

CASE 2079: Application of SOCONY
MOBIL for a "SLIM-HOLE" OIL-OIL
DUAL OF ITS E. O. CARSON WELL # 23.

OK w/ amt + cent
provisions

Case No.

2079

Application, Transcript,
and Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
September 21, 1960

Examiner Hearing

IN THE MATTER OF:

Application of Socony Mobil Oil Company for a
"slim-hole" oil-oil dual completion.
Applicant, in the above-styled cause, seeks an
order authorizing the dual completion of its
E. O. Carson Well No. 23, located 760 feet from
the South line and 860 feet from the West line
of Section 28, Township 21 South, Range 37 East,
Lea County, New Mexico, in such a manner as to
permit the production of oil from the Paddock
Pool and the production of oil from the Wantz-
Abo Pool using parallel strings of 2 7/8-inch
tubing cemented in a common well bore.

CASE NO.
2079

BEFORE:

Daniel S. Nutter, Examiner
Oliver E. Payne

TRANSCRIPT OF PROCEEDINGS

MR. NUTTER: Case 2079.

MR. PAYNE: Application of Socony Mobil Oil Company for
a "slim-hole" oil-oil dual completion.

MR. ERREBO: Burns Errebo, Modrall, Seymour, Sperling,
Roehl & Harris of Albuquerque, appearing on behalf of the Appli-
cant. I have one witness.

(Witness sworn.)

J. K. GORDAN, JR.

called as a witness, having been previously duly sworn, testified

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as follows:

DIRECT EXAMINATION

BY MR. ERREBO:

Q Will you state your name and occupation and by whom you are employed?

A J. K. Gordan, Jr., Senior Production Engineer, in Hobbs.

Q Have you previously testified before this Commission as an engineer?

A Yes, sir.

Q Your qualifications have been accepted?

A Yes, sir.

Q Are you familiar with the application which is being heard at this time?

A Yes, sir.

Q And are you familiar with the proposed plan of completion of the well which is subject to the application?

A Yes.

Q And have you prepared an exhibit which reflects the plan of completion which you propose here today?

A Yes, and so marked Exhibit Number One.

(Whereupon, Applicant's Exhibit Number 1 was marked for identification.)

Q Where is this well located, and will you identify it for the record?

A This is E. O. Carson Well No. 23, the proposed well is

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located 760 feet from the South and 860 feet from the West line, Range 37 East, in Lea County, New Mexico.

Q This well has not been drilled, has it?

A No, sir.

Q Will you proceed now to explain to the Examiner and the other members of the Commission who are present the land which you propose for completion of this well as reflected on this exhibit?

A As shown on Exhibit Number 1 E. O. Carson 23 is a proposed dual to the Paddock and Wantz-Abo Pools. The drilling of this well involved showing on the diagram a setting of a service string of casing 13 3/8 set at 350 with cementing circulated to the surface. The intermediate 9 5/8 set at 2900 feet with the cement circulated to the surface, drilling through the 9 5/8-inch casing to the total depth of something greater than 7100 feet. We then propose to install two strings of 2 7/8 OD casing, the long string to be using for the Wantz-Abo production and the short string for the Paddock production. As shown on our diagram the 2 7/8 OD casing would be cemented using guide shoe, cementing plug and baffle plates. And our bottom joint below the interval to be perforated so that your pumping of the plug down behind the cement would clear the perforated interval and allowing us to perforate without drilling out any cement inside of this casing. Both the strings would have casing centralizers installed immediately around the pay. As shown on our diagram we are, we have, noting clamps, by numeral 3, those are optional, they could be used as

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triple, we have not settled on that. Our cement around the strings of 2 7/8-inch casing would be circulated back to approximately 2700 feet tying in with the intermediate string of 9 5/8-inch casing, above the pays perforating intervals in both strings of 2 7/8-inch pipe. We have setting shoes installed for future installation of pumping equipment or other inside casing devices. The upper pay would be, would not be necessarily perforated with an oriented gun, to not perforate the other string of tubing which is lying alongside. The lower pay would be perforated with a conventional gun inside of 2 7/8-inch casing. This plan of cementing in the center, both entire strings, allows us to complete the well with a cement sheath around the hole from top to bottom giving us as complete as protection as we can get.

Q Will this cementing be done in more than one stage with regard to these two zones?

A At the present time our cementing plan calls for us to cement through the long string with sufficient cement and overage to bring the cement back up to our upper string in the Paddock and use that as our first stage. The second stage would be started by clearing any excess cement by pumping out of shorter strings, the Paddock string of casing and reverse clearing out all cement and mud again and then going ahead to cement from just the upper strings essentially a two state cementing operation. We believe this will give us a better chance to get a good cement job without the contamination of mud and lessening any slight and at present time



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unknown possibility of loss of circulation because we would be minimizing the amounts of cement head over the lower pays, the lower formations.

Q Do you expect each zone will be productive of oil as opposed to gas? In other words, this will be an oil-oil dual?

A Yes, sir.

Q To what extent does this application not come within the administrative provisions of rules 701E?

A I believe that is 107.

Q 107.

A This is a dual, this is below 5,000 feet, otherwise we could ask through the provision of 1107E, we could ask, our difficulties to complete this as "slim-hole", this is deeper modified "slim-hole" completion.

Q Actually you expected in this case, as you have in other "slim-hole" completions which you have proposed to the Commission for approval and which have been approved by the Commission, you expected there would be a saving of money by the elimination of the oil string?

A Yes, sir.

Q Is there any other well on this lease which is completed in a similar manner as a result of a hearing before this Commission and order issued pursuant thereto?

A Our E. O. Carson Number 22 is now being drilled, it is almost to TD, and in that well we received permission to complete



the E. O. Carson Number 22 essentially as we have shown here as Carson by order 761, the difference, the size of casing set for service and intermediate strings.

Q And is that size greater or smaller than what was approved from that previous hearing?

A In this case we have proposed use of larger casing than we used in our first well, the E. O. Carson Number 22.

Q That larger casing being in the surface string, is that correct?

A On our E. O. Carson 22 the surface string was set 10 3/4-inch and the intermediate string was set at 8 5/8-inch.

Q Was this exhibit, Mr. Gordan, prepared by you or under your supervision?

A It was prepared by me.

Q We offer Exhibit Number 1.

MR. NUTTER: Socony Mobil's exhibit will be admitted.

MR. ERREBO: That is all we have from this witness.

MR. NUTTER: Anyone have any questions? Mr. Payne.

BY MR. PAYNE:

Q Mr. Gordan, will you be able to anticipate lift of either or both zones with this type completion?

A Yes, sir.

Q Now, do you anticipate that the Paddock pay will be sour crude?

A Yes, sir.

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Q How about the Wantz-Abo?

A Recent developments in nearby Wantz-Abo shows it to be slightly corrosive although it is classified as sweet crude at the present time. We believe we can adequately protect our casing interiors by corrosion inhibitor squeezers or down the hole corrosion inhibitor. There is a slight corrosion problem in other wells approximately one to two miles to the north.

Q You do intend to take such action to prevent undue corrosion problems?

A Yes, sir.

Q What about pressure problems, do you anticipate any?

A No, sir.

MR. PAYNE: Thank you.

BY MR. NUTTER:

Q Mr. Gordan, this intermediate string at 2900 feet does that penetrate this oil section?

A Yes, sir.

Q You stated you would use centralizers throughout the pay. However, you didn't mention at what intervals?

A As shown on our diagram we plan to use those at 30 foot intervals or one per joint.

Q I understand your cement program, I think, I want to be clear on this. You are going to cement through the long string and bring the top of the cement up to approximately the shoe or the



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short string?

A Yes, sir, to the shoe or above, we plan on using enough overage to definitely get it to the shoe.

Q You clean out and cement through the short string and bring the top of the cement up to 2700 feet?

A Yes, sir.

Q The intermediate string at 2900 feet is going to have cement circulated to the surface as well as the 13 3/8?

A Yes, sir.

Q The oriented gun you will use to perforate the upper string or short string, will that radioactive source orientation?

A Yes, sir.

Q What is the size of the hole that will be drilled through the 9 5/8?

A 8 1/2 inch, I believe.

Q Which provides room for two strings of tubing plus an adequate cement sheath?

A Yes, sir.

MR. NUTTER: Any further questions of Mr. Gordan? You may be excused.

BY MR. PORTER:

Q Mr. Gordan, to my knowledge Socony Mobil has had development on this particular lease for many years for various pays?

A Yes, sir.

Q Do you anticipate that the company would consider drilling



on this particular location if it didn't have, if the "slim-hole" technique or something like that could not be used?

A No, sir, in this case I don't believe "slim-hole" completion has made this location economically feasible, it is a further saving.

MR. PORTER: Thank you.

A In addition to that our other well completions here cannot be modified at this time to produce these formations.

MR. NUTTER: Any further questions of Mr. Gordon? You may be excused.

(Witness excused.)

MR. NUTTER: Do you have anything further?

MR. ERREBO: Nothing further.

MR. NUTTER: Does anyone have anything further for Case 2079? We will take the case under advisement and take a 15 minute recess.

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STATE OF NEW MEXICO)
 : ss
 COUNTY OF BERNALILLO)

I, LEW NELSON, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached transcript of proceedings before the Oil Conservation Commission was reported by me in stenotype and reduced to typewritten transcript by me and/or under my personal supervision and that the same is a true and correct record to the best of my knowledge, skill and ability.

Witness my hand and seal this the 36 day of September, 1960, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Lew Nelson
 NOTARY PUBLIC

My Commission Expires:
 June 1st, 1960

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2029, heard by me on 9/21, 1960.

[Signature], Examiner.
 New Mexico Oil Conservation Commission

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ALBUQUERQUE, NEW MEXICO



I N D E X

WITNESS

DIRECT

CROSS

J. K. GORDAN, JR.
 By Mr. Errebo
 By Mr. Payne
 By Mr. Nutter
 By Mr. Porter

2
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EXHIBIT

FOR
IDENTIFICATION

OFFERED

Applicant's No. 1

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ALBUQUERQUE, NEW MEXICO



GOVERNOR
JOHN BURROUGHS
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
MURRAY E. MORGAN
MEMBER



STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY DIRECTOR

P. O. BOX 871
SANTA FE

Mr. Burns Erbe
Box 466
Sierra Building
Albuquerque, New Mexico

Re: Case No. 2079
Order No. E-1785
Applicant:
Secoy Mobil Oil Co.

Dear Sir:

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

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC 3
Artesia OCC
Aztec OCC

Other

**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. 2079
Order No. R-1785**

**APPLICATION OF SOCONY MOBIL OIL
COMPANY FOR A "SLIM-HOLE" OIL-OIL
DUAL COMPLETION IN THE PADDOCK
POOL AND IN THE WANTS-ABO POOL,
LEA COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on September 21, 1960, at Santa Fe, New Mexico, before Daniel S. Matter, 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 3rd day of October, 1960, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Matter, and being fully advised in the premises,

FINDS:

(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, Socony Mobil Oil Company, is the owner and operator of the E. O. Carson Well No. 23, located 766 feet from the South line and 860 feet from the West line of Section 28, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to dually complete the above-described E. O. Carson Well No. 23 in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Wants-Abo Pool through parallel strings of 2 7/8-inch tubing cemented in a common well bore.

(4) That casing centralizers should be used at 30-foot intervals throughout the producing formations and to a point at least 100 feet above each such formation.

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

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CASE No. 2079
Order No. R-1783

(6) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

That the applicant, Socony Mobil Oil Company, Inc. and the same is hereby authorized to dually complete its E. O. Carson Well No. 23, located 760 feet from the South line and 860 feet from the West line of Section 28, Township 21 South, Range 37 East, NMRM, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Wanta-Abe Pool through parallel strings of 2 7/8-inch tubing cemented in a common well bore.

PROVIDED HOWEVER, That casing centralizers shall be installed at 30-foot intervals throughout the producing formations and to a point at least 100 feet above each producing formation.

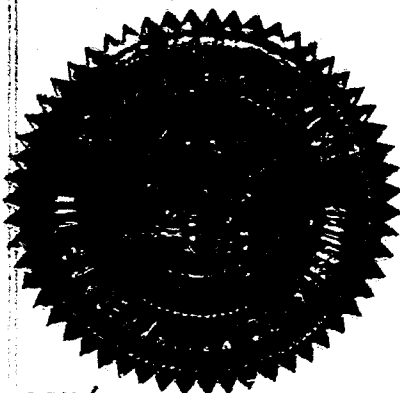
PROVIDED FURTHER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That the applicant shall take communication tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Paddock Pool.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or the protection of correlative rights; upon failure of the applicant to comply with any requirement of this order, the Commission may terminate the authority herein granted and require the applicant or its successors and assigns to limit its activities to regular single-zone production in the interest of conservation.

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

esx/

DOCKET: EXAMINER HEARING, WEDNESDAY, SEPTEMBER 21, 1960

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

* Case Nos. 2083 through 2089 will not be heard before 1 p.m.

CASE 2055: (Continued)

Application of Aztec Oil & Gas Company for a gas-gas dual completion utilizing two strings of casing. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Hanks Well No. 12-D, located in Unit H, Section 7, Township 27 North, Range 9 West, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Fulcher Kutz-Pictured Cliffs Pool and the production of gas from the Dakota Producing Interval through parallel strings of 2 7/8-inch and 4½-inch casing cemented in a common well bore. Applicant proposes to install 2 3/8-inch tubing to produce the Dakota gas.

NEW CASESCASE 2073:

Application of Aztec Oil & Gas Company for a gas-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Hanks Well No. 18-D, located in Unit B, Section 5, Township 27 North, Range 9 West, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Fulcher Kutz-Pictured Cliffs Pool and the production of gas from the Dakota Producing Interval through parallel strings of 2 7/8-inch and 4½-inch casing cemented in a common well bore. Applicant also proposes to install 2 3/8-inch tubing to produce the Dakota gas.

CASE 2074:

Application of Aztec Oil & Gas Company for a gas-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Hanks Well No. 16-D, located in Unit K, Section 6, Township 27 North, Range 9 West, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Fulcher Kutz-Pictured Cliffs Pool and the production of gas from the Dakota Producing Interval through parallel strings of 2 7/8-inch and 4½-inch casing cemented in a common well bore. Applicant also proposes to install 2 3/8-inch tubing to produce the Dakota gas.

CASE 2075: Application of Aztec Oil & Gas Company for a gas-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Hanks Well No. 15-D, located in Unit B, Section 6, Township 27 North, Range 9 West, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Fulcher Kutz-Pictured Cliffs Pool and the production of gas from the Dakota Producing Interval through parallel strings of 2 7/8-inch and 4 1/2-inch casing cemented in a common well bore. Applicant also proposes to install 2 3/8-inch tubing to produce the Dakota gas.

CASE 2076: Application of Aztec Oil & Gas Company for a gas-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Hare Well No. 15-D located in Unit D, Section 10, Township 29 North, Range 10 West, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Aztec-Pictured Cliffs Pool and the production of gas from the Dakota Producing Interval through parallel strings of 2 7/8-inch and 4 1/2-inch cemented in a common well bore. Applicant also proposes to install 2 3/8-inch tubing to produce the Dakota gas.

CASE 2077: Application of El Paso Natural Gas Company and Sinclair Oil & Gas Company for two non-standard gas proration units. Applicants, in the above-styled cause, seek an order establishing two 191-acre non-standard gas proration units in the South Blanco-Pictured Cliffs Gas Pool, Rio Arriba County, New Mexico, one comprising the NE/4 and lots 1 and 2 of Section 18, the other comprising the SE/4 and lots 3 and 4 of said Section 18, both in Township 24 North, Range 3 West. Said units are to be dedicated respectively to the Tonkin Federal Well No. 3, located 1470 feet from the North line and 1750 feet from the East line of said Section 18 and to the Tonkin Federal Well No. 4, located 1500 feet from the South line and 990 feet from the East line of said Section 18.

CASE 2078: Application of Chambers & Kennedy for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Monterey State Well No. 2, Unit D, Section 32, Township 18 South, Range 31 East, Eddy County, New Mexico, in such a manner as to permit the production of oil from an undesignated Yates oil pool and the production of oil from the North Shugard Queen-Grayburg Pool through parallel strings of 1 1/2-inch and 2 3/8-inch tubing respectively.

CASE 2079: Application of Socony Mobil Oil Company for a "slim-hole" oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its E. O. Carson Well No. 23, located 760 feet from the South line and

860 feet from the West line of Section 28, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Wantz-Abo Pool using parallel stings of 2/7/8-inch tubing cemented in a common well bore.

CASE 2080:

Application of W. H. Swearingen for an amendment of Order No. R-1748. Applicant, in the above-styled cause, seeks an amendment of Order No. R-1748 to include the SE/4 NW/4 of Section 21 with the remainder of the N/2 of said Section 21, both in Township 18 South, Range 26 East, Eddy County, New Mexico, to form a standard 320-acre gas unit in the Atoka-Pennsylvanian Gas Pool. Applicant further seeks a determination of the well costs which are to be paid by the parties.

CASE 2081:

Application of Phillips Petroleum Company and Phillips Chemical Company for permission to commingle the production from three separate leases. Applicant, in the above-styled cause, seeks permission to commingle the production from the Vacuum Pool from all wells on the following-described portions of three State leases:

State Lease No. B-2073, SE/4 NE/4 of Section 19

State Lease No. B-2388, NW/4 SE/4 of Section 20

State Lease No. B-1501, NE/4 NW/4 of Section 29

all in Township 17 South, Range 35 East, Lea County, New Mexico.

CASE 2082:

Application of Pan American Petroleum Corporation for off-lease storage of oil. Applicant, in the above-styled cause, seeks an order authorizing it to store the Empire-Abo Pool production from its Malco "N" Lease (NW/4 and N/2 SW/4 of Section 15) in a separate tank battery to be located on its State "BR" Lease (NE/4 NE/4 of Section 16), both in Township 18 South, Range 27 East, Eddy County, New Mexico.

The following cases will not be heard before 1 p.m. on September 21, 1960.

CASE 2083:

Application of Gulf Oil Corporation for a 160-acre non-standard gas proration unit and for an order force-pooling the mineral interests therein. Applicant, in the above-styled cause, seeks an order force-pooling all mineral interests within the vertical limits of the Tubb Gas Pool in a 160-acre

non-standard gas proration unit consisting of the W/2 E/2 of Section 14, Township 21 South, Range 37 East, Lea County, New Mexico, including the following non-consenting interest owners: J. M. Newton, Ronald J. Byers, Robert E. Byers, and Constance E. Byers. Said unit is to be dedicated to the Naomi Keenum Well No. 2, located 660 feet from the South line and 1980 feet from the East line of said Section 14.

CASE 2084:

Application of Gulf Oil Corporation for permission to commingle the production from several separate pools and for permission to install two automatic custody transfer systems. Applicant, in the above-styled cause, seeks permission to commingle the production from the Brunson-Ellenburger Pool with production from the Hare Pool, and to commingle the production from the Terry-Blinebry Pool with the production from the North Paddock Pool, on its Harry Leonard "F" Lease, consisting of the E/2 of Section 2, Township 21 South, Range 37 East, Lea County, New Mexico. Applicant further seeks permission to install two automatic custody transfer systems to handle the aforesaid commingled production.

CASE 2085:

Application of Gulf Oil Corporation for permission to commingle the production from several separate pools and for permission to install two automatic custody transfer systems. Applicant, in the above-styled cause, seeks permission to commingle the production from the Brunson-Ellenburger Pool with production from the Hare Pool, and to commingle the production from the Wantz-Abo Pool, Paddock Pool, Penrose-Skelly Pool and Drinkard Pool with the gas condensate production from the Tubb Gas Pool and the Blinebry Gas Pool, from all wells on its Eunice King Lease consisting of the N/2 of Section 28, Township 21 South, Range 37 East, Lea County, New Mexico. Applicant further seeks permission to install two automatic custody transfer systems to handle the aforesaid commingled production.

CASE 2086:

Application of Gulf Oil Corporation for an automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the installation of an automatic custody transfer system to handle the Gladiola (Devonian) Pool production from all wells presently completed or hereafter drilled on the M. M. Harris Lease comprising the NW/4 of Section 8, Township 12 South, Range 38 East, Lea County, New Mexico.

CASE 2087:

Application of Gulf Oil Corporation for an automatic custody transfer system. Applicant, in the above-styled cause seeks an order authorizing the installation of an automatic custody transfer system to handle the Gladiola (Devonian) Pool production from all wells presently completed or hereafter drilled

Docket No. 27-60

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on the Lea-State "AV" Lease comprising the NW/4 of Section 19, Township 12 South, Range 38 East, Lea County, New Mexico.

CASE 2088:

Application of Tennessee Gas Transmission Company for an amendment of Order No. R-1755. Applicant, in the above-styled cause, seeks an order amending Order No. R-1755 to expressly designate the applicant as operator of the unit pooled in said order with all powers incidental to the proper operation of the unit including the power and authority to market the production from the unit well.

CASE 2089:

Application of Val R. Reese & Associates, Inc. for the promulgation of special rules and regulations governing the Escrito-Gallup Oil Pool. Applicant, in the above-styled cause, seeks an order promulgating special rules and regulations governing the drilling, spacing and production of oil and gas wells in the Escrito-Gallup Oil Pool, Rio Arriba County, New Mexico and further, to extend said pool to include all of Section 25, Township 25 North, Range 7 West.

11:11 AM 000
1930 AUG 12 AM 8 2

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) OF THE
RULES AND REGULATIONS TO PERMIT IT
TO DUALY COMPLETE IN THE PADDOCK AND
ABO FORMATIONS, WITH 2-7/8" O.D. CASING
ITS NO. 23 E. O. CARSON TO BE LOCATED
AT A POINT 760' FSL and 860' FWL,
SECTION 28, RANGE 37 EAST, TOWNSHIP 21
SOUTH, PADDOCK AND ABO POOLS, LEA COUNTY,
NEW MEXICO.

CASE NO.

2079

A P P L I C A T I O N

Applicant states:

1. That applicant Socony Mobil Oil Company, Inc. proposes to drill well No. 23 E. O. Carson, to be located at a point 760' FSL and 860' FWL, Section 28, Range 37 East, Township 21 South, Lea County, New Mexico.
2. That applicant proposes to dualy complete said well in the Paddock and Abo Formations at a total depth in excess of 5,000 feet in the Paddock and Abo Pools as a "slim hole" completion, using parallel strings of 2-7/8" O.D. casing.
3. That applicant requests an exception to Rule 107 (e) of the Rules and Regulations of this Commission to permit the 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) for applicant's No. 23 E. O. Carson 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

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

100-5079

MAIN OFFICE OCC
LAW OFFICES OF
MODER, SEYMOUR, SPERLING, ROEHL & HARRIS

1960 AUG 22 AM 8:42
P. O. BOX 486
ALBUQUERQUE, NEW MEXICO
TELEPHONE CHAPEL 3-4514

JOHN F. SIMMS (1886-1954)

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

August 19, 1960

New Mexico Oil Conservation Commission
Mabry Hall
State Capitol
Santa Fe, New Mexico

Gentlemen:

Enclosed herewith is Application for Socony Mobil Oil for permission to complete its E. O. Carson No. 23 as a dual slim-hole completion in the Paddock and Abo formations. The well is located in Lea County, New Mexico.

Will you please set this matter for hearing on your first available Examiner Docket.

Very truly yours,

Burns H. Errebo
Burns H. Errebo

BHE/rb

Enclosure

9-9-60
9-9-60

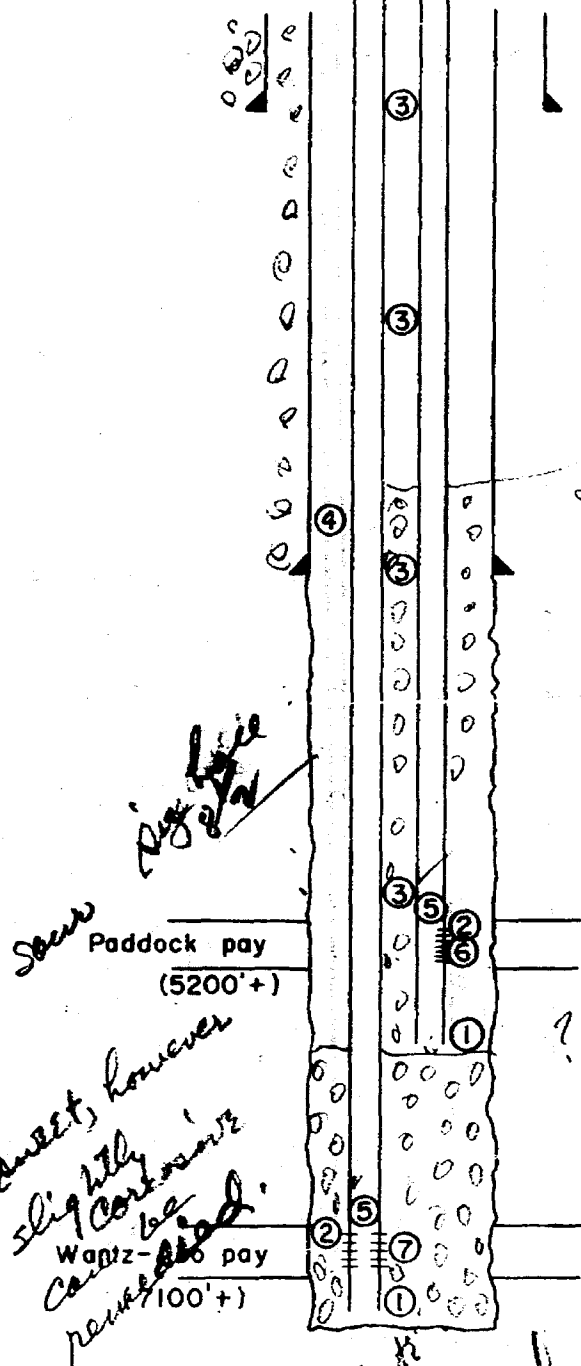
Wantz - Abo Production

Paddock Production

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 1
CASE NO. 2079



13 3/8" set at 350'; cement circ. ✓

9 5/8" set at 2900'; cement circ. ✓

intervals of cement?

NOTES

- ① 2 7/8" O.D. casing with guide shoe, cementing plug and baffle plate in bottom joint - below interval to be perforated.
- ② Casing centralizers used at 30' intervals across pay zone and above & below.
- ③ Clamps
- ④ Cement circulated to approx. 2700' tie in to 9 5/8"
- ⑤ Seating shoes installed in 2 7/8" O.D. approx. 100' above perforated interval.
- ⑥ Upper perforating with oriented gun.
- ⑦ Lower perforating with conventional gun.

type of gun?

R-1716
Carson # 22
perforating intermediate
string as well as
otherwise identical
Art lift
yes.

EXHIBIT I

PROPOSED DUAL "SLIM-HOLE" COMPLETION
E. O. CARSON NO. 23 (to be drilled)
760' FSL & 860' FWL, Sec 28, T21S, R37E
Lea County, New Mexico

MOBIL OIL CO.

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

DESIGNED BY J.C.G.	DATE 8-24-60	DRWG. NO.
DRAWN BY C.E.L.	DATE 8-24-60	
SCALE 1/2" = 100'	FIELD BOOK NO.	