iase Mo. 6560 arge 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) a dual completion, Lea County, New) Mexico.

CASE 6560

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

APPEARANCES

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 BO CERTIFIED SHORTHAND REPOP 1918 PINES BIRDGA (665) 47110

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I N D E X

J. K. LYTLE

Direct Examination by Mr. Coffield 3

Cross Examination by Mr. Nutter 10

Y WALTON BO' ED SHORTHAND REPOR LE. Blanca (898) 471-3 Fe, New Mexico 875

EXHIBITS

Applicant Exhibit One, Plat

Applicant Exhibit Two, C-107

Applicant Exhibit Three, Diagram

Applicant Exhibit Four, C-102

Applicant Exhibit Five, C-102

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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.

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

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sion as a petroleum engineer?

No, I haven't.

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

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

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

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

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

> Yes, sir. A.

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

Yes, I am.

MR. COFFIELD: Mr. Examiner, is the witness considered qualified?

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

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

by this application?

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

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

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

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

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

 ${\tt Exxon's\ lease\ is\ colored\ in\ yellow\ and}$ the well in question is colored with a red circle.

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

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

Commission's Form C-107, which is an Application for Multiple Completion. This application was submitted to the Commission with attachments A, B, C, and D, as required about in the middle of the form.

The application was mailed to the two companies who are shown on the bottom of the application, namely Amoco Production Company and Gulf Exploration.

These were mailed by certified mail to those companies.

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

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

A. Yes, sir.

Q -- with respect to this particular tract.

Do you have anything else on that exhibit?

A. No, sir.

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

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

SALLY WALTON BOY!
CENTIFIED SHONTHAND REPONTS
3036 Plana Banca (665) 471-54
Santa Fe, New Mexico 87501

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

It's perforated from 3201 feet to 3481 feet opposite the Langlie-Mattix-Seven Rivers-Queen formation.

The string on the right is 4-1/2 inch

OD casing, and it's set at 5797 feet. There are 32 centralizers between 3000 and 3600 feet and between 5200 and 5797

feet. Both strings were cemented together with 2100 sacks

of cement. The estimated top of cement is shown to be

2500 feet.

There is a String of 2-3/8ths inch tubing inside the 4-1/2 inch casing, which is set at 5208 feet.

The 4-1/2 inch casing is perforated opposite the Fowler-Upper Yeso zone from 5234 to 5691 feet.

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

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

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

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

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

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

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

SALLY WALTON BOYE CERTIFIED SHORTHAND REPORTE 1019 PIRE BIADCA (606) 471-246 SARIA PS. New Mexico 87101

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

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

I believe that's all I have on that.

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

A. Yes, there was.

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

As far as I know.

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

A. Yes, they were.

Mr. Lytle, in your opinion will the approval of the application of Exxon Corporation in this case prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights?

SALLY WALTON BOY
CERTIFIED SHORTHAND REPORT
1010 Place Blance (106) 471-24
Santa Fe, New Moxdoo 5750

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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:

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 BOY CERTIFIED SHORTHAND REPORTS 1020 Plaza Blanca (505) 471-24 Santa Fe. New Mexico 5750

correct?

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A. Yes, sir.

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

A. Yes, sir.

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

A. That's correct.

Q Anå you were successful.

A. Yes, sir.

MR. NUTTER: Are there any other questions of Mr. Lytle? He may be excused.

Do you have anything further, Mr. Coffield?

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

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

We will take the case under advisement.

(Hearing concluded.)

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.

I do hereby cortify that the foregoing is a complete record of the proceedings in the Examiner hearing of Gase No. 6569 heard by me on 6/13 1979

Examiner, Oil Conservation Division

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, NEW MEXICO	
JUNE 1 3, 1979	Time: 9:00 A.M.
RESENTING	LOCATION
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Hearing Date

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NEW MEXICO OIL CONSERVATION

EXAMINER HEARING

SANTA FE

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	NEW MEXICO OIL CONSERVATION COMMISSION			
	EXAMINER HEARING			
	SANTA FE , NEW MEXICO			
Hearing Date	JUNE 13, 1979	Time	9:00 A.M.	
Hearing Date	JUNE 1 3, 1979	Time	9:00 A.M.	

NAME	REPRESENTING	LOCATION
Dagin Woody	woody Acres	Sea County
M.A. CusTER, JR	MEWBOURNE OL COMPRNY	mullard
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Hugh Ingran	CONOCO	Hobbs
LERRY SEXTON	OCD	Nobles

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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) a dual completion, Lea County, New) Mexico.

CASE 6560

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

APPEARANCES

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

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J. K. LYTLE

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

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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?

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-

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A. No, I haven't.

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

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

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

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

Yes, sir.

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

Yes, I am.

MR. COFFIELD: Mr. Examiner, is the witness considered qualified?

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

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

SALLY WALTON BOYE SERIFIED SHORTHAND REPORTE SARDERA BEADER (605) 471-1410 SARDER FO, New Mondoo 87801

by this application?

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

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

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

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

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

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

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

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

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

The application was mailed to the two companies who are shown on the bottom of the application, namely Amoco Production Company and Gulf Exploration.

These were mailed by certified mail to those companies.

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

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

A. Yes, sir.

Q -- with respect to this particular tract.

Do you have anything else on that exhibit?

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SALLY WALTON BOYD
CERTIFICE SHORTHAND REPORTER
1010 Plaze Blanca (5.15) 471-246
Senta 170, New Mexico 87501

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spacing and location requirements are set up by the statewide rules for oil, being 40-acre units. There are special rules that set a gas/oil ratio limit for this pool of 10,000 cubic feet per barrel.

ALLY WALTON BO

SALLY WALTON BOYD CERTIFED SHOATHAND REPORTER 1019 Plaza Shinica (106) 471-246 8unta Po, New Meadoo 87501

Exhibit Five is a Form C-102 for the Fowler-Upper Yeso Zone, and it shows the 30-acre proration unit which will be dedicated to both the No. 4 Well, which is the subject of this application, and the No. 2 Well, which has been previously drilled. These two wells will split the allowable for the 80-acre Upper Yeso zone.

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

I believe that's all I have on that.

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

A Yes, there was.

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

As far as I know.

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

A. Yes, they were.

Mr. Lytle, in your opinion will the approval of the application of Exxon Corporation in this case prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights?

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.

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:

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 BOYC CERTIFIED SHORTHAND REPORTE 1010 Plate, Blanca (101) 471-24(Santa Fe, New Moxico 57101

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A Yes, str.

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

A Yes, sir.

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

A That's correct.

Q And you were successful.

A. Yes, sir.

MR. NUTTER: Are there any other questions of Mr. Lytle? He may be excused.

Do you have anything further, Mr. Coffield

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

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

We will take the case under advisement.

(Hearing concluded.)

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I, SALLY MALTON BOYD, a Court Reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oll 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.

I do hereay conflit that the foregoing is a complete reports of the proceedings in the Examiner hearing of Case No. heard by me on Oil Conservation Division

NEI ACCENTS CONTRACTOR

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

JERRY APODACA roverkor

NICK FRANKLIN SECRETARY

June 29, 1979

POST OFFICE BOX 2008 STATE LARD OFFICE BUILDING SANTA FE, NEW MEXICO 87501 15051 827-2434

Re: Mr. Conrad E. Coffield	CASE NO. 6560
Hinkle, Cox, Eaton, Coffield & Hensley	ORDER NO. R-6035
Attorneys at Law P. O. Box 3580 Midland Moves 70702	Applicant:
Midland, Texas 79702	Exxon Corporation
Dear Sir:	
Enclosed herewith are two conditions order recently enterested	opies of the above-referenced ered in the subject case.
Yours very truly,	
JOE D. RAMEY Director	• • •
	·
	•
JDR/fd	
Copy of order also sent to:	
Hobbs OCC × Artesia OCC X Aztec OCC	
Other	

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

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

> CASE NO. 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 <u>26th</u> 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.

> STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY Director

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EXXON COMPANY, U. S. A. FOWLER AREA

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

MALL & D SIGNAC-107 (

Ition Vett A 16 24 las the New Mexico Oil Conservation Commission heretofore authorize ones within one mile of the subject well? YES NO sanswer is yes, identify one such instance: Order No. See following facts are submitted: Wame of Pool and Formation Langlie Mattix Seven	W Mexico "AB" State Ros -S ed the multiple completion of a we	37-E Il in these same pools or in the same
Esseries Lease Lease Popper Lease Lease Popper Lease Lease Popper Lease Lease Lease Popper Lease Lease Popper Languistic Languis	w Mexico "AB" State Ros -S ed the multiple completion of a we X i Operator Lease, and Well Intermediate	37-E Il in these same pools or in the same
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Top and Bottom of Rivers Queen	٠٠٠٠	
• Pay Section	1	5004 5601
(Perforations) 3201-3481		5234-5691
. Type of production (Oil or Gas) Gas	T:	0i1
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(Flowing or Actificial Lift) Flow		Artificial Lift
he following are attached. (Please check YES or NO)		
es 1 No		
diameters and setting depth, location and type of pack b. Plat showing the location of all wells on applicant's of operators of all leases offsetting applicant's lease. c. Waivers consenting to such multiple completion from tors have been furnished copies of the application. d. Electrical log of the well or other acceptable log with dicated thereon. (If such log is not available at the time list all offset operators to the lease on which this well is located tog Amoco Production Company, Drawer A, Levell Gulf Exploration and Production Company, B	lease, all offset wells on offset each offset operator, or in lieu the tops and bottoms of producing the application is filed it shall be sether with their correct mailing and and, Texas 79336	leases, and the names and addresses treof, evidence that said offset operationes and intervals of perforation insubmitted as provided by Rule 112-A. iddress.
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suld waivers from all offset operators not accompany on application for administrative approval, the New Mexico Oil Conscruction Commiss will hold the application for a period of twenty (20) days from date of receipt by the Commission's Sunta Fe office. If, after said twenty-special, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

Et II the proposed multiple completion will result in an unorthodox well location and/or a non-standard protection unit in one or more of the archive course then tracters against for approval of the same should be filed simultaneously with this application.

WELLBORE SKETCH

Exxon, New Mexico "AB" State No.4 Lea County, New Mexico

		10314" Csq. set @ 1103' & cemented to surface
House SR-Q Perfs. S87 MCF/D3481 S87 MCF/D3481		Top of Cement & 2500' (estimated) REFORMATION OIL CONSTRUCTION EXTOR 6500 EXTOR 6500 EXTOR 6500 EXTOR 6500 EXTOR 6500 EXTOR 6500
LOK 10 cm		23/8" Tubing set @ 5208' 5234' Fowler U. Yeso Perfs.
pumped. 2200 BWPD 205 BWFD 205 MCF/D 257 MCF/D	P810 57	150' 4'2" Csq. set at 5797' & Cemented w/2100 5x, 32 Centre/1zers: 3000'-3600', 5200'-5797'

WEL. LOCATION AND ACREAGE DEDICAT All distances must be from the outer boundaries of the production of Well; Section Township 24 South 37 East All distances must be from the outer boundaries of the Mexico AB 16 24 South 37 East Cottol Peologe Location of Well; 660 text from the North Inc. and 100 peol Langlic-Nat Seven Rivers. 1. Outline the acreage dedicated to the subject well by colored pencil or 2. If more than one lease is dedicated to the well, outline each and ident interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, he dated by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation	ISS Form C-102 ION ALAT Supersedes (-1)
Section Section Section Township 24 South 37 East	Effective 1-1-65
Exam Corporation New Mexico AB Interest Section Township 24 South 37 East 660 feet from the North line and feet from the North line and Seven Rivers of Seven Rivers & Queen Seven Rivers 1. Outline the acreage dedicated to the subject well by colored pencil or 2. If more than one lease is dedicated to the well, outline each and ident interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, he dated by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation If enswer is "no," list the owners and tract descriptions which have act this form if necessary.) No allowable will be assigned to the well until all interests have been co forced-pooling, or otherwise) or until a non-standard unit, eliminating such sion.	
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	my melon Knipling
	Position
	/ // Proration Specialist
	Company Exxon Corporation
	A / Box 1600 Midland, Texas
	Date
	1-17-79
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	I hereby certify that the well location
	shown on this plot 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.
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	Registered Professional Engineer
	and/or Land Surveyor
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EXXON COMPANY, U. S. A. FOWLER AREA

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

MALL & D 5161m C-107 (

			10		Date	
Exxon Corporation			County	Lea		5-3-79
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٠.	. Box 1600, Midland, Texas 79702		New	New Mexico "AB" State		4
nois	Unit	Section	Township		Rango	
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45 E	ne New Mexico Oil Conserva	ation Commission heretolo			a well i	in these same pools or in the same
	within one mile of the subject is yes, identify one suc		ио <u>х</u>	1 Operator Lease, and	Well N	; ło.:
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			(C. T. Jackson	Signati	uro Unit Head
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uld waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conscivation Commismull 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-period, no protest nor request for heoring is received by the Santa Fe office, the application will then be processed.

E: 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 proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the proposed multiple completion will test in an unit in one or more of the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the proposed multiple completion will be filled simultaneously with this another than the proposed multiple completion will be supposed in the propose

WELLBORE SKETCH

Exxon, New Mexico "AB" State No. 4 Lea County, New Mexico

10314" Csq. set @ 1103' & cemented to surface Top of Cement @ 2500' (estimated) Cir. Constrain 3201 Langle-Mattix 5R-9 Perts. 3481 27/8 " (59, set @ 3618) 18 contralizers 3000-3600 23/8" Tubim set @ 5208' 5234 Fowler U. Yeso Perfs, 15691 PBTO 5750 41/2" Csq. set at 5797 '4 Cemented w/2100 5x, 32 Centrelizers: 3000'-3600', 5200'-5797' T.D. 5804'

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			. /				15/79 fessional Engineer

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C.E. Soc. File Ho. W- A- 7137-A

Certificate No. 1382

T EXXON COMPANY, U. S. A. FOWLER AREA

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

MANUE 17 5161 (5-1-61

itor			I Causey		Date	
			County	Lea	Traite.	5-3-79
Exxon Corporation		Lease		Well No.	Well No.	
: Box 1600, Mldln	nd, T	exas 79702	New	Mexico "AB" State	1	4
tion Unit		tion	Township		Hange	
•II A .	1	6	24-	S	<u> </u>	37-E
is the New Mexico Oil Con	servatio	n Commission heretofor			a well in	these same pools or in the same
aes within one mile of the	subject	Well? YES	NO_X			,
answer is yes, identify one	soch ic	istance: Order No		Operator Lease, an	d Well No	.:
		•	•			
e following facts are subm	irradi	1				
ie tottoming faces are show	illeu.	. Upper Zone		Intermediate Zone	}	Lower Zone
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diameters and	turbolize Setting	ers and location thereby depth, location and ty	r, quantities pe of packer	s and side door chokes, and :	such other	ntervals, tubing strings, including information as may be pertinent
- I		•				es, and the names and addresse
of operators of		ases offsetting applican				
c. Waivers cons	enting t	o such multiple comple shed copies of the app	ction from ea lication.*	ich offset operator, or in lie	eu theteof	, evidence that said offset opera
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ist all offset operators to t	le lease	on which this well is	located toge	ther with their correct mail	ing addres	· ·
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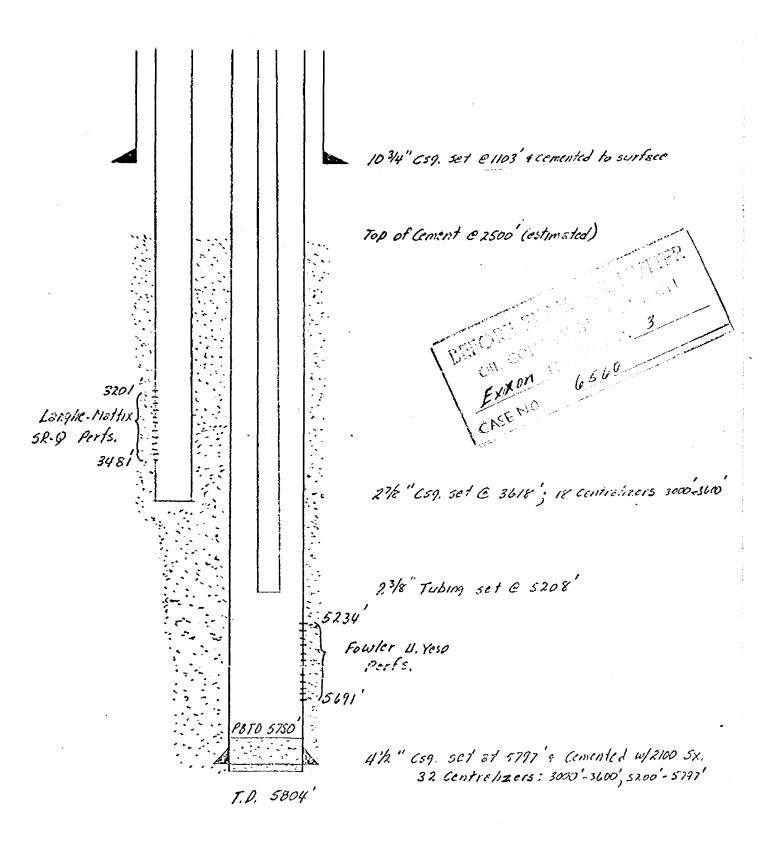
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uld valvers from all offset operators not accompany on application for administrative approval, the New Mexico Oil Conservation Commiss will hold the application for a period of twenty (20) days from late of reveipt by the Commission's Santa Fe office. If, after said twenty-period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

E: 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 provincian course then reposest application for approval of the same should be filed simultaneously with this application.

WELLBORE SKETCH

Exxon, New MexICO "AB" State No. 4 Lea County, New MexICO



All distances must be from the outer boundaries of the Section. Operator Exkult Cut postusion All distances must be from the outer boundaries of the Section. Operator Exkult Cut postusion Township A 16 24 South 37 East Lea Actual Protage Location of Well: 660 feet from the North Inc and 660 feet from the east Ground Level Elev: Producing Formation Bottom 100 Pool Langlie-Mattix- Of Source Pivores & Queen	xxon Lsa Mo.	Nr " I	AEXICO OIL CONSE	RVATION COM	IMISS E		Porm C-102
Company Comp	tate Lee. No.	WELL L	OCATION AND ACR	EAGE DEDICA	/TION YEA	T	Supersedes C-128 Effective 1-1-65
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best of my knowledge and belief. Hence Multiplier Hulling Provided Respective Company Exxon Corporation Box 1600 Hidland, Taxas Total I hereby certify that the well locate shown on this plat was plotted from fit notes of actual surveys made by me under my supervision, and that the say is two and certest to the best of a knowledge and belief. Date Surveyed 1/15/79 Resplate and Professional Engineer on Wor Land Surveyor A A A A A A A A A A A A A A A A A A A	sion.	<u> </u>	1	- Annuari	mana	CERT	IFICATION
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Docket No. 22-79

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)

CASE 6560:

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 No. 23-79

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.

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, serks 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 Gourley-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 Fast.

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.

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 Mewbourne 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 30 drained by the existing well.
- 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.
- 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 22%-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 abovestyled 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 hale 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 011 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 Braw-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. Sail 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, NMPN. 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 Cas 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-Noirow Gas Pool in Eddy County, New Mexico, to include therein:

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

(1) 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, NNPM Section 12: N/2

(1) 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, NNPM 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, IMPM 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, NAPM

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, NNPM Section 34: SW/4

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

(2) 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 FAST, 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

Caso 6560



PRODUCTION DEPARTMENT MIDCONTINENT DIVISION

CRYB H J

May 29, 1979 OIL CONSERVATION DIVISION

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

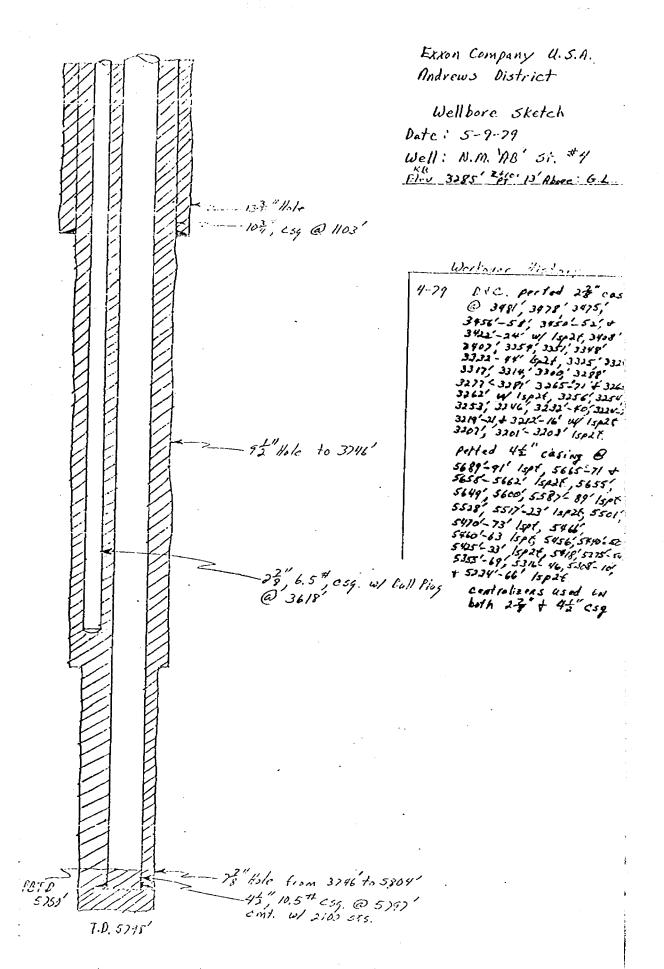
Form C-107 5-1-61

Caso 6560

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Exxon Corporation		De	^{te} 5~3~79
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Box 1600, Midland, T	exas 79702 New	Marco "AB" State	4
	TION OIL CONSERVATION D		nge
of Well A	6 SANTA FE4-	S	37~E
1. Has the New Mexico Oil Conservatio	n Commission heretofore authorized	I the multiple completion of a w	ell in these same pools or in the same
zones within one mile of the subject	well? YESNO_X		
2. If answer is yes, identify one such in	nstance: Order No	; Operator Lease, and We	II No.:
	·		
3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower
None of Book and Formation		Zone	Zone
a. Name of Pool and Formation	Langlie Matrix Seven		Fowler Upper Yeso
b. Top and Bottom of	Rivers Queen	. , , , ,	
Pay Section	3201-3481	`	5234-5691
(Perforations) c. Type of production (Oil or Gas)			
d. Method of Production	Gas		011
(Flowing or Artificial Lift)	Flow		Amtificial Tift
4. The following are attached. (Please			Artificial Lift
	,		
Yes No X a. Diagrammatic Sketch	of the Multiple Completion showing	and contagnations including	diameters and politica depths, control
izers and/or turbolize	ers and location thereof, quantities	used and top of cement, perfora	diameters and setting depths, central- ted intervals, tubing strings, including
\	depth, location and type of packer	s and side door chokes, and such	other information as may be pertinent.
		ase, all offset wells on offset	leases, and the names and addresses
	ases offsetting applicant's lease.	ab affact assesses as in liquid	areas anidomes that said affect anama
c. Waivers consenting t	o such multiple completion from ea shed copies of the application.*	ich offset operator, of in fieu cu	ereof, evidence that said offset opera-
y d. Electrical log of the	well or other acceptable log with	tops and bottoms of producing	zones and intervals of perforation in-
dicated thereon. (If s	uch 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 toget	ther with their correct mailing a	ddress.
Amoco Production Com	ipany, Drawer A, Levella	nd. Tex as 79 33 6	
Gulf Exploration and	Production Company, Bo	x_1150, Midland, Texa	s 79702
6. Were all operators listed in Item 5 a		of this application? YES X	NO If answer is yes, give
date of such notification 5-14	· 79		
	·		
CERTIFICATE: 1, the undersigned,	state that I am the	of the_	
under my supervision and direction and	company), and that I am authorized	by said company to make this re	eport; and that this report was prepared
under my supervision and uncertion and	that the facts stated therein are thus	c, correct and complete to the bi	zor or my knowicage.
		1 4 4 4	
		J. Z. Clemme T. Jackson Sign	
	200	T Inches	nature Unit Head
	-100	, I. Jackson	AUTE USAG

*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.



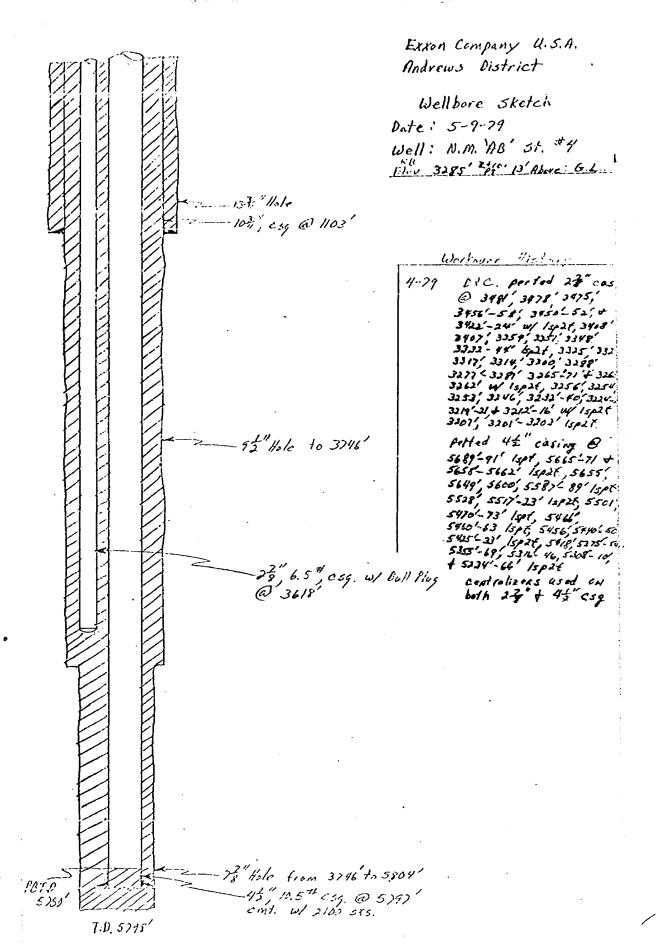
12 T EXXON COMPANY, U. S. A. FOWLER AREA

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

Operator	County	•	Date F 0 70
Exxon Corporation	ECEIVED	Lea	5-3-79
•		as a stanta or .	Well No.
	ex48 878702 S 1979 1944	Mexico "AB" State	4
Location Unit Sec	The state of the s		Range
of Well A 1	OIL CONSERVATION DIVISION		37-E
I. Has the New Mexico Oil Conservation	n Commission bererolore 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 it	stance: Order No.	; Operator Lease, and	Well No.:
716 (-1)			
3. The following facts are submitted:	Upper Zone	Intermediate	Lower
		Zone	Zone
a. Name of Pool and Formation	Langlie Mattix Seven	<u> </u>	Fowler Upper Yeso
b. Top and Bottom of	Rivers Queen	· e ⁸	
Pay Section	3201-3481	•	5234-5691
(Perforations)	3201-3401		
c. Type of production (Oil or Gas)	Gas		0i1
d. Method of Production			
(Flowing or Artificial Lift)	Flow		Artificial Lift
4. The following are attached. (Please	check YES or NO)	•	
Yes No			
X a. Diagrammatic Sketch	of the Multiple Completion, showing	ng all casing strings, includ	ing diameters and setting depths, central- forated intervals, tubing strings, including
diameters and setting	depth, location and type of packer	s and side door chokes, and si	uch other information as may be pertinent.
			set leases, and the names and addresses
of operators of all les	ises offsetting applicant's lease.	•	
X c. Waivers consenting t	o such multiple completion from ea	ich offset operator, or in lies	thereof, evidence that said offset opera-
	shed copies of the application.	tone and hottoms of produc	ing zones and intervals of perforation in-
d. Electrical log of the dicated thereon, (If s	uch 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			
			g audress.
Amoco Production Con	pany, Drawer A, Levella	nd, lexas /9336	
0.16 7 .1		. 1150 W 11 m.	70200
- Guli Exploration and	Production Company, Bo	x 1150, midiana, 16	:Xas /9/02
			~
			•
/ War all annual lines in the fire		of alice analices in 2 VEC	X NO
date of such notification	bove notified and furnished a copy	of this application? TES_	A NO
date of such notification	•		
OPPRISONER TO SECOND		- E - N	t.
			he
under my supervision and direction and	ompany), and that I am authorized that the facts stated therein are tru	by said company to make thi e, correct and complete to th	s report; and that this report was prepared to best of my knowledge.
		1 100	
		LL L Clem	Signalure Unit Hoad
	In - 0	T Jackson	Signature Unit Head

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conscruation 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. FOWLER AREA

OIL CONSERVATION COMMISSION Hobbs DISTRICT

OIL CONSERVATION COMMISSION BOX 2088	DATE May 16, 1979
SANTA FE, NEW MEXICO	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 #	44-A 16-24-37
Operator Lease and W	ell No. Unit, S-T-R
and my recommendations are as follows:	
0.KJ.S.	
CELVEDIN	
1 1979	
OIL CONSERVATION DIVISION SANTA FE	•
OIL CONSERVATION	
SANIA	Yours very truly,
•	
	Jun Sehtm

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 thisday of _June, 19_79, 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 "AB" State Well
XEXX 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 (combination) (combination) (twoingless)
oil 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.

- (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 ,
New Mexico
is hereby authorized to complete its "AB" State
Application of the contract of
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)
to produce gas from the 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

sequentian tests upon completion and annually thereafter during the Annual Gas-bil 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.