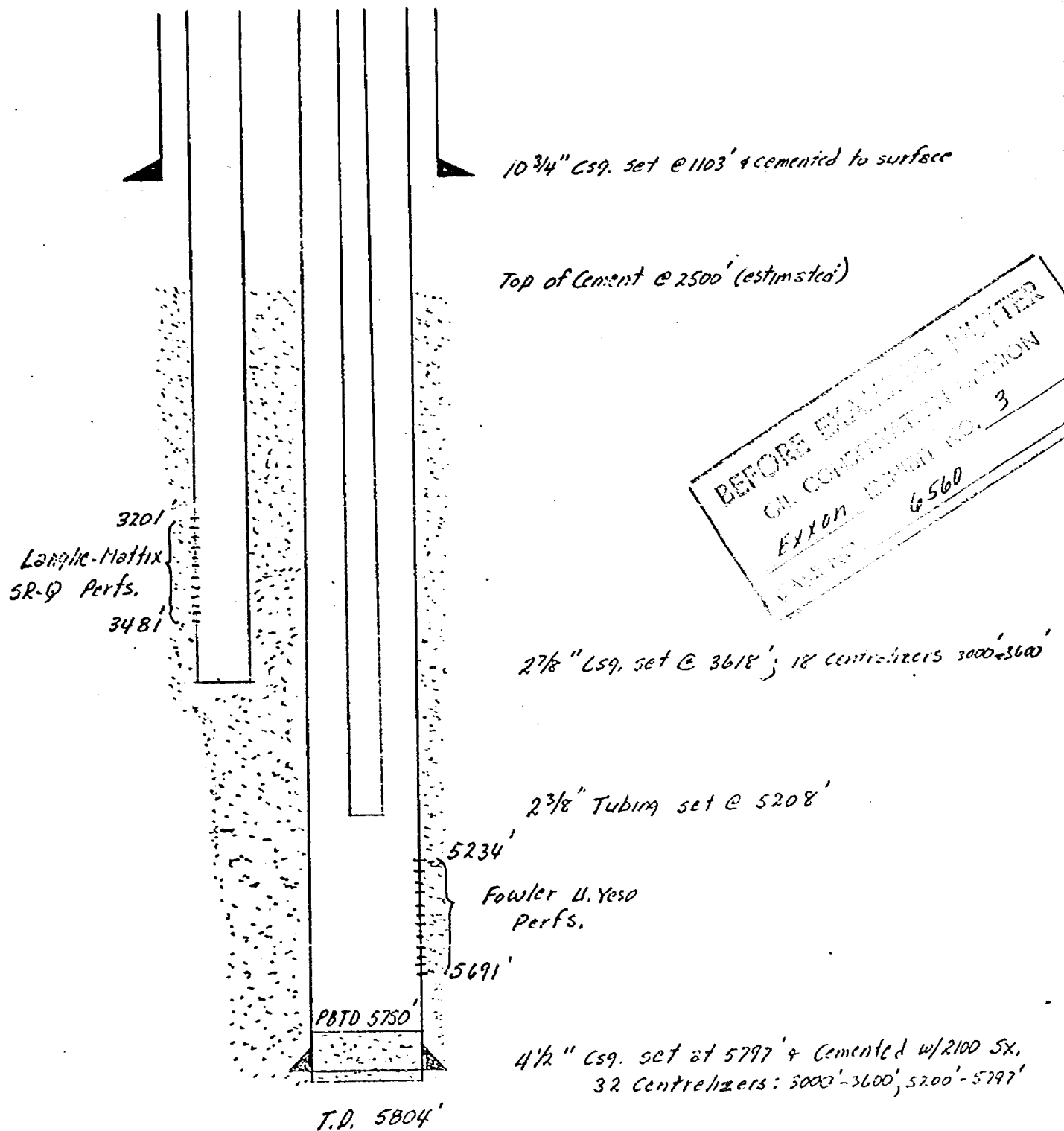
Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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 production unit in one or more of the producing zones, then separate applications for approval of the same should be filed simultaneously with this application.

WELLBORE SKETCH

Exxon, New Mexico "AB" State No. 4

Lee County, New Mexico



Federal Lse. No. _____ All distances must be from the outer boundaries of the Section.

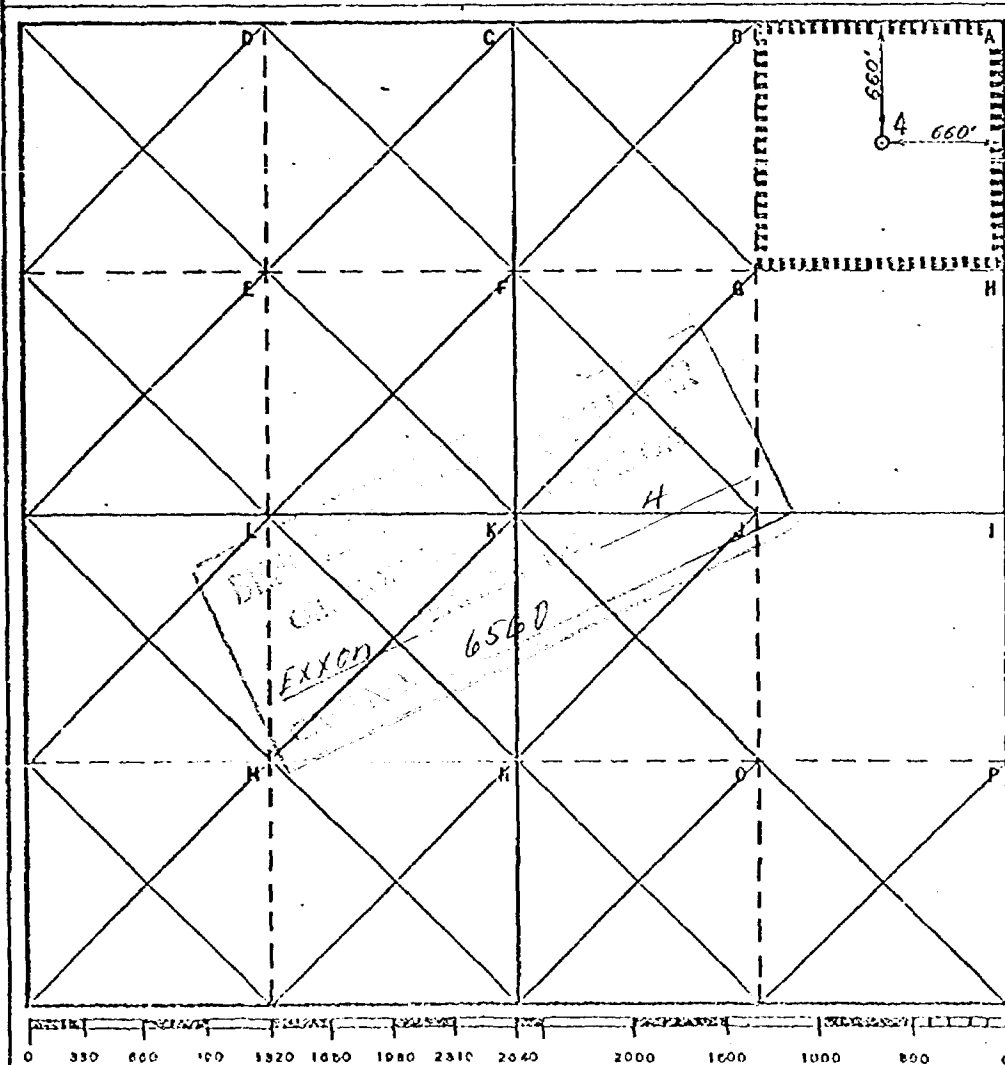
Operator Exxon Corporation		Lease New Mexico AB State		Well No. 4
Unit Letter A	Section 16	Township 24 South	Range 37 East	County Lea
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the east line				
Ground Level Elev: _____	Producing Formation Bottom 100' of Seven Rivers & Queen	Pool Langlie-Mattix-Seven Rivers-Queen	Dedicated Acreage: 40 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
Melba Knippling
Position
Proration Specialist

Company Exxon Corporation
Box 1600 Midland, Texas

Date
1-17-79

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
1/15/79

Registered Professional Engineer
and/or Land Surveyor

M. S. Westergaard
Certificate No.
1382

7.4 Miles N-NE of Jal, New Mexico

C.E. Sec. File No. V-A-7137

Exxon Lse. No. _____ N MEXICO OIL CONSERVATION COMMISS' I
State Lse. No. _____ WELL LOCATION AND ACREAGE DEDICATION PLAT
Federal Lse. No. _____ All distances must be from the outer boundaries of the Section.

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

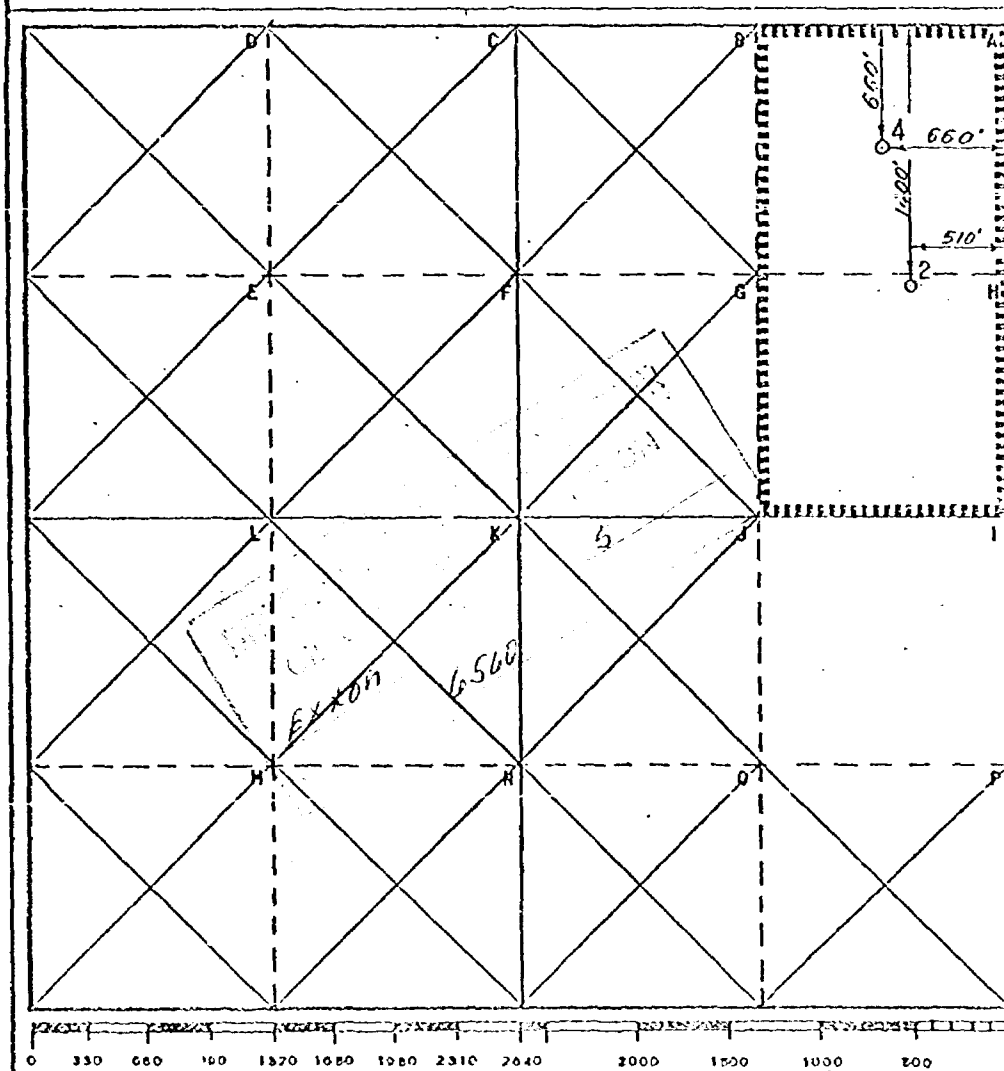
Operator Exxon Corporation		Lease New Mexico AB State		Well No. 4
Unit Letter A	Section 16	Township 24 South	Range 37 East	County Lea
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East line				
Ground Level Elev:	Producing Formation Yeso	Pool Fowler Upper Yeso	Dedicated Acreage: 80 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

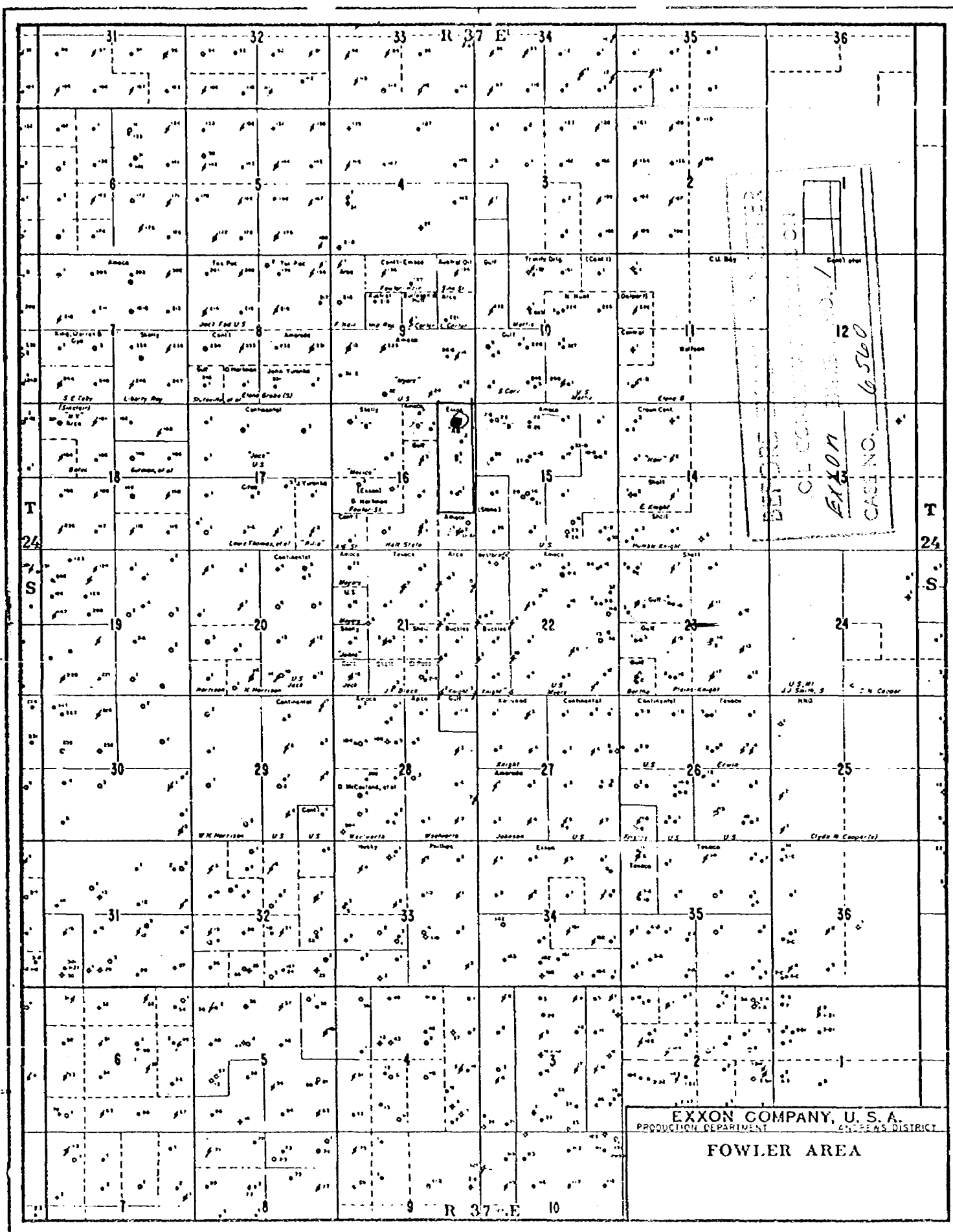
Name
Michael Krieppling
Position
Proration Specialist
Company Exxon Corporation
Box 1600 Midland, Texas
Date
1-17-79

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
1/15/79
Registered Professional Engineer and/or Land Surveyor
H.S. Sheatorfeld
Certificate No. 1382

7.4 Miles N-NE of Jal, New Mexico

C.E. Sec. File No. W-A-7137-A



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

11146-2 17 516m 6-107 19
5-1-61

Applicant Exxon Corporation		County Lea	Date 5-3-79
Address Box 1600, Midland, Texas 79702		Lease New Mexico "AB" State	Well No. 4
Unit A	Section 16	Township 24-S	Range 37-E

Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same areas within one mile of the subject well? YES _____ NO X

If answer is yes, identify one such instance: Order No. _____; Operator Lease, and Well No.: _____

The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
Name of Pool and Formation	Langlie Mattix Seven		Fowler Upper Yeso
Top and Bottom of Pay Section (Perforations)	Rivers Queen 3201-3481		5234-5691
Type of production (Oil or Gas)	Gas		Oil
Method of Production (Flowing or Artificial Lift)	Flow		Artificial Lift

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 112-A.) |

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

Amoco Production Company, Drawer A, Levelland, Texas 79336

Gulf Exploration and Production Company, Box 1150, Midland, Texas 79702

APPROVED BY	DEVON E. KAMM, JR.
DATE	5-14-79
CASE NO.	6560

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 5-14-79.

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ (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.

G. T. Jackson

G. T. Jackson

Signature

Unit Head

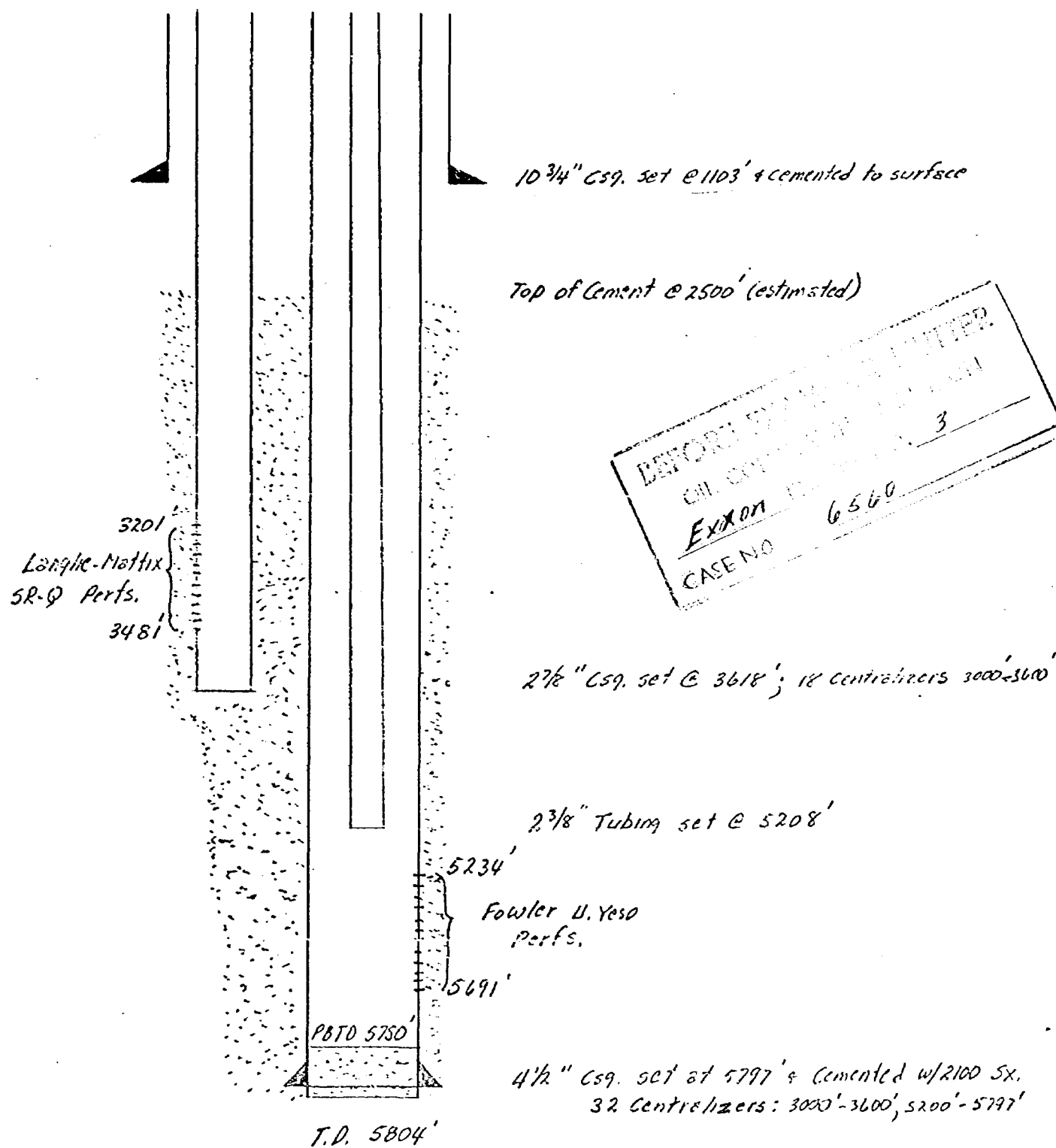
Unless waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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.

WELLBORE SKETCH

Exxon, New Mexico "AB" State No. 4

Lee County, New Mexico



Federal Les. No. _____ All distances must be from the outer boundaries of the Section.

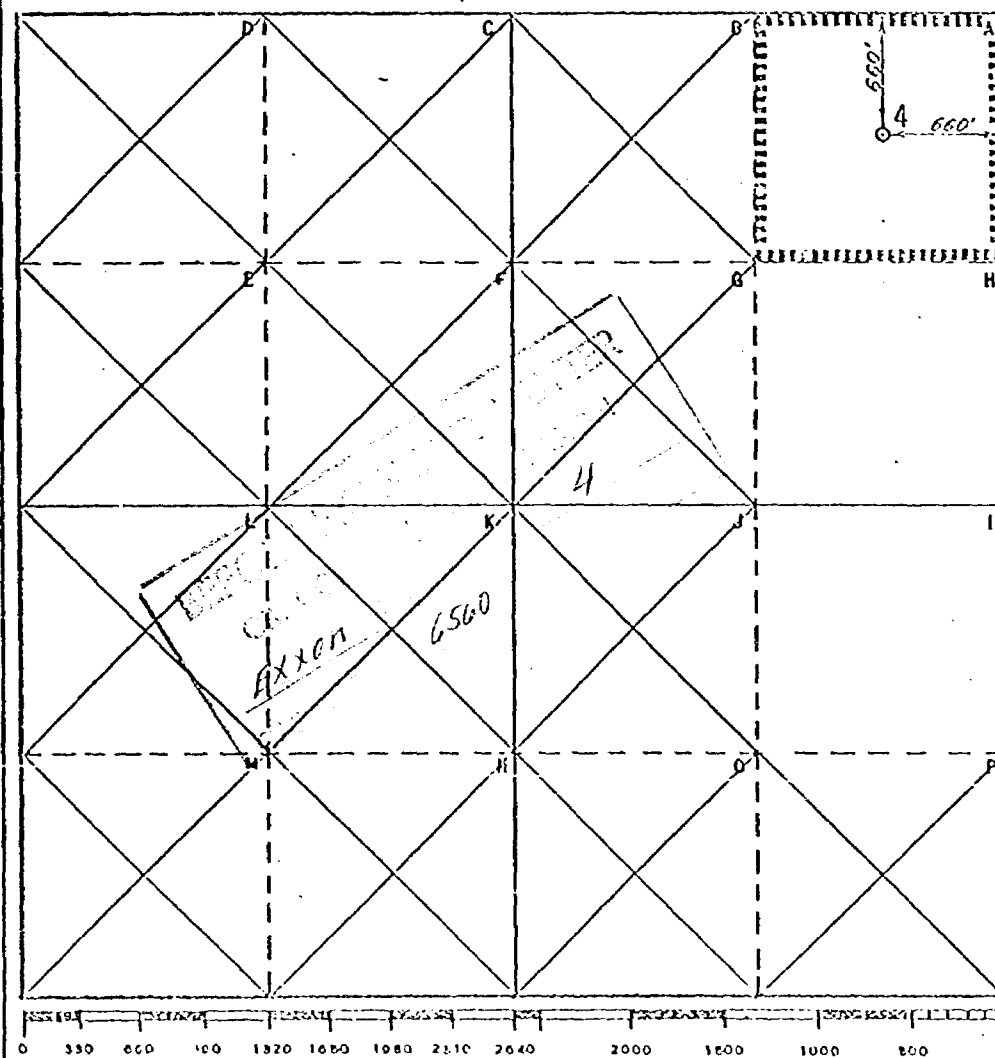
Operator Exxon Corporation			Lease New Mexico AB State		Well No. 4
Unit Letter A	Section 16	Township 24 South	Range 37 East	County Lea	
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the east line					
Ground Level Elev. of Seven Rivers & Queen	Producing Formation Bottom 100'		Pool Langlie-Mattix-Seven Rivers-Queen	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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
Melvin Knippling
Position
Proration Specialist
Company
Exxon Corporation
Box 1600 Midland, Texas
Date
1-17-79

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
1/15/79
Registered Professional Engineer
and/or Land Surveyor
H.S. Waterfield
Certificate No.
1382

7.4 Miles N-NE of **Jal**, New Mexico

C.E. Sec. File No. **W-A-7137**

Federal Les. No. _____ All distances must be from the outer boundaries of the Section.

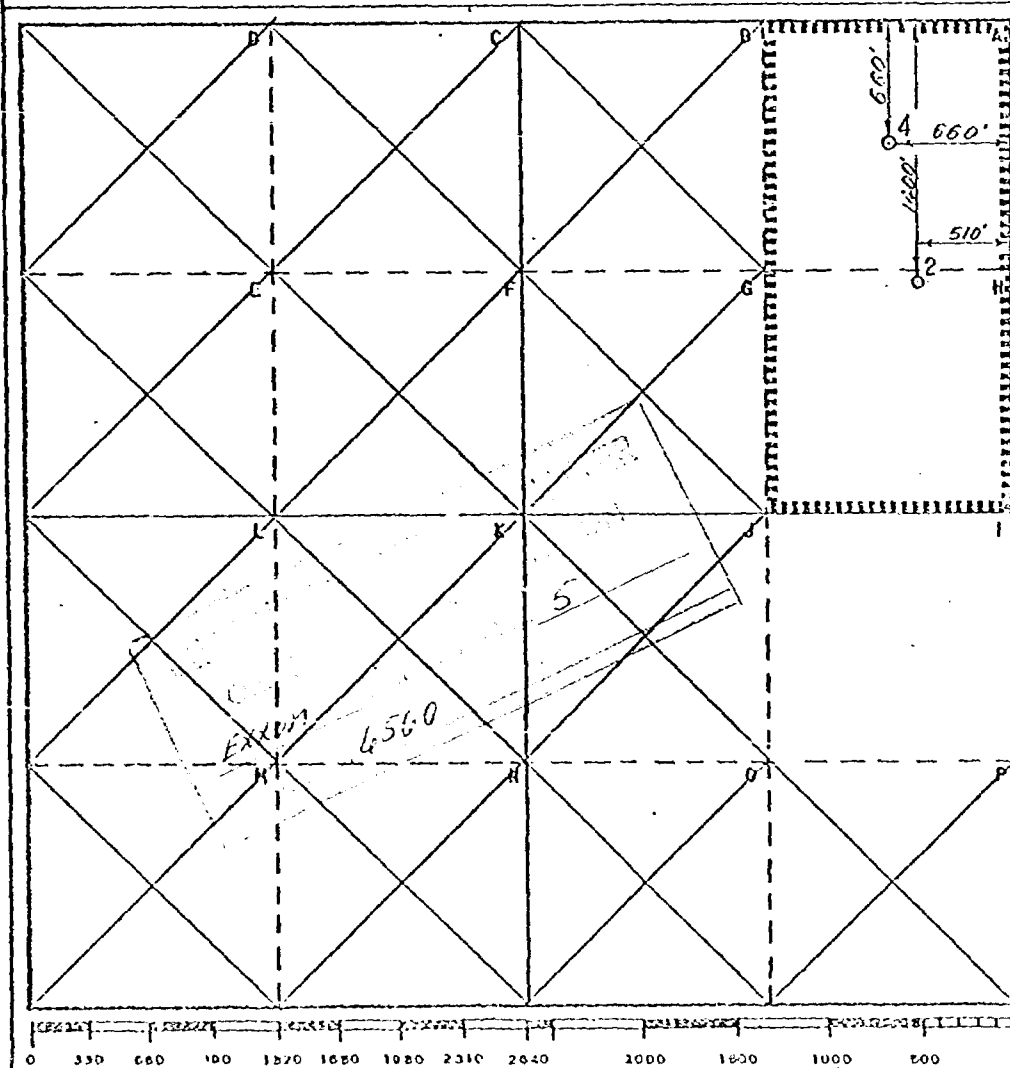
Operator Exxon Corporation		Lease New Mexico AB State		Well No. 4
Unit Letter A	Section 16	Township 24 South	Range 37 East	County Lea
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East line				
Ground Level Elev. _____	Producing Formation Yeso	Pool Fowler Upper Yeso	Dedicated Acreage: 80 Acres	

1. Outline the acreage dedicated to the subject well by colored-pencil or hatchure 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
Messia Knepling
Position
Proration Specialist
Company Exxon Corporation
Box 1600 Midland, Texas
Date
1-17-79

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
1/15/79
Registered Professional Engineer
and/or Land Surveyor
H.S. Hesterfeld
Certificate No.
1382

7.4 Miles N-NE of Jal, New Mexico

C.E. Sec. File No. W-A-7137-A

Dockets Nos. 24-79 and 25-79 are tentatively set for hearing on June 27 and July 11, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - WEDNESDAY - JUNE 6, 1979

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

CASE 6495: (DE NOVO)

Application of Amax Chemical Corporation for the amendment of Order No. R-111-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-111-A to extend the boundaries of the Potash-Oil Area by the inclusion of certain lands in Sections 23 and 24, Township 19 South, Range 29 East, Sections 1, 4, 5, 6, 7, 11, 12, 13, 14, 19, 20, 23, 24, and 29, Township 19 South, Range 30 East, and Sections 7, 8, 17, 18, and 19, Township 19 South, Range 31 East, all in Eddy County, New Mexico.

Upon application of Amax Chemical Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 13, 1979

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, 1979, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.

(2) Consideration of the allowable production of gas for July, 1979, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 6560: Application of Exxon Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (combination) of its "AB" State Well No. 4 located in Unit A of Section 16, Township 24 South, Range 37 East, to produce gas from the Langlie Mattix Pool and oil from the Fowler-Upper Yeso Pool, through parallel strings of casing cemented in a common well bore.

CASE 6561: Application of Amoco Production Company for directional drilling, Lea County, New Mexico. Applicant, in the above-styled cause, proposes to directionally drill its State "HC" Well No. 1 located 1980 feet from the South and West lines of Section 21, Township 16 South, Range 35 East, Townsend Field, to a bottom hole location within 100 feet of a point 990 feet from the South line and 2310 feet from the East line of said Section 21, the S/2 of said Section 21 to be dedicated to the well.

CASE 6562: Application of Orla Petco, Inc. for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Ramsey Sand of the Bell Canyon formation through the open hole interval from 2498 feet to 2508 feet in its Courley-Federal Well No. 4 located in Unit J of Section 31, Township 22 South, Range 28 East, Herradura Bend-Delaware Pool.

CASE 6563: Application of Roy L. McKay for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for his North Woolworth Ranch Unit Area, comprising 1,280 acres, more or less, of State lands in Township 23 South, Range 35 East.

CASE 6564: Application of Herndon Oil & Gas Co. for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its O. A. Woody Well No. 1 in the center of Unit E, Section 35, Township 16 South, Range 38 East, Knowles-Devonian Pool.

CASE 6565: Application of Lewis B. Burleson, Inc. for compulsory pooling, a non-standard gas proration unit, and an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Jalmat Gas Pool underlying the W/2 SE/4 of Section 20, Township 25 South, Range 37 East, to form an 80-acre non-standard gas proration unit to be dedicated to a well to be drilled at an unorthodox location 1650 feet from the South and East lines of said Section 20. 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 6566: Application of Lewis B. Burleson, Inc. for an unorthodox well location and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the SW/4 of Section 10, Township 24 South, Range 36 East, Jalmat Gas Pool, to be dedicated to a well to be drilled 2310 feet from the South and West lines of said Section 10.
- CASE 6567: Application of Newbourne Oil Company for an unorthodox well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State 25 Com Well No. 1 660 feet from the South line and 1650 feet from the West line of Section 25, Township 14 South, Range 27 East, Buffalo Valley-Pennsylvanian Gas Pool, the S/2 of said Section 25 to be dedicated to the well.
- CASE 6568: Application of Dallas McCasland for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well spacing requirements and a finding that the drilling of his Woolworth Well No. 5 located in Unit P of Section 28, Township 24 South, Range 37 East, Jalmat Gas Pool, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.
- CASE 6569: Application of Continental Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Lockhart A-17 Well No. 2 located in Unit I of Section 17, Township 21 South, Range 37 East, to produce gas from the Eumont Gas Pool through the casing-tubing annulus and oil from the Blinebry Oil and Gas Pool through tubing.
- CASE 6570: Application of Continental Oil Company for a non-standard gas proration unit and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 22²-acre non-standard gas proration unit comprising the SW/4 and S/2 SE/4 of Section 18, Township 21 South, Range 36 East, Eumont Gas Pool, to be simultaneously dedicated to applicant's Lockhart A-18 Wells Nos. 2, 3, and 4, located in Units O, K, and M, respectively, of said Section 18.
- CASE 6571: Application of Continental Oil Company for vertical pool limit redefinition, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order extending the vertical limits of the Langlie Mattix Pool to include the lowermost 165 feet of the Seven Rivers formation and the concomitant contraction of the vertical limits of the Jalmat Gas Pool underlying the following described lands: SW/4 W/2 SE/4 and SE/4 SE/4 of Section 35, Township 23 South, Range 36 East; and NW/4, W/2 NE/4, and SE/4 NE/4 of Section 1, Township 24 South, Range 36 East.
- CASE 6537: (Continued from May 9, 1979, Examiner Hearing)
- Application of Harper Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its West Ranger Lake Unit Area, comprising 1,120 acres, more or less, of State lands in Township 12 South, Range 34 East, Lea County, New Mexico.
- CASE 6553: (Continued from May 23, 1979, Examiner Hearing)
- Application of The Atlantic Richfield Company for approval of infill drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the Division waived existing well-spacing requirements and found that the drilling of additional wells was necessary to effectively and efficiently drain those portions of the proration units in the Empire Abo Unit located in Townships 17 and 18 South, Ranges 27, 28 and 29 East, which could not be so drained by the existing wells.
- CASE 6572: Application of ARCO Oil and Gas Company to drill a horizontal drainhole, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval to drill and complete its Empire Abo Unit Well No. K-142, located in Unit K of Section 2, Township 18 South, Range 27 East, Empire-Abo Pool, with a single horizontal drainhole of about 200 feet in length in the Abo formation.
- CASE 6573: Application of Mesa Petroleum Company for directional drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the directional drilling of its Well No. 7 in the Nash Unit, the surface location of which would be 685 feet from the North line and 1295 feet from the West line of Section 18, to be vertically drilled to approximately 7,000 feet, and then directionally drilled to a bottom hole location in the Morrow formation within 400 feet of a point 1315 feet from the South line and 1320 feet from the West line of Section 7, all in Township 23 South, Range 30 East.
- CASE 6574: Application of Texas Oil & Gas Corp. for an unorthodox gas well location and compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp through Morrow formations underlying the E/2 of Section 6, Township 17 South, Range 35 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South and East lines of said Section 6. 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 6535: (Continued from May 23, 1979, Examiner Hearing)

Application of Torreon Oil Company for a waterflood project, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the San Luis-Mesaverde Pool by the injection of water into the Menefee formation through two wells located in Section 21, Township 18 North, Range 3 West, Sandoval County, New Mexico.

CASE 6575: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, contracting the vertical limits, and extending the horizontal limits of certain pools in Eddy, Lea, and Roosevelt Counties, New Mexico:

(a) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the Cass Draw-Wolfcamp Gas Pool. The discovery well is Black River Corporation Miller Com Well No. 1 located in Unit C of Section 10, Township 23 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM
Section 10: N/2

(b) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Abo production and designated as the Runyan Ranch-Abo Gas Pool. The discovery well is Mesa Petroleum Company Runyan Federal Com Well No. 1 located in Unit E of Section 17, Township 19 South, Range 23 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 23 EAST, NMPM
Section 17: NW/4

(c) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Runyan Ranch-Morrow Gas Pool. The discovery well is Mesa Petroleum Company Gardner State Well No. 1 located in Unit K of Section 8, Township 19 South, Range 23 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 23 EAST, NMPM
Section 8: W/2

(d) EXTEND the Austin-Mississippian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 36 EAST, NMPM
Section 16: SE/4
Section 17: NE/4

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

TOWNSHIP 21 SOUTH, RANGE 26 EAST, NMPM
Section 28: N/2

(f) EXTEND the Avalon-Wolfcamp Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 26 EAST, NMPM
Section 21: SW/4
Section 28: N/2

(g) EXTEND the Buffalo-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM
Section 6: N/2

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

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM
Section 12: S/2
Section 13: N/2

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

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

(j) EXTEND the South Culebra Bluff-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM
Section 22: N/2
Section 35: N/2

- (k) EXTEND the Diamond Mound-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 27 EAST, NMPM
Section 12: N/2

- (l) EXTEND the Dublin Ranch-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM
Section 21: E/2

- (m) EXTEND the East Eagle Creek Atoka-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
Section 13: S/2

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

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 19: S/2

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

TOWNSHIP 20 SOUTH, RANGE 36 EAST, NMPM
Section 32: W/2

- (p) EXTEND the Hardy-Blinebry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 2: E/2 SE/4 and SW/4 SE/4

- (q) EXTEND the Herradura Bend-Delaware Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM
Section 5: E/2 NW/4

- (r) EXTEND the Indian Flats-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM
Section 25: S/2
Section 36: W/2

- (s) EXTEND the Kennedy Farms-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 26 EAST, NMPM
Section 10: S/2
Section 11: S/2
Section 16: E/2

- (t) EXTEND the East Lake-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM
Section 32: W/2

- (u) EXTEND the Logan Draw-Cisco Canyon Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM
Section 28: W/2

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

TOWNSHIP 24 SOUTH, RANGE 28 EAST, NMPM
Section 16: N/2

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

TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM
Section 25: N/2

- (x) EXTEND the South Peterson-Fusselman Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 5 SOUTH, RANGE 33 EAST, NMPM
Section 31: NW/4

(y) CONTRACT the vertical limits of the Shoe Bar-Pennsylvanian Gas Pool in Lea County, New Mexico, to the Atoka formation only and redesignate said pool as the Shoe Bar-Atoka Gas Pool, and extend the horizontal limits of said pool to include therein:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM
Section 34: SW/4

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM
Section 3: N/2

(z) EXTEND the Teague-Abo Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 22: S/2
Section 27: NE/4

(aa) EXTEND the Todd-Wolfcamp Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM
Section 22: NE/4

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

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
Section 30: W/2

(cc) EXTEND the West Tonto-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM
Section 7: NW/4

(dd) EXTEND the Turkey Track-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 14: W/2
Section 15: E/2
Section 23: All
Section 24: W/2

(ee) EXTEND the Wantz-Granite Wash Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 3: SE/4
Section 10: NE/4

EXXON COMPANY, U.S.A.
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702

PRODUCTION DEPARTMENT
MIDCONTINENT DIVISION
L. H. BYRD
MANAGER

May 29, 1979



Re: Hearing - Application For
Multiple Completion
New Mexico "AB" State #4
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Carl G. Ulvog

Gentlemen:

This letter is to confirm our request for hearing on June 13, 1979, to consider Exxon's "Application for Multiple Completion", Form No. C-107, dated May 3, 1979, on the subject well. This well is to be dually completed in the Langlie Mattix Seven Rivers Queen Gas Pool and the Fowler Upper Yeso Oil Pool.

Form C-107, with attachments, has been previously submitted to the Commission. Offset operators were furnished a copy of Form C-107 on May 14, 1979.

Yours very truly,


L. H. Byrd

JKL/slc

cc: Mr. B. J. Ingram
Mr. P. Q. Tate
Mr. J. A. Dalious

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

Form C-107
5-1-61

Case 6560

Applicant Exxon Corporation		RECEIVED MAY 1 9 1979		Date 5-3-79
Address Box 1600, Midland, Texas 79702				Well No. 4
Location of Well A	Unit 16	Section 16	New Mexico "AB" State 37-E	
		OIL CONSERVATION DIVISION SANTA FE 4-S		

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	Langlie Mattix Seven		Fowler Upper Yesso
b. Top and Bottom of Pay Section (Perforations)	Rivers Queen 3201-3481		5234-5691
c. Type of production (Oil or Gas)	Gas		Oil
d. Method of Production (Flowing or Artificial Lift)	Flow		Artificial 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 112-A.) |

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

Amoco Production Company, Drawer A, Levelland, Texas 79336

Gulf Exploration and Production Company, Box 1150, Midland, Texas 79702

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 5-14-79.

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ (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.

C. T. Jackson
for C. T. Jackson Signature Unit Head

*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 proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

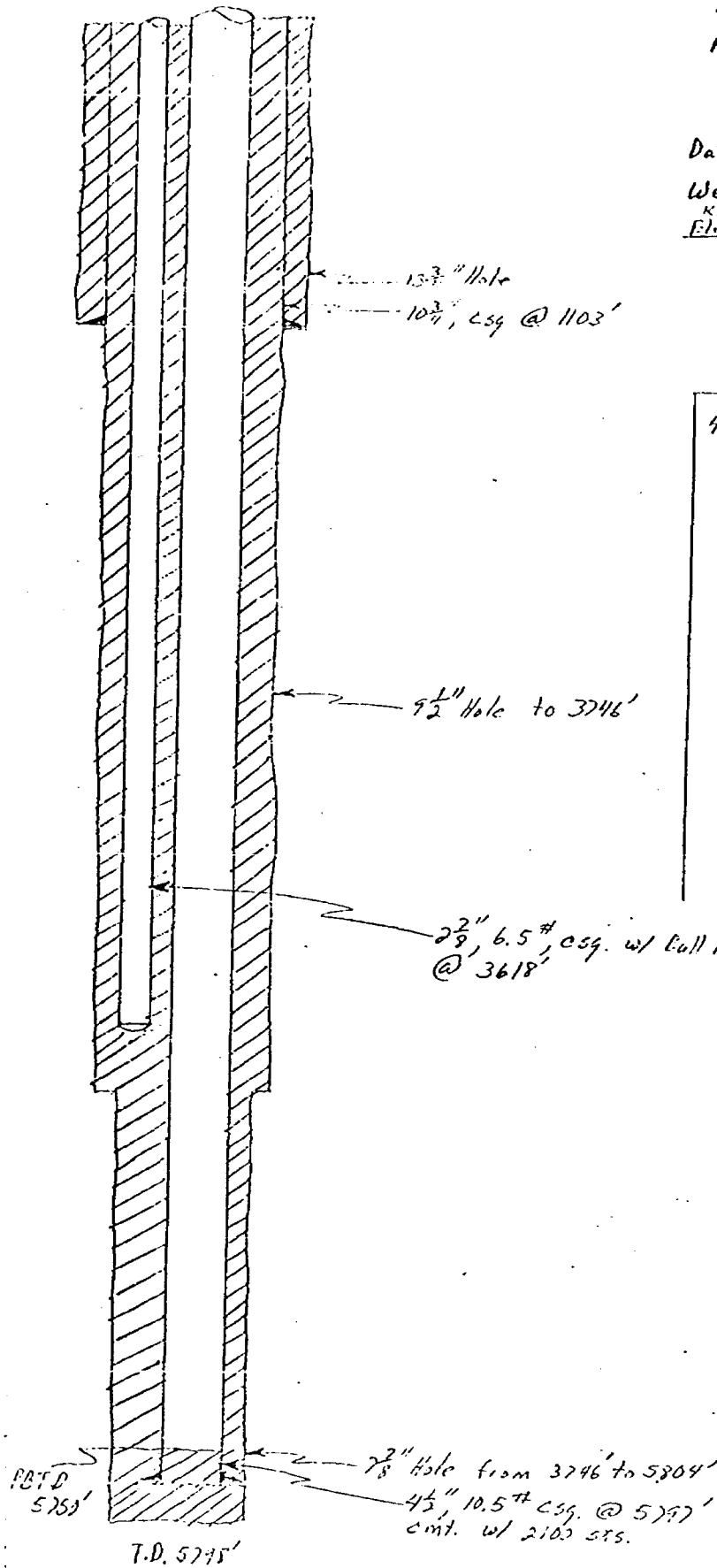
Exxon Company U.S.A.
Andrews District

Wellbore Sketch

Date: 5-9-79

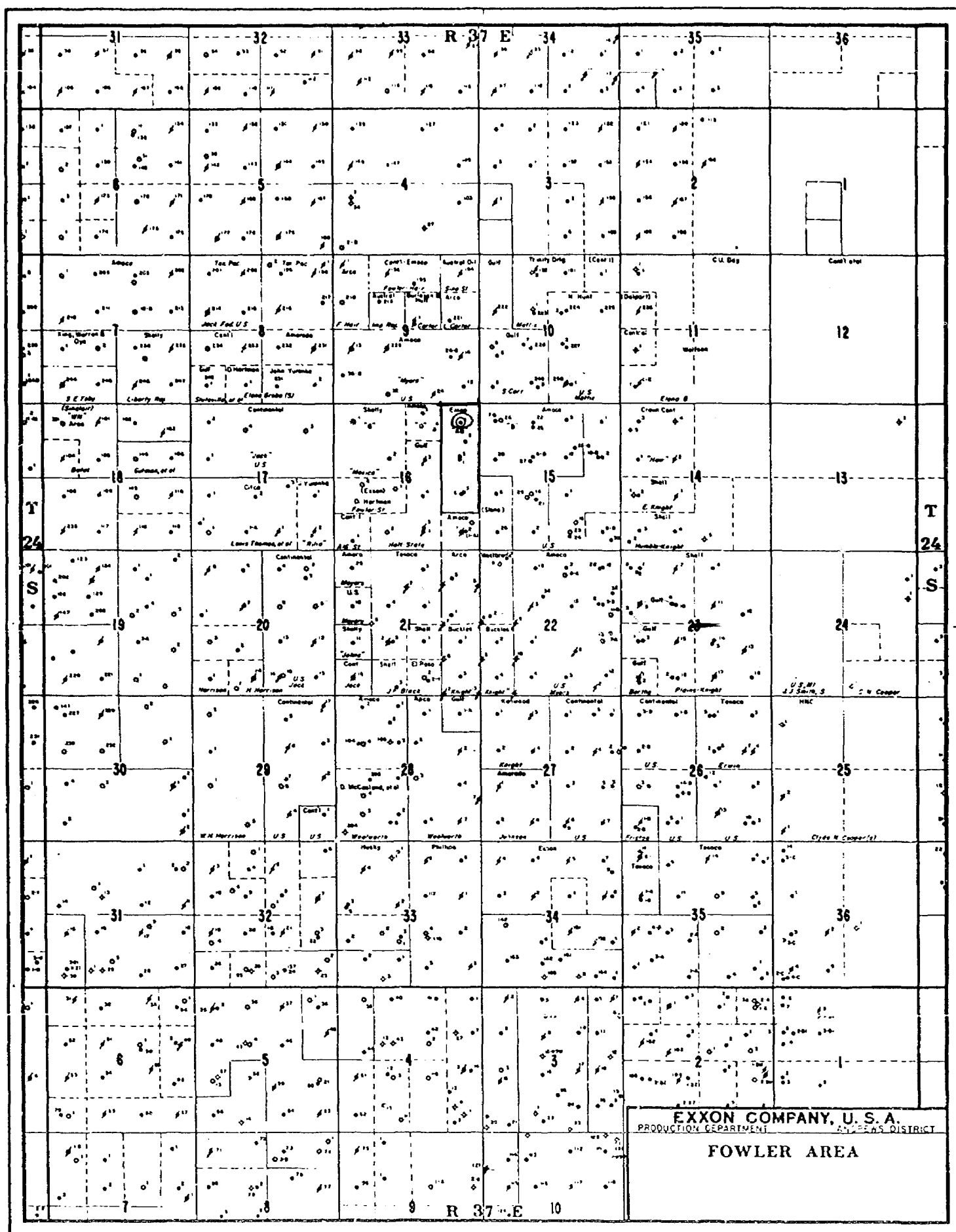
Well: N.M. 'AB' St. #4

KB Elev 3285' 2¹⁰/₁₆ 13' Above: G.L.



Wellbore History

4-79 D.V.C. perforated 2 3/8" cas
@ 3481', 3478', 3475',
3456'-58', 3450'-52', +
3422'-24' w/ 1 sp2t, 3408'
3407', 3358', 3351', 3348'
3332'-44' 1 sp2t, 3325', 3321',
3317', 3314', 3300', 3288'
3277'-3291' 3265'-71' + 3262'
3262' w/ 1 sp2t, 3256', 3254',
3253', 3246', 3232'-40', 3224',
3219'-21' + 3212'-16' w/ 1 sp2t
3207', 3201'-3203' 1 sp2t.
Perforated 4 1/2" casing @
5689'-91' 1 sp2t, 5665'-71' +
5658'-5662' 1 sp2t, 5655',
5649', 5600', 5587'-89' 1 sp2t
5528', 5517'-23' 1 sp2t, 5501',
5470'-73' 1 sp2t, 5466',
5460'-63' 1 sp2t, 5456', 5440'-60'
5425'-33' 1 sp2t, 5418', 5405'-60'
5353'-69', 5346' 46', 5308'-10',
+ 5234'-66' 1 sp2t
centralizers used in
both 2 3/8" + 4 1/2" Csg



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

Form C-107
5-1-61

Operator Exxon Corporation		County Lea	Date 5-3-79
Address Box 1600, Midland, Texas 79702		Well No. 4	
Location of Well A	Unit 16	Section 16	Range 37-E

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	Langlie Mattix Seven		Fowler Upper Yesso
b. Top and Bottom of Pay Section (Perforations)	Rivers Queen 3201-3481		5234-5691
c. Type of production (Oil or Gas)	Gas		Oil
d. Method of Production (Flowing or Artificial Lift)	Flow		Artificial 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 112-A.) |

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

Amoco Production Company, Drawer A, Levelland, Texas 79336

Gulf Exploration and Production Company, Box 1150, Midland, Texas 79702

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 5-14-79.

CERTIFICATE: I, the undersigned, state that I am the _____ of the _____ (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.

C. T. Jackson
C. T. Jackson Signature Unit Head

*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.

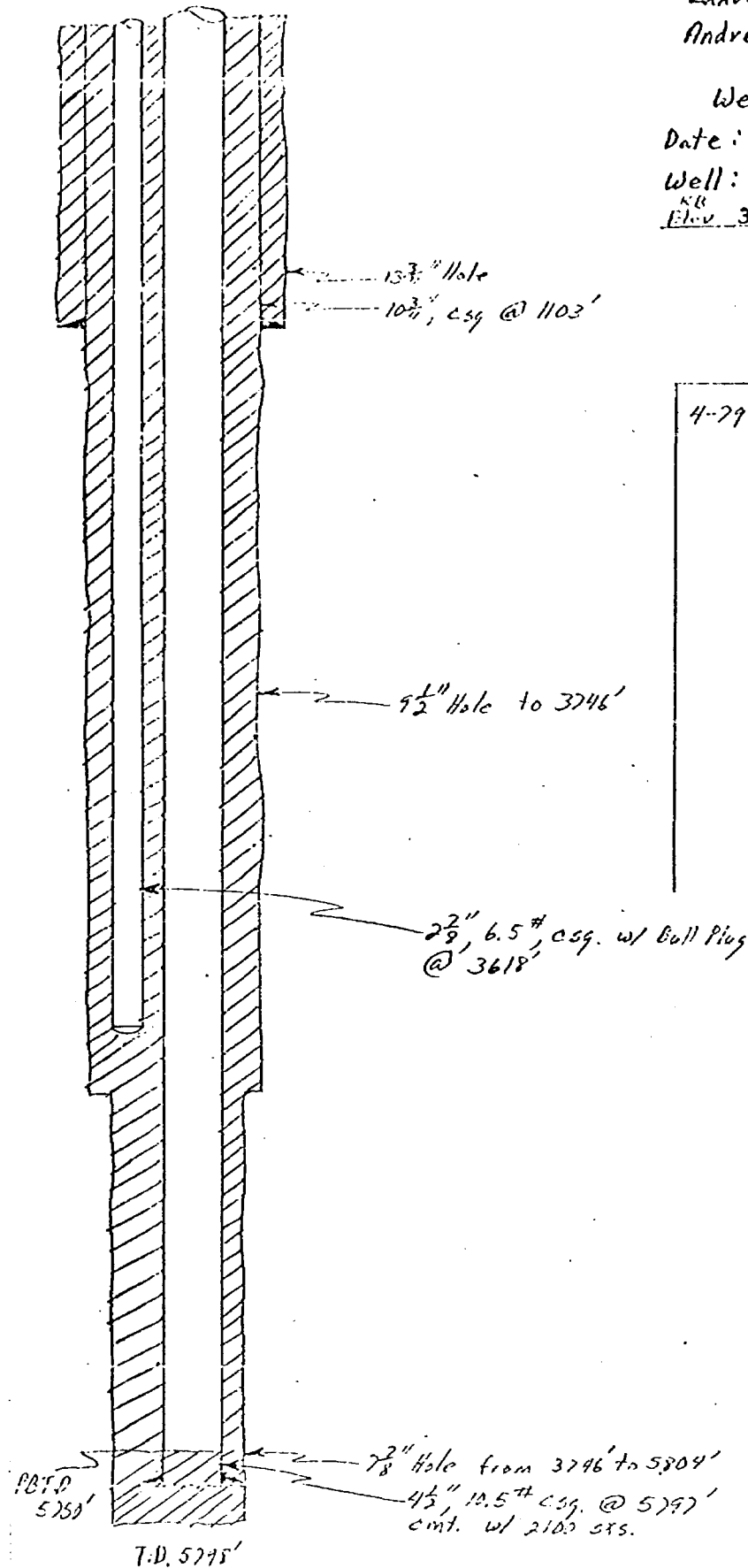
Exxon Company U.S.A.
Andrews District

Wellbore Sketch

Date: 5-9-79

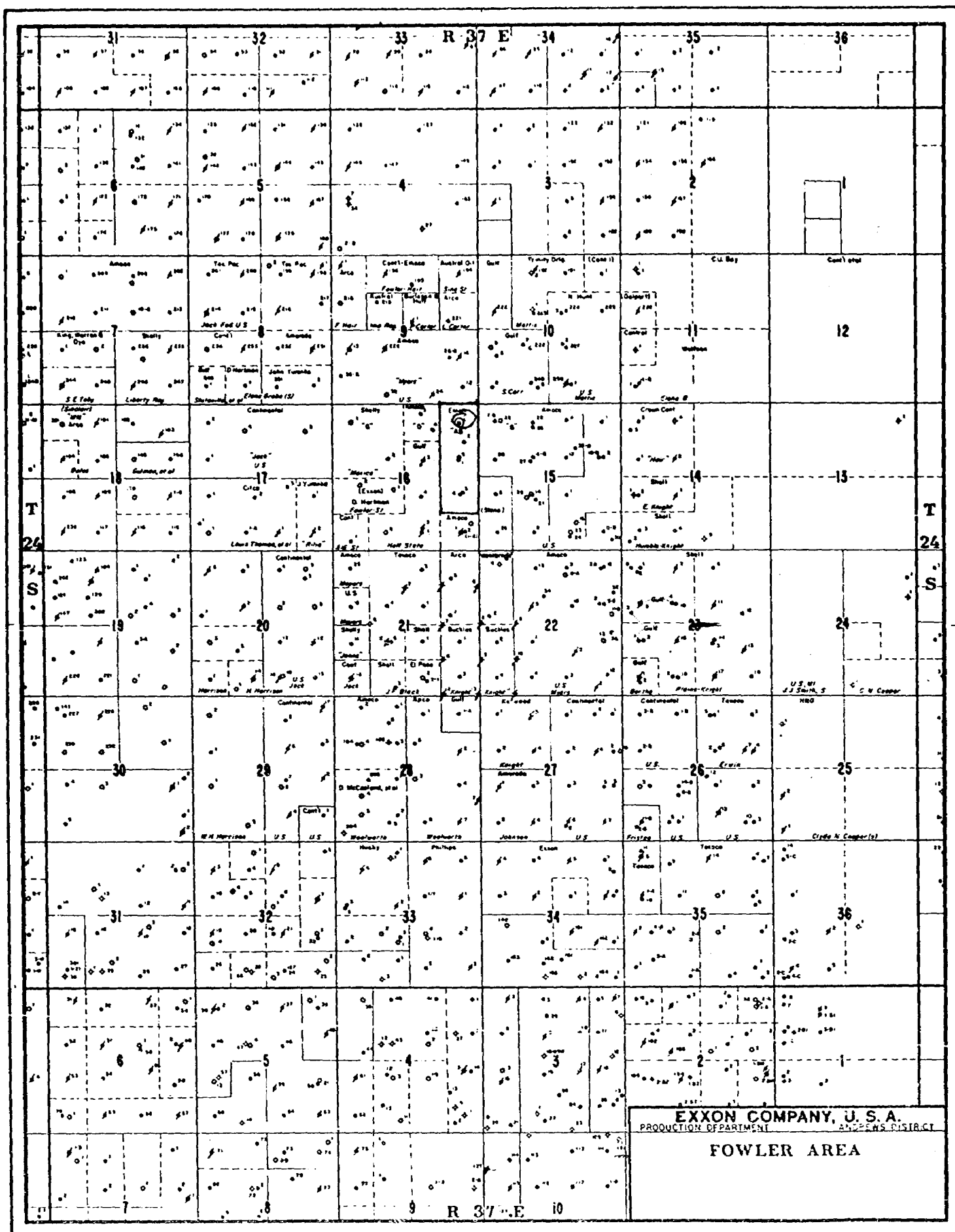
Well: N.M. 'AB' St. #4

KB Elev 3285' 2 1/2' 13' Above G.L.



Workbore History

4-79 D.C. perforated 2 7/8" cas
@ 3481', 3478', 3475',
3456'-58', 3450'-52', &
3422'-24' w/ 1 sp2t, 3408'
3407', 3359', 3357', 3348'
3332'-48' 5 sp2t, 3325', 332
3317', 3314', 3300', 3298'
3277'-3297', 3265'-71' & 326
3262' w/ 1 sp2t, 3256', 3254'
3253', 3246', 3232'-40', 3224'
3219'-21' & 3212'-16' w/ 1 sp2t
3207', 3201'-3203' 1 sp2t.
Perforated 4 1/2" casing @
5689'-91' 1 sp2t, 5665'-71' &
5658'-5662' 1 sp2t, 5655',
5649', 5600', 5587'-89' 1 sp2t
5528', 5517'-23' 1 sp2t, 5501',
5470'-73' 1 sp2t, 5446',
5460'-63' 1 sp2t, 5456', 5440'-60
5425'-23' 1 sp2t, 5418', 5405'-60
5385'-69', 5376'-46', 5368'-10',
& 5334'-66' 1 sp2t
centralizers used on
both 2 7/8" & 4 1/2" Csg



OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE May 16, 1979

RE: Proposed MC X
Proposed DHC _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated _____
for the Exxon Corp. New Mexico AB State #4-A 16-24-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.S.

RECEIVED
MAY 21 1979
OIL CONSERVATION DIVISION
SANTA FE

Yours very truly,

[Signature]

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. 6560

Order No. R- 6035

APPLICATION OF EXXON CORPORATION
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 13, 1979, at Santa Fe, New Mexico, before
Examiner Daniel S. Nutter.

NOW, on this _____ day of June, 1979, 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 Corporation,
seeks authority to complete its ^{New Mexico} "AB" State Well
No. 4, located in Unit A of Section 16, Town-
ship 24 South, Range 37 East, NMPM, Lea
County, New Mexico, as a dual completion (conventional) to
(combination)
(tubingless)
oil--
produce gas from the Langlie Mattix Pool and oil from the
Fowler-Upper Yeso Pool through parallel strings of casing cemented
^{2 7/8-inch and 4 1/2-inch}
in a common well bore.

(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, Exxon Corporation,
is hereby authorized to complete its ^{New Mexico} "AB" State
Well No. 4, located in Unit A of Section 16,
Township 24 South, Range 37 East, NMPM, Lea
County, New Mexico, as a dual completion (conventional)-
(combination)-
(tubingless)-
oil
to produce gas from the from the Langlie Mattix Pool and oil
from the Fowler-Upper Yeso Pool through parallel strings of 2 7/8 in
casing cemented in a common well bore.

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 zone
segregation tests upon completion and
annually thereafter during the Annual Gas-oil Ratio
Test Period for the Fowler-Upper Yeso 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.