

CASE 1999: Application of SOCONY
MUSIL for an exception to RULE 107
(e)(1) to complete wells as "slim-
hole" completions in Devonian forma.

Case No.

1999

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
MABRY HALL
Santa Fe, New Mexico
June 22, 1960

EXAMINER HEARING

IN THE MATTER OF: Case 1999

Application of Socony Mobil Oil Company for an exception to Rule 107 (e) (1). Applicant, in the above-styled cause, seeks an exception to Rule 107 (e) (1) in order to complete the following-described wells as "slim-hole" completions in the Devonian formation at depths in excess of 5,000 feet:

Federal "A" Well No. 1, 2310 feet from the North and West Lines of Section 31

Santa Fe "F" Well No. 2, 1980 feet from the South line and 660 feet from the West line of Section 20

both in Township 9 South, Range 36 East, Lea County, New Mexico.

BEFORE:

D. S. Nutter, Chief Engineer
O. E. Payne, General Counsel

TRANSCRIPT OF HEARING

Mr. Nutter: Case 1999.

Mr. Payne: Application of Socony Mobil Oil Company for an exception to Rule 107 (e) (1).

Mr. Errebo: My name is Burns Errebo. I am from Modrall, Seymour, Sperling, Roehl and Harris of Albuquerque. I am appearing on behalf of the Applicant, and we will have one witness.

(Witness sworn)



JOE GORDON, JR.

called as a witness, having been first duly sworn on oath, testified as follows:

DIRECT EXAMINATION

BY MR. ERREBO:

Q Would you state your name?

A Joe Gordon, Jr.

Q By whom are you employed, in what capacity, and where are you located?

A Socony Mobil Oil Company as Senior Production Engineer at Hobbs, New Mexico.

Q Have you previously testified as an expert witness?

A Yes.

Q As an engineer, have you not?

A Yes.

Q Are you familiar with the application of the Socony Mobil Company in this case?

A Yes, sir.

Mr. Errebo: I note, Mr. Payne, that our two applications have been combined for this hearing. If it is satisfactory, we will proceed with the Federal lease well.

Mr. Payne: All right.

Q (By Mr. Errebo) Mr. Gordon, turning your attention to your Federal "A" No. 1, I would like to ask you if you will state



what the location of this well is?

A The Federal "A" No. 1 is located 2310 feet from the North Line and 310 feet from the West Line of Section 31, Township 9 South, Range 36 East, in Lea County, New Mexico.

Q This well has been started, has it not?

A Yes, sir.

Q It is now drilling?

A It is drilling ahead of the production by 7,000 feet.

Q The Socony Mobil Application is for special permission to permit this well as a "slim-hole" completion. I take it that this well has such a depth and will be at such a depth when a decision is rendered by the Commission in this matter that it will be possible to complete this well in the conventional, or normal, manner should the application be denied, is that correct?

A Yes, sir.

Q Your application here today is for an exception to the Rule 107 (e), is it not?

A Yes.

Q And, with respect to the Federal "A" No. 1, in what regard is the exception necessary?

A This, by State-wide rules, you can apply for a slim-hole completion under administrative approval from the District Supervisor. However, this well is to be completed below 5,000 feet and, therefore, we cannot ask for administrative approval from the Dis-



strict Supervisor.

Q It is also a 'wildcat' well, is it not?

A No, sir, this is the Federal well.

Q This is a Federal well?

A A development well.

Q Have you prepared a schematic diagram illustrating the method in which you propose to complete this well?

A Yes, this is the copy or the diagram we have given here.

Q And, this has been marked by the Commission as the Applicant's Exhibit Number 1. Will you proceed to briefly explain what this diagram reflects?

A This diagram shows the height and normal casing setting depths and cementing we have used. The surface casing of ten and three-quarters has already been set at 435 feet. The next string is set at seven and five-eighths and has been set at 4,225 feet. We are now drilling a six and three-quarter inch hole, which will be carried to the total depth of approximately 12,100 to 12,200. The oil string, we request permission to run a string of two and seven-eighths OD casing or tubing from the surface to total depth, and to be cemented from back from bottom. We contemplate from the only other well in the field, West Crossroads, is the only field at the present time to obtain a flowing completion and this two and seven-eighths OD casing would constitute the tubing and the casing from the Devonian pay. The two and seven-eighths string at the



time it's cemented, we proposed to use a guide shoe on the bottom, a plug to be caught in the baffle plate, one joint above the guide shoe. The plug will have swept the tubing clear of all cement and come to rest below our expected perforated interval so that there will be no cement in the tubing between the surface and our perforated interval, and no drilling out will be required. We also plan to install a permanent setting shoe, setting nipple above the pay for possible future use as a seating in installations for pumping equipment. The tubing is to be centralized above through the pay, and below the pay, in order to get the best possible cement job through our Devonian and, then, also, we plan to install a centralizer, one centralizer in the seven and five-eighths inch casing to steady the tubing in that string of seven and five-eighths.

Q Mr. Gordon, I assume from the notes you have on your Exhibit, that the ten and three-quarter inch casing will be of cement to the surface behind it, is that correct?

A Yes, sir, the ten and three-quarter is cement, 385 sacks and 25 sacks were circulated on that.

Q It is a full cement sheath and likewise there will be a full cement sheath on the seven and five-eighths casing?

A On that we circulate a surface of 165 sacks.

Q Have you determined whether or not corrosion oil will be produced from the provision which you complete?

A The job is free from corrosion.



Q Have you made a study of the cost of the conventional completion of this well as compared to the completion which you propose here today?

A Yes, sir. The conventional completion would differ from the completion proposed here by the addition of a liner from approximately 4,000 feet to TD, the liner would be approximately five and a half inch casing and the differential cost could be approximately \$45,000.00 more if we were to run the five and a half inch liner.

Q Then the granting by the Commission of this application would permit the saving by Socony Mobil of approximately \$45,000.00 in the completion and drilling of this well, is that correct?

A Yes, sir, that was 40,000.

Q 40,000. Now, do you know of any similar slim-hole completions which have been approved by this Commission heretofore?

A The Commission has approved the application of Tri-Production Company for a similar type of completion to the depth of, approximately, 10,500.

Q At the time that application was Docketed and heard, you contemplated these completions here, did you not, that are being discussed today?

A Yes, we were initiating our application at the time that case was heard.

Q For that reason you had particular interest in that case,



did you not?

A Yes, sir.

Q And, can you state what the difference is between the completion approved in that instance, and the one that is proposed here today for this well?

A Mainly the difference is strictly in the total depth. The proposed methods are approximately the same, the difference being in the total depth.

Q You testified before the Commission before, and your duties do include proration, do they not, for your Company in the State of New Mexico?

A Yes, sir.

Q Is it your opinion waste would not be caused in any way by the granting of this application?

A No, sir, it would not.

Mr. Errebo: That is all.

Mr. Nutter: Anyone have any questions of Mr. Gordon?

Mr. Payne: Mr. Gordon, are you going to circulate to the top of all the pays that might be encountered?

A (By the witness) Yes, sir. Now, from my present knowledge, the only possible pays in this areas are the Devonian, the top approximately 11,900, and the Pennsylvanian, I think, at approximately 9,000 plus.

Q (By Mr. Payne) That is true in the case of both wells,



or to the Federal "A" No. 1?

A On Federal "A" No. 1 we get cement off both pays.

Q Where is the fresh water encountered?

A Fresh waters are already cased off, sir.

Q Is that ten and three-quarters and seven and five-eighths?

A Yes, sir, thirty-three quarter catches all of them.

Q Do you have any particular pressure problems?

A No, sir.

Q It's rather difficult, isn't it, to work over one of these slim-holes in the event that becomes necessary, particularly when it's at this depth?

A I believe there, sir, we have taken all the safeguards we can at the present time, and with knowledge of what you have installed, and what you are trying to do, I think the two and seven-eighths casing is conventional.

Q I see.

A You may be limited in some respects, it can be done.

Mr. Nutter: I can't find it on this Exhibit here anywhere, where you depict how much cement you plan to use on this tubing string. How many sacks do you estimate you are going to need?

A I couldn't say. It would be based on the caliper.

Q You will run a caliper survey?

A Yes, sir, and temperature survey.



Q You calculate the cement to reach to 9,000 or 8,500, or just where?

A Our calculation will be based on bringing back to approximately 8,000 feet.

Q About 8,000 feet?

A Yes.

Q Now, will you have any kind of latching device in the tubing string so in the event you run into any kind of trouble you can unscrew at above, the top of the cement?

A No, sir, we propose there, in the future, to use a string shot and back off up in the casing in case we want to install a larger sized tubing up inside the casing, and we would rather use a string shot, rather than have anything installed which would be a source of possible leakage or mismanagement.

Q What about your centralizers, except this one that is up in the seven inch pipe, and also the one that is seen at thirty foot intervals through the pay?

A Yes, sir.

Q Centralizers in the rest of the pipe?

A No, sir.

Q No centralizers?

A No, sir.

Q I believe there are some intervals across the pay, and that is where you need the centralizers.



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PHONE CH 3-6591

ALBUQUERQUE, NEW MEXICO

Q (By Mr. Errebo:) Now, with regard to the other well covered by this application, Mr. Gordon, the Santa Fe "F" No. 2, you have prepared, have you not, a schematic diagram of the proposed completion of that well which is similar to the first well, which was covered by your testimony?

A Yes, sir, very similar, differing only in details.

Q That has been marked Number 2. Will you please tell the Commission whether there are any significant differences in the method of completion as proposed for this second well?

A The main difference here is that in the case of the Santa Fe "F" No. 2, which is an old well drilled deeper, the seven and five-eighths inch casing was cemented at 9,623 feet. The well was produced as a pan well and we have now depleted that formation and are drilling deeper, and this leaves us with approximately 3,000 feet of six and three-quarter inch hole to drill. We are now drilling at approximately 11,700 feet. The insulation of two and seven-eighths inch casing and the cementing procedure, the equipment installed in the tubing string is identical with what we outlined for Federal "A" No. 1.

Q What is the necessity for a hearing in this matter here?

A This well is a wildcat in regard to the Devonian formation, more than a mile from any other Devonian pay producing well. This well is also deeper than the completion, the completion will be deeper than 5,000 feet, which brings us back to the administra-



tive approval of the District Supervisor.

Q Have you calculated the comparative costs of this completion as compared to the conventional completion in which you did some comparison on the previous well?

A I estimate here we are approximately \$12,000.00 savings, strictly in the pipe, the five and a half-inch liner which we would not be required to set.

Q Do you have anything further you care to add in regard to either of these two wells?

A I believe we need to state the location of the Santa Fe "F" No. 2, 1980 feet from the South Line, 660 from the West Line, Section 20, Township 9 South, Range 36 East, Lea County, New Mexico, and it would be appreciated if the Commission could expedite their decision in regard to this well, since we are getting fairly close to our TD.

Q Mr. Gordon, in order to explain to the Commission why you do not intend to crowd them on their decision of this, will you tell them why you have thought it necessary to go ahead and commence operation on both of these wells, and the circumstances?

A In the event that the proposed completion method is not approved we are still able to run our five and a half-inch liner and proceed with normal completion techniques.

Q Actually, are there not wells off setting both of these wells, or lessors which are presently proceeding, and you feel you



should commence development of these two zones as soon as possible?

A Especially in the case of Federal "A", run the off set by production. The Santa Fe "F" No. 2 is a wildcat.

Q Do you have anything further?

A No, sir.

Mr. Errebo: That is all we have.

Mr. Nutter: How much cement would you use on this Santa Fe "F" No. 2 well?

A (By Witness) Here we would bring the cement back into the seven and five-eighths inch casing to approximately 9400 feet based on caliper volume.

Q 9400 feet?

A Yes, sir, this is our standard technique in bringing a liner back into a casing.

Q Your central program is similar to the other well?

A In regard to central across the Devonian.

Q In the case of the Santa Fe "F" No. 2, are the tubing springs pulled tense while the cement is setting, I guess you can't?

A They would just be hanging, sir.

Q That is right.

A The portion of any tension setting in the tubing spring would only come up when we install pumping equipment.

Q You are putting your setting shoes in your tubing strings?



A Yes, sir.

Mr. Nutter: Any further questions? We will take the case under advisement.

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ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691



I N D E X

| <u>WITNESSES:</u> | <u>PAGE</u> |
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| JOE GORDON, JR. | |
| Direct Examination by Mr. Errebo | 2 |

E X H I B I T S

| <u>Number</u> | <u>Exhibit</u> | <u>Marked for Identification</u> | <u>Page</u> |
|---------------|----------------|--------------------------------------|-------------|
| Appl -1 | 1 | 4 | 4 |



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ALBUQUERQUE, NEW MEXICO

PHONE CH 3-1691

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STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I, LEWELLYN NELSON, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing was reported by me in Stenotype, and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

DATED this 8th day of July, 1960, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

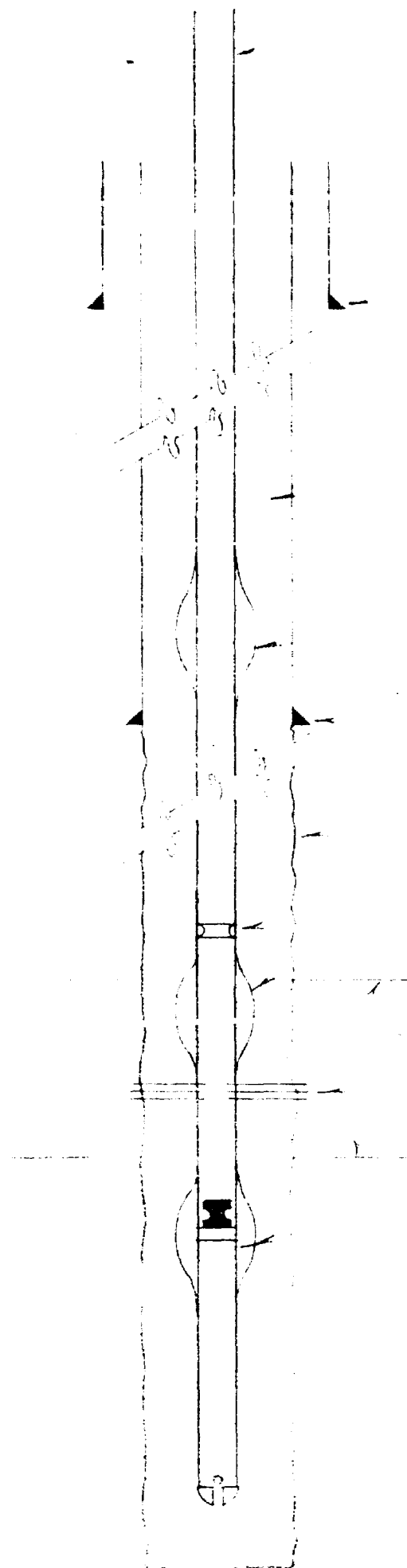
Lewellyn F. Nelson
NOTARY PUBLIC

My Commission Expires:

June 14, 1964

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1999 heard by me on 6/22, 1960.
[Signature], Examiner
New Mexico Oil Conservation Commission





2 7/8" O.D. Tbg. 6.5" N-80, from Surface to T.D.

10 3/4" @ 457', 350 Sx. W/ 15 Sx. Circ

Cement Circ. into 15' And Top Checked
W/ Temperature Survey

2 7/8" O.D. Tbg. Centralizer to Approx 9500'

15' @ 9520' 350 Sx Around Entrain
1000 Sx Thru Dy Tool to 9520'
1000 Sx Thru Perf to 9520 W/ 15 Sx Circ

2 7/8" Tbg. into to T.D.

Permanent Sealing Check installed Above Pags

2 7/8" O.D. Tbg. Centralizer (Spaced @ 30' Intervals Thru Pags)

Deviation Log Zone, 12,000' - 12,100' (est)

Perforations

Guinon case Plug And Air Joint Spaced
Below Hartenstein Interval

Est T.D. @ 12,100 - 12,200

| | | |
|--|----------------|----------|
| PROPOSED SLIM-HOLE COMPLETION SANTA FE #1 NO. 2 SWCD CROSSROADS AREA Sec 10 T9S, R34E 1st 60mp Hobbs District New Mexico | | |
| MOBIL OIL CO. A DIVISION OF SOCONY MOBIL OIL COMPANY INC HOBBS, NEW MEXICO | | |
| DESIGNED BY J.C.G. | DATE 4/15/60 | DRWG NO. |
| DRAWN BY J.E.L. | DATE 4/15/60 | |
| SCALE 1" = 50' 3/4" | FIELD BOOK NO. | |

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE No. 1999
Order No. R-1703

APPLICATION OF SOCONY MOBIL OIL COMPANY
FOR AN EXCEPTION TO RULE 107 (e) (1) OF
THE COMMISSION RULES AND REGULATIONS FOR
TWO WELLS IN THE DEVONIAN FORMATION, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on June 22, 1960, at Santa Fe, New Mexico, before Daniel S. Mutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 30th day of June, 1960, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Mutter, and being fully advised in the premises,

IT IS ORDERED:

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

(2) That the applicant is the owner and operator of the following-described wells in Lea County, New Mexico:

Federal "A" Well No. 1, 2310 feet from the North line and 2310 feet from the West line of Section 31

Santa Fe "F" Well No. 2, 1980 feet from the South line and 660 feet from the West line of Section 20

both in Township 9 South, Range 36 East.

(3) That the applicant proposes to complete the above-described wells as "slim-hole" completions in the Devonian formation with 2 7/8-inch OD tubing set at approximately 12,000 feet, which type of completion method requires an exception to Rule 107 (e) of the Commission Rules and Regulations.

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CASE No. 1999
Order No. R-1703

(4) That according to the applicant's testimony there are no known pressure or corrosion problems to be anticipated in the subject area which cannot be adequately controlled in a "slim-hole" type completion.

(5) That all potential producing intervals above the completion interval should be adequately protected provided the cement on the Santa Fe "F" Well No. 2 is brought back to approximately 9400 feet and the cement on the Federal "A" Well No. 1 is brought back to approximately 8000 feet, and provided further that casing centralizers are installed throughout the pay section at 30-foot intervals in both wells, and that a casing centralizer is installed at approximately 9500 feet in the Santa Fe "F" Well No. 2 and a casing centralizer is installed at approximately 4000 feet in the Federal "A" Well No. 1.

(6) That all fresh water zones should be adequately protected by the 10 3/4-inch casing on which the cement will be circulated on both wells.

IT IS THEREFORE ORDERED:

That the applicant, Socony Mobil Oil Company, be and the same is hereby authorized to complete the following-described wells as "slim-hole" completions in the Devonian formation with a total depth of approximately 12,000 feet using 2 7/8-inch OD tubing as casing:

Federal "A" Well No. 1, 2310 feet from the North line and 2310 feet from the West line of Section 21, Township 9 South, Range 36 East, West Crossroads-Devonian Pool, Lea County, New Mexico;

Santa Fe "F" Well No. 2, 1980 feet from the South line and 660 feet from the West line of Section 20, Township 9 South, Range 36 East, undesignated Devonian wildcat, Lea County, New Mexico.

PROVIDED HOWEVER, That in each of the above-described wells casing centralizers shall be set at 30-foot intervals throughout the pay-zone. In the said Federal "A" Well No. 1, a casing centralizer shall also be set at approximately 4000 feet and in the said Santa Fe "F" Well No. 2 a casing centralizer shall also be set at approximately 9500 feet.

PROVIDED FURTHER, That the applicant shall use sufficient cement in the said Federal "A" Well No. 1 to cause the cement to come up to 8000 feet, and in the case of the said Santa Fe "F" Well No. 2 the applicant shall use sufficient cement to come up to approximately 9400 feet.

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CASE No. 1999
Order No. R-1703

PROVIDED FURTHER, That the applicant shall take whatever measures are necessary to properly control any pressure or corrosion problems which may be encountered in completing or producing the subject wells.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


John Burroughs
JOHN BURROUGHS, Chairman

Murray E. Morgan
MURRAY E. MORGAN, Member

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

esr/

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

June ²⁰~~29~~, 1960

C
O
P
Y

Mr. Burns Errebo
Box 466
Simms Building
Albuquerque, New Mexico

Dear Sir:

On behalf of your client, Socony Mobil Oil Company,
we enclose two copies of Order R-1703 in Case 1999,
which was issued by this Commission June 29, 1960.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

lr/

Carbon copy of order to:

Oil Conservation Commission
Hobbs, N. Mex.

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF SOCONY MOBIL OIL COMPANY, INC.
FOR AN EXCEPTION TO RULE 107(e)(1)
and (2) OF THE RULES AND REGULATIONS
TO PERMIT IT TO COMPLETE WITH 2 7/8"
O.D. CASING ITS NO. 2 SANTA FE "F"
LOCATED AT A POINT 1,980 FEET FSL
AND 660 FEET FWL IN SECTION 20,
TOWNSHIP 9 SOUTH, RANGE 36 EAST,
LEA COUNTY, NEW MEXICO

CASE NO. 19019

APPLICATION

Applicant states:

1. That applicant Socony Mobil Oil Company, Inc.
is the owner and operator of its No. 2 Santa Fe "F" located
at a point 1,980 feet FSL and 660 feet FWL located in
Section 20, Township 9 South, Range 36 East, Lea County,
New Mexico.
2. That said well has heretofore been completed
in the Crossroads Pennsylvanian pool, but Applicant now
proposes to deepen said well and complete it in the Devonian,
or another pay.
3. That Applicant requests an exception to Rule
107(e)(1) and (2) of the Rules and Regulations of this
Commission to permit completion of said well as aforesaid.
4. That the granting of this application will
prevent waste and will not result in the violation of the
correlative rights of any party.

WHEREFORE, Applicant prays that this matter be set
for hearing, that notice thereof be given as required by law
and that upon hearing, this Commission grant an exception to
Rule 107(e)(1) and (2) for Applicant's No. 2 Santa Fe "F" as
herein requested, and such other and further relief as this
Commission may deem necessary and proper.

SOCONY MOBIL OIL COMPANY, INC.

By MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS

By



Burns H. Errebo
1200 Simms Bldg., Box 466
Albuquerque, New Mexico

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF SOCONY MOBIL OIL COMPANY, INC.
FOR AN EXCEPTION TO RULE 107 (e) (1)
OF THE RULES AND REGULATIONS TO PER-
MIT IT TO COMPLETE WITH 2 7/8" O.D.
CASING ITS NO. 1 FEDERAL "A" TO BE
LOCATED AT A POINT 2,310 FEET FNL
AND 2,310 FEET FWL OF SECTION 31,
TOWNSHIP 9 SOUTH, RANGE 36 EAST,
LEA COUNTY, NEW MEXICO.

CASE NO. _____

APPLICATION

Applicant states:

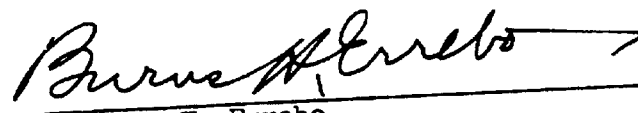
1. That applicant Socony Mobil Oil Company, Inc. proposes to drill Well No. 1 Federal "A", to be located at a point 2,310 feet FNL and 2,310 feet FWL of Section 31, Township 9 South, Range 36 East, Lea County, New Mexico.
2. That Applicant proposes to complete said well at a total depth of approximately 12,200 feet in the West Crossroads Devonian pool, or another pay, as a "slim hole" completion, using 2 7/8" O.D. casing.
3. That Applicant requests an exception to Rule 107 (e)(1) of the rules and regulations of this Commission to permit the completion of said well as afore-
said.
4. That the granting of this application will prevent waste and will not result in the violation of the correlative rights of any party.

WHEREFORE, Applicant prays that this matter be set for hearing, that notice thereof be given as required by law and that upon hearing, this Commission grant an exception to Rule 107 (e)(1) for Applicant's No. 1 Federal "A" as herein requested, and such other and further relief as this Commission may deem necessary and proper.

SOCONY MOBIL OIL COMPANY, INC.

By MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS

By



Burns H. Errebo
1200 Simms Building, Box 466
Albuquerque, New Mexico

No. 17-60

DOCKET: EXAMINER HEARING JUNE 22, 1960

Oil Conservation Commission 9 a.m., Mabry Hall, State Capitol, Santa Fe, N.M.

The following cases will be heard before Daniel S. Nutter, Examiner, or Oliver E. Payne, Attorney, as alternate examiner:

*NOTE: Case Nos. 1995 through 2001 and Case 1972 will not be heard before 1 p.m.

CASE 1989: Application of Amerada Petroleum Corporation for an order authorizing a salt water disposal well. Applicant, in the above-styled cause, seeks an order authorizing the disposal of produced salt water through its State SR "A" Well No. 1, located in the SW/4 SW/4 of Section 14, Township 9 South, Range 32 East, Lea County, New Mexico, with the injection to be in the Devonian formation in the interval from 11,105 feet to 11,130 feet.

CASE 1990: Application of Continental Oil Company for a waterflood project. Applicant, in the above-styled cause, seeks an order authorizing it to institute a waterflood project in the Skaggs Pool on its Southeast Monument Unit by the injection of water into the Grayburg formation through six wells located in Sections 19, 24, and 30, Township 20 South, Ranges 37 and 38 East, Lea County, New Mexico.

CASE 1991: Application of Texaco Inc. for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its C. P. Falby "B" Well No. 3, located in Unit M, Section 8, Township 22 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce oil from the Edmont Pool and oil from the Penrose-Skelley Pool through parallel strings of one-inch O.D. tubing and 2 1/16-inch O.D. tubing respectively.

CASE 1992: Application of Texaco Inc. for permission to commingle the production from three separate leases. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from the Dollarhide-Queen Pool from its United Royalty "A" Lease comprising the S/2 SW/4, NE/4 SW/4, and the SE/4 NW/4 of Section 19, Township 24 South, Range 38 East, Lea County, New Mexico, its Royalty Holding Company Lease comprising the SW/4 NW/4 of said Section 19, and from its W. L. Stephen Estate Lease, comprising the N/2 NW/4 of said Section 19, after separately metering the production from each lease.

Docket No. 17-60

CASE 1993:

Application of Shell Oil Company for an amendment of Order R-1101-A. Applicant, in the above-styled cause, seeks an order amending Order R-1101-A to include the following-described leases in the commingling and automatic custody transfer authorization granted in said order:

Linam Lease, NE/4 NE/4 and NW/4 NW/4, Section 3,
Lowe Land Lease, NW/4 NE/4 and NE/4 NW/4,
Section 3

both in Township 20 South, Range 35 East, Lea County, New Mexico.

CASE 1994:

Application of Intex Oil Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks approval of its Puerto-Chiquito Unit Agreement, which unit will embrace approximately 12,721 acres of Federal and fee land in Township 26 North, Range 1 East, Rio Arriba County, New Mexico.

* The following cases will not be heard before 1 p.m.

CASE 1995:

Application of Redfern and Herd, Inc., John J. Redfern, Jr., and J. H. Herd for an order force pooling the interests in a 320-acre gas unit in the Dakota Producing Interval. Applicant, in the above-styled cause, seeks an order force pooling all mineral interests in the N/2 of Section 32, Township 29 North, Range 11 West, San Juan County, New Mexico, insofar as the Dakota Producing Interval is concerned, including Pan American Petroleum Corporation and including the following person who has not consented to communitization: Sam Carson, 511 E. Main Street, Farmington, New Mexico.

CASE 1996:

Application of Leonard Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Federal Ginsberg Well No. 9, located in Unit D, Section 31, Township 25 South, Range 38 East, Lea County, New Mexico, in such a manner as to produce oil from the Justis-Fusselman Pool and oil from the Blinebry formation adjacent to the Justis-Blinebry Pool through parallel strings of 2 3/8-inch tubing.

CASE 1997: Application of Sun Oil Company for permission to commingle the production from several separate leases. Applicant, in the above-styled cause, seeks permission to commingle the Wolfcamp production from several separate leases in Sections 2, 3, 4, 8, 9, 10, and 11 of Township 9 South, Range 34 East, Lea County, New Mexico, and Section 33 of Township 8 South, Range 34 East, Roosevelt County, New Mexico.

CASE 1998: Application of Great Western Drilling Company for an order force-pooling the interests in a 200-acre non-standard gas proration unit in the Eumont Gas Pool. Applicant, in the above-styled cause, holder of a 200-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the E/2 NE/4 of Section 32 and the E/2 NW/4 and NW/4 NW/4 of Section 33, all in Township 19 South, Range 37 East, Lea County, New Mexico, seeks an order force-pooling all interests in said unit within the vertical limits of the Eumont Gas Pool, including interests of the following persons who have not consented to communitization: S. E. Cone c/o J. R. Cone, Attorney-in-Fact, Great Plains Life Building, Lubbock, Texas, H. L. Lowe, Great Plains Life Building, Lubbock, Texas, Abner M. Jack, Box 423, Scooba, Mississippi, and W. M. Beauchamp, Ancillary Guardian of the Estate of William Horn Jack, c/o District Clerk, Lovington, New Mexico and also the following persons whose addresses are unknown: Henry Hall, The Estate of Fred B. Caylor, B. A. Bowers, The Estate of George F. Henneberry, deceased, Mrs. Joy Mabel Stanley, and The Heirs of Elizabeth A. Anderson, and also an unknown person whose address is unknown.

CASE 1999: Application of Socony Mobil Oil Company for an exception to Rule 107 (e) (1). Applicant, in the above styled cause, seeks an exception to Rule 107 (e) (1) in order to complete the following-described wells as "slim-hole" completions in the Devonian formation at depths in excess of 5,000 feet:

Federal "A" Well No. 1, 2010 feet from the North and West Lines of Section 31

Santa Fe "F" Well No. 2, 1980 feet from the South line and 660 feet from the West line of Section 20

both in Township 9 South, Range 36 East, Lea County, New Mexico.

Docket No. 17-60

CASE 2000:

Application of Gulf Oil Corporation for permission to commingle the production from three separate leases and for permission to install an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the Monument Pool production from the following-described leases in Lea County, New Mexico: R. R. Bell (NCT-G) lease consisting of the S/2 SE/4 of Section 13, Graham State (NCT-H) lease consisting of the W/2 SW/4 of Section 13, and the H. T. Orcutt (NCT-D) lease consisting of the W/2 NE/4 of Section 13, all in Township 20 South, Range 36 East. Applicant further seeks permission to install an automatic custody transfer system to handle the Monument Pool production from said leases.

CASE 1972: (Continued)

Application of Gulf Oil Corporation for permission to commingle the production from several separate pools. Applicant, in the above-styled cause, seeks permission to commingle the Blinebry oil production with the Blinebry gas condensate and Tubb gas condensate from all wells on its T. R. Andrews lease comprising the E/2 of Section 32, Township 22 South, Range 38 East, Lea County, New Mexico, after separately metering the Blinebry oil production.

CASE 2001:

Application of Franklin, Aston and Fair, Inc., for an amendment of Order No. R-1573-A. Applicant, in the above-styled cause, seeks an amendment of Order No. R-1573-A to provide an alternative to the shut-in provisions contained therein as relating to certain leases in the Empire-Abo Pool, Eddy County, New Mexico.

Can 1949

MAIL OFFICE OF
MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS
SIMMS BUILDING

J. R. MODRALL
AUGUSTUS T. SEYMOUR
JAMES E. SPERLING
JOSEPH E. ROEHL
GEORGE T. HARRIS
DANIEL A. SISK
LELAND S. SEDBERRY
BURNS H. ERREBO
ALLEN C. DEWEY
FRANK H. ALLEN

1950 MAY 25 PM 1:24
ALBUQUERQUE, NEW MEXICO
TELEPHONE CHAPEL 3-4514
May 24, 1960

JOHN F. SIMMS (1865-1954)

New Mexico Oil
Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Enclosed in triplicate are applications for
"slim hole" completions " of Socony Mobil Oil Company,
Inc. No. 1 Federal "A" and No. 2 Santa Fe "F", which
are located in the Crossroads Devonian pool, Lea County,
New Mexico.

Socony Mobil is confronted with certain obligations
which require completion of these wells at an early date, and
we would therefore appreciate your setting them for hearing
at your early convenience.

Very truly yours,

Burns H. Errebo

Burns H. Errebo

BHE/b
encs.

*Reckel
Maid
6-9-60*

LAW OFFICES OF
MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS
SIMMS BUILDING

J. R. MODRALL
AUGUSTUS T. SEYMOUR
JAMES E. SPERLING
JOSEPH E. ROEHL
GEORGE T. HARRIS
DANIEL A. SISK
LELAND S. SEDBERRY
BURNS H. ERREBO
ALLEN C. DEWEY
FRANK H. ALLEN

1960 JUN 11 AM 11:13
P.O. BOX 436
ALBUQUERQUE, NEW MEXICO
TELEPHONE CHAPEL 3-4514

JOHN F. SIMMS (1885-1954)

June 20, 1960

New Mexico Oil
Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Enclosed herewith in triplicate is the application of Socony Mobil Oil Company, Inc for permission to dualy complete its No. 22 E. O. Carson as a "slim hole" completion as an exception to Statewide Rule 107 (e).

We would appreciate your setting this matter for hearing on your next docket.

Very truly yours,



Burns H. Errebo

BHE/b
encs.



Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

P. O. Box 2406
Hobbs, New Mexico

June 27, 1960

Mr. D. S. Nutter
P. O. Box 871
Santa Fe, New Mexico

Dear Dan:

The reference made to Trice Production Company's "slim-hole" approval is in Case No. 1949, Order No. R-1662. I made this reference last week on our "slim-hole case, No. 1999.

Sorry to have delayed so long in getting this information to you.

Yours very truly,

J. C. Gordon, Jr.
J. C. Gordon, Jr.

JCG/nrh

27 1/2" O.D. Tbg 6.5", N-80, from Surface to T.D.

10 3/4" O.D. 1 1/2" Sx 1/2" Sx Circ.

will use sufficient
cement to come
back to 8000'

27 1/2" O.D. Tbg Centralizer to Approx. 4000'

27 1/2" O.D. Tbg 6.5", N-80, from 4000' to T.D.

3 1/2" Drilled Hole to T.D.

Cement Circ. Above All Pags And Top Checked
w/ Temperature Survey

Permanent Sealing Shoes Installed Above Pags
27 1/2" O.D. Tbg Centralizers (Spans Thru Pags 830' intervals)

Drilled Hole 3 1/2", 4000' to 12,100' (Perf.)

Perf.

Guide Shoe Plug And One Joint Spaced Below
Perforated Intervals

only other
possible pay:
Pay
about 9000'

conventional
liner from
4000' to
TD
\$40000
add'l cost?

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

Est. T.D. @ 12,100' - 12,200'

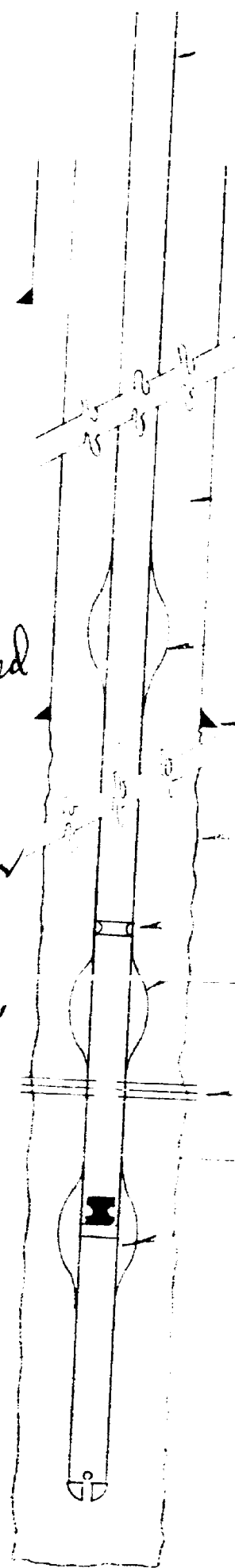
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
App'l EXHIBIT NO. 1
1999

PROPOSED "SLIM-HOLE" COMPLETION
FEDERAL "A" #1
WEST CROSSROADS DEVONIAN POOL
Sec. 31 T9S-R36E, Lea Co.

MOBIL OIL CO.
A DIVISION OF SOCONY MOBIL OIL COMPANY INC.
MOBBS, NEW MEXICO

| | | |
|-----------------|---------------|---------|
| DESIGNED BY JCG | DATE 6-13-69 | DRWG NO |
| DRAWN BY CEL | DATE 6-13-69 | |
| SCALE As Shown | FIELD BOOK NO | |

*Pump
 depleted
 now
 drlg
 deeper
 now
 drlg @
 11000'*



27 1/2" O.D. Tbg. 6.5" W.B.G. from Surface to T.D.

10 3/4" @ 457', 350 Sx. W/75 Sx. Circ.

*Calc cement to
come back to
approx 9400'*

Cement Circ. Into Tbg. And Top Checked
W/ Temperature Survey

27 1/2" O.D. Tbg. Centralizer @ Approx 3500'

7 5/8" @ 3625' 350 Sx Around Bottom
1 3/4" Sx Thru DY Tool @ 8520'
2 1/2" Sx Thru Perf @ 9520 W/25 Sx. Circ.

2 3/4" Casing Hole to T.D.

Permanent Sealing Choes Installed Above Pays

27 1/2" O.D. Tbg. Centralizers (Spaced @ 30' Intervals Thru Pay)

Devonian Pay Zone, 12,000' - 12,100' (est.)

Perforations

Guide Shoe Plug And One Joint Spaced
Below Perforated Interval

*conventional
completion
would cost
\$12,000 more*

Est. T.D. @ 12,100 - 12,200

BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
App EXHIBIT NO. *2*
 CASE NO. *1999*

| | | | |
|--|-----------------|----------------|--|
| PROPOSED "SLIM-HOLE" COMPLETION SANTA FE "F" NO. 2 O.W.D. CROSSROADS AREA Sec. 20 T9S, R34E, Lea County Hobbs District, New Mexico | | | |
| MOBIL OIL CO. A DIVISION OF SOCONY MOBIL OIL COMPANY, INC. HOBBS, NEW MEXICO | | | |
| DRAWN BY J.C.G. | DATE 5-13-60 | DRWG. NO. | |
| SCALE No. 5000 | DATE 6-15-60 | FIELD BOOK NO. | |