

CASE 2454: Application of SOCONY
MOBIL for exception to Rule 303 (a)
to permit commingling.

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petition, Transcript,
all Exhibits, Etc.

DOCKET: EXAMINER HEARING - MONDAY - DECEMBER 11, 1961

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

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, as alternate examiner:

CASE 2447: (Continued)

Application of Humble Oil & Refining Company for approval of a pressure maintenance project in the Cha Cha-Gallup Oil Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a pressure maintenance project in the Cha Cha-Gallup Oil Pool by the injection of water into certain wells located on the Navajo Indian Reservation in Sections 13 through 29 and 33 through 36, Township 29 North, Range 14 West, San Juan, New Mexico. Applicant further seeks the promulgation of special rules and regulations governing said project.

CASE 2429: (Continued)

Application of Standard Oil Company of Texas for approval of the Jurnegan Point Unit Agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Jurnegan Point Unit Agreement embracing 10,240.84 acres, more or less, of State and fee lands in Township 24 South, Ranges 24 and 25 East, Eddy County, New Mexico.

CASE 2450:

Application of Texaco Inc. for an exception to Rule 309-A, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 309-A to permit the Abo production from its State "AB" Lease, located in Section 6, Township 18 South, Range 35 East, Lea County, New Mexico, to be transported prior to measurement on said lease to applicant's State "R" (NCT-1) Lease, located in said Section 6.

CASE 2462:

Application of Texaco Inc. for three triple completions, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing the triple completion of its V. M. Henderson Well Nos. 7, 8 and 9, located in Units F, E, and G, respectively, Section 30, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of oil from each well from the Penrose-Skelly, Paddock, and Drinkard Pools through parallel strings of 2 3/8-inch tubing cemented in common well bores.

- CASE 2451: Application of The Ohio Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Lea Unit Well No. 6, located in Unit J of Section 11, Township 20 South, Range 34 East, Lea County, New Mexico, as a dual completion (conventional) adjacent to the Lea-Pennsylvanian Gas and Lea-Devonian Pools, with the production of gas from the Pennsylvanian formation and the production of oil from the Devonian formation through parallel strings of 2 3/8-inch tubing.
- CASE 2452: Application of Southwest Production Company for an order pooling all mineral interests in the Basin-Dakota Gas Pool in the W/2 of Section 7, Township 30 North, Range 11 West, San Juan County, New Mexico. Interested parties include Maleta Y. Brimhall, Phoenix, Arizona, and Barbara Brimhall Burnham, Aztec, New Mexico.
- CASE 2453: Application of Southwest Production Company for an order pooling all mineral interests in the Basin-Dakota Gas Pool in the E/2 of Section 7, Township 30 North, Range 11 West, San Juan County, New Mexico. Interested parties include Harold Marion Brimhall and his wife, Maleta Y. Brimhall, both of Phoenix, Arizona.
- CASE 2454: Application of Socony Mobil Oil Company, Inc., for an exception to Rule 303 (a), Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 303 (a) to permit the commingling of the production from the Denton-Devonian and the Denton-Wolfcamp Pools on its T. D. Pope lease, comprising the S/2 of Section 26 and the W/2 of Section 36, Township 14 South, Range 37 East, Lea County, New Mexico. Applicant proposes to meter the production from one pool only and to allocate production to the other pool according to the subtraction method; the API gravity of the crude from one of the pools is greater than 45°.
- CASE 2455: Application of Hondo Oil & Gas Company for an unorthodox oil well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox oil well location in the Empire Abo Pool 660 feet from the East line and 2590 feet from the North line of Section 25, Township 17 South, Range 28 East, Eddy County, New Mexico.

CASE 2131: (Reopened)

In the matter of the application of Robinson Brothers Oil Producers for the establishment of 320-acre gas proration units in the TV-Pennsylvanian Gas Pool, Chaves County, New Mexico. Case 2131 will be reopened pursuant to Order No. R-1839 to permit the applicant and other interested parties to appear and show cause why the TV-Pennsylvanian Gas Pool should not be developed on 160-acre proration units.

CASE 2456:

Application of Great Western Drilling Company for a unit agreement and for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Maljar Unit Agreement, covering 1,360 acres, more or less, in Township 17 South, Ranges 32 and 33 East, Lea County, New Mexico. Applicant further seeks authority to institute a waterflood project in the Maljar (Grayburg-San Andres) Pool by the injection of water into the Grayburg-San Andres formation initially through six wells located in Sections 7 and 18, Township 17 South, Range 33 East, and in Sections 12 and 13, Township 17 South, Range 32 East, Lea County, New Mexico, said project to be governed by the provisions of Rule 701.

CASE 2457:

Application of Murphy H. Baxter for a waterflood project in the Maljar (Grayburg-San Andres) Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Maljar (Grayburg-San Andres) Pool in Section 13, Township 17 South, Range 32 East and Sections 17 and 18, Township 17 South, Range 33 East, Lea County, New Mexico, with the injection of water initially to be through four wells located in Section 18, Township 17 South, Range 33 East; said project is to be governed by Rule 701.

CASE 2458:

Application of Zapata Petroleum Corporation for a waterflood project in the Maljar (Grayburg-San Andres) Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to institute a waterflood project in the Maljar (Grayburg-San Andres) Pool in Sections 17 and 20, Township 17 South, Range 33 East, Lea County, New Mexico, with the injection of water initially to be through three wells located in said Sections 17 and 20; said project is to be governed by Rule 701.

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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. 2454
Order No. R-2176

APPLICATION OF SOCONY MOBIL OIL
COMPANY, INC., FOR AN EXCEPTION
TO RULE 303 (a), LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 11, 1961, at Santa Fe, New Mexico, before Elvis A. Utz, 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 January, 1962, the Commission, a quorum being present, having considered the application and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

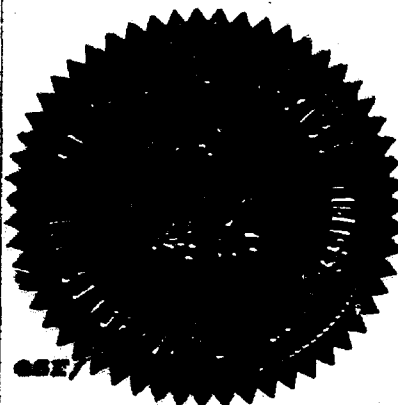
(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Socony Mobil Oil Company, Inc., has requested that Case No. 2454 be dismissed.

IT IS THEREFORE ORDERED:

That Case No. 2454 is hereby dismissed.

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



STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

E. L. Mechem
EDWIN L. MECHEM, Chairman

E. S. Walker
E. S. WALKER, Member

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

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



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

P. O. BOX 871
SANTA FE

January 30, 1962

Re: CASE NO. 2454
ORDER NO. R-2176
APPLICANT:
Socony Mobil

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

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

ir/

Carbon copy of order also sent to:

Hobbs OCC x
Artesia OCC
Aztec OCC

OTHER

swear the witness.

(Witness sworn.)

(Whereupon, Applicant's Exhibit
No. 1 marked for identification.)

JAMES M. MCGEE,

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

DIRECT EXAMINATION

BY MR. ERREBO:

Q State your name, please.

A James M. McGee.

Q Will you state by whom you are employed, at what
location, and in what capacity?

A I'm employed by Mobil Oil Company, Socony Mobil Oil
Company, Inc., in Hobbs, New Mexico, as production engineer.

Q Have you previously testified before this Commission
as an engineer and were your qualifications accepted?

A Yes.

MR. ERREBO: Mr. Morris, I note in the application
that there is a change that should be made in the description.
The proper description of the lease as covered by this appli-
cation, which is a T. D. Pope lease, is the South Half of
Section 26 and the East Half of Section 35, Township 14 South,
Range 37 East, Lea County, New Mexico. The application reads:
The West Half of Section 36. I wonder if we can make that amend-



ment at this time?

MR. MORRIS: Off the record.

(Discussion off the record.)

MR. MORRIS: Back on the record.

MR. ERREBO: Mr. Examiner, we move to amend the application to cover the following described acreage: South Half of Section 26, and the East Half of Section 35, Township 14 South, Range 37 East, Lea County, New Mexico.

MR. UTZ: Mr. Morris:

MR. MORRIS: If the Examiner please, I would concur in Mr. Errebo's motion for amendment of the application in this case, provided that Socony Mobil furnish to the Commission waivers of objection from all offset operators to the East Half of Section 35 that has been added to the application and all operators within Section 35. In other words, that would include Sinclair, Shell, Skelly, Atlantic, Phillips, and I believe that's all. Would Socony Mobil be willing to secure the waivers of objection from offsetting operators?

MR. ERREBO: We'll be glad to and we'll furnish them to the Commission.

MR. MORRIS: I would recommend to the Examiner that the case proceed on that basis.

MR. UTZ: The application will be amended subject to those provisions just stated.

Q (By Mr. Errebo) Mr. McGee, have you prepared a plat



showing the T. D. Pope lease which is the subject of this application?

A Yes, sir, I have. It is Exhibit 1.

Q Will you refer to that exhibit, please, and describe what is shown thereon?

A Exhibit 1 shows the location of all the wells on our T. D. Pope lease, which is indicated in the pink. This in our color code for our company indicates a part interest lease. This lease has some 31 wells on it, 16 Devonian Wells, and 30 Wolfcamp Wells.

Q Is there anything else further you have with regard to that exhibit?

A No.

(Whereupon, Applicant's Exhibit No. 2 marked for identification.)

Q Will you refer to Exhibit No. 2 and state what is shown thereon?

A Exhibit 2 is another map of the Pope lease. It shows our proposed satellite locations which are at the standard battery locations now.

Q What do you mean by satellite locations?

A This would be the point at which we propose to commingle the Wolfcamp and Devonian fluids and place them in a common gathering line consisting of four-inch and six-inch line to be transported to the central battery site.



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Q Will you refer to your Exhibit 2-B.

A This exhibit shows the gravities and value of the production on the Pope lease in any one month. This month was picked at random, and it shows that the gravity being above the 44 which is the penalty point in our gravity there on sales price. Both these crudes would have, after they are commingled, more value than before they're commingled.

Q That shows a total value to be in excess of the individual values of the liquids produced, is that correct?

A That's correct.

Q Will you refer to the next exhibit which I believe you have marked Exhibit No. 3, however, that is actually No. 4, is it not?

A That's correct. You will notice that I have marked there in pencil, I have made a mistake on this, we should have our metering on the Devonian side as indicated originally. If these pencil marks are taken out, that will be correct because that's the low gravity side. According to the rules it should be the one that's metered and sampled. This is a diagramatic sketch of our proposed commingling system. In each one of our satellites, which this would be a satellite, there's a header for each zone and we propose to commingle through a three-way, three position pneumatically operated valve on test into a test heater treater and then meter. Otherwise we will go



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through the production separators and through a metering facility and sampling facility on the Devonian side, since the Devonian does produce water. We propose to meter the Devonian and then utilize the subtraction method to determine the production through the Wolfcamp side.

MR. UTZ: Is that the correction that you made on this Exhibit No. 3 here?

A Yes, sir, it should be erased.

MR. UTZ: Then you were right in the first place?

A Yes, sir.

Q (By Mr. Errebo) Do you have anything further with regard to Exhibit No. 3, Mr. McGee?

A No, I don't.

Q Will you refer to your next exhibit then and identify it?

A Exhibit 4 shows the average daily production for the months of September and October, which is approximately 60 days, and shows that our Denton side is predominantly top allowable wells while the Wolfcamp side is all marginal wells, and this is additional information. Attached to this are copies of C-115's for the months of September and October. It's also to be noted that on the C-115's that the Wolfcamp makes very little water; in fact, only one well which is No. 11 which makes approximately, oh, seven or eight per cent water. The other Wolfcamp wells on this lease make no water or none that can be measured.



Q What is the total average daily production for the Devonian formation as shown on this exhibit?

A Devonian formation would be 2624 barrels a day.

Q What is the comparable production for the Wolfcamp?

A Would be 349 barrels per day.

Q Which of those formations do you propose to meter, and which do you propose to determine production from by the subtraction method?

A We propose to meter the Denton Pool production and determine the Wolfcamp production by the subtraction method.

Q Which is the water-producing zone of the two?

A The Denton is predominantly the water production zone.

Q The Devonian, you mean?

A The Denton-Devonian, right.

Q Then you propose to meter it?

A That's correct, and sample.

Q Do you have anything further with regard to that exhibit?

A No, but at this point I would like to say that through studying pressure volume and temperature analysis on these two crudes, we have established that a reduction in pressure since our separators operated, from 50 to 60 pounds PSI per vessel. We've established through P.C.T. analysis that a reduction from 100 to zero, these two crudes shrinking almost identically, the difference being 1/10,000th in the volume formation factor. We



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would like to prove our meter on the Denton side, not taking into account weathering, since we believe that the weathering would also be identical on the two crudes. What we would like to do is prove our meter on the Devonian side under pressure with a master meter and collect samples of the Devonian crude periodically, preferably to us annually; however, what the Commission would say in this instance would be agreeable to us. Collect this fluid under 60 pounds, flash it to zero PSI; determine a shrinkage factor which would be applied to our meter factor, and thereby allow us to prove these meters under the pressure, under the same conditions that it's metered through the meter. We estimate that the reduction would be approximately five to ten per cent in volume. So we would periodically run pressure and volume analyses on the crude and flash it from 60 PSI to zero PSI and get the shrinkage factor which would be applied to the meter factor. This keeps us from having to prove into a positive volume atmospheric tank. One reason we would like to use this method is because we have to dump against 25 pounds into this gathering system. In order for us to get this atmospheric prover back in there, we would have to haul the oil down to the battery and dump it into the tanks or have a pump to pump it back into the line.

Q Do you anticipate that should the Commission allow you to use this procedure, that you would save substantial investment cost in lease equipment?



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A Yes, we would. A positive volume prover would cost approximately \$1500, maybe more than that, probably more having to be trailer mounted so we could haul it around. Through PCT analysis on this crude we can establish and hold this correction shrinkage factor. I think it would average out about the same, I think, from year to year on this high gravity crude.

Q What was the actual difference in formation volume factor on the Wolfcamp crude which you referred to a while ago?

A On the Wolfcamp crude at 100 PSI and 140 degrees Fahrenheit the formation volume factor was 1.1571.

MR. UTZ: Which crude was that?

A The Wolfcamp.

MR. UTZ: 1.1571?

A 1.1571. At zero PSI and 140 degrees Fahrenheit, the formation factor was 1.0412, the difference being 0.1159. Now on the Denton-Devonian crude at 100 PSI and 176 degrees Fahrenheit the formation volume factor is 1.1991. At zero pressure and 176 degrees Fahrenheit the formation volume factor is 1.0833, the difference being 0.1158. This is what we base our assumption that any weathering in the tanks would be comparable to this. They would both weather about the same amount.

Q Do you have any reason to believe that the weathering characteristics of these liquids might be different as time passes?

A No, because on the PCT analysis, although there would



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be a different temperature in the tanks, at much lower temperature I still feel it would be about the same because the basic assumption of the PCT analysis is as you reduce the pressure, you liberate gas; and so we have liberated some gas in the reservoir already, but when we take this crude as 60 PSI and bring it to zero, we would liberate approximately the same amount of gas as we have on the PCT analysis.

Q How often would you propose to take these PCT analyses?

A I would think that annually would be sufficient. There won't be that much change in crude, I don't think. In fact, I don't think it would change at all.

Q From those you would determine the factor which would be used in the meter, is that correct?

A Yes, for instance, I have estimated that there would be shrinkage from five to ten per cent, thereby we would multiply our meter factor by .9 or .95 to establish the correct meter factor.

Q Where or by the use of what facilities would these tests be run?

A We would catch this in a container that's built to catch these samples under pressure of the separator, off of each separator. What we propose to do is run a separate PCT analysis of each separator so that each meter would have a separate multiplier and we would catch them under pressure and



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send them to either our lab in Dallas or a commercial lab and have these analyses run, these liberations run on them.

Q Would the report which you receive be made available to the Commission?

A Certainly.

Q Will you refer to your next exhibit, which I believe is No. 5.

A The next exhibit shows our central battery site. These four satellites will dump into a gathering system and, as indicated there in the upper left-hand corner of this exhibit, from the T. D. Pope satellites. They would come in to one large heater treater, or two medium size, through a gun barrel into our tanks. We propose to install on this an ACT unit and if we have sufficient vapors off these stock tanks, to install a vapor recovery system on them. This is just a general outline layout of this central battery.

Q Will you refer to your next exhibit?

A Exhibit No. 6.

MR. ERREBO: I believe that is exactly labeled Exhibit 5 in Roman numerals.

A Yes.

MR. ERREBO: But it is actually Exhibit 6?

A Yes. It is the general outline of the LACT unit. You will notice that we have a meter prover that's quite new in the industry. It's a cylindrical piston prover type. We propose



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to prove our master meters on this since the accuracy of this prover is very good. We would prove our master meter on this prover; thereby it would be proved on almost the same gravity crude that we will prove the separator meters on.

Q Now your LACT facilities are not yet installed?

A No, and we do not propose to apply for an approval on them at the present time. We will apply for administrative approval on that.

Q Are you ready to state that your company will definitely proceed with this installation?

A Yes.

Q Do you know within what period of time?

A Immediately after we receive--in fact, we have already started some installation, not anticipating that we will get this exception but within the rules we could administratively get approval by metering both these zones, so we have already started construction and if this application is not approved we will apply administratively.

Q Do you have anything further with regard to this application?

A No, except it is our position on commingling, I would like to say Mobil's or maybe I should say my own opinion, that the fewer meters that you can put in an installation the better off you are from a maintenance standpoint, from an operating standpoint; and the whole idea to us on automation and comming-



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ling is to be allowed to produce a zone to a lower economic limit, because we can cut our maintenance expenses, we can cut our operating labor, and the more cuts we can make on these two items, the longer we can produce the lease and which we feel is the only payout we can justify on it anyway.

Q Is it your testimony then that the granting of this application would result in the recovery of a greater amount of the liquid reserves in place, as well as gas reserves?

A Yes, I really do think that.

Q And that if the application is not granted there might be some loss of those otherwise recoverable liquids, is that correct?

A If we cannot get administrative approval, either, we intent to, if we can, commingle them even if we have to meter both zones because there is profit in the thing.

Q Have you checked your records to determine whether all of the ownership in the minerals under the entire lease is common?

A It is. And we've checked it through our accounting department in Dallas.

Q To your knowledge has this shrinkage factor been applied in any other instance heretofore?

A Not that I know of, but like we say, we feel that to get the best factor possible on a meter that it must be proved under the same conditions that it operates under. Therefore,



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we advocate proving it with a master meter under separator pressure and applying the shrinkage factor to it.

Q Do you feel that procedure will result in the most accurate measurement of the fluids that are produced?

A I believe so. I couldn't say for sure but theoretically I would say yes.

Q What are your reservations on that?

A I would say you could put it into a positive volume atmospheric prover, but this would force us to put more investment in the lease and also require more manpower to prove the meters. There would be very little difference in applying the shrinkage factor to the meter in liberating the gas right at the meter at the time that you prove it.

MR. ERREBO: I believe that's all we have, Mr.

Examiner.

CROSS EXAMINER

BY MR. UTZ:

Q Mr. McGee, on your Exhibit 2, that shows your satellite stations, is that correct?

A That's right.

Q Where is your ACT located?

A The central ACT will be located in the south, the center of the Southwest Quarter, Section 26, Township--I'm sorry, the Southeast Quarter of Section 26, Township 14 South, Range 37 East.



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Q You request here an exception to the 45 degree rule, using the subtraction method, correct?

A That's right.

Q In other words, you want to determine the volume of the Wolfcamp by the subtraction method, after metering both the Devonian and the Wolfcamp and metering the Devonian separately?

A That's right.

Q Now this shrinkage deal, you are actually flowing into 25 pound back pressure?

A That's right.

Q From your Devonian side?

A That's right.

Q Then to the stock tanks, which would essentially take this fluid to zero?

A Yes, sir.

Q Now, you will have shrinkage at the stock tanks, isn't that correct?

A That's correct.

Q How will you determine what that shrinkage is?

A What we will do is have a cylinder at the separator and take a sample of the fluid in the cylinder at the separator pressure, which would be approximately 50 to 60 PSI and then we would send this cylinder to a lab and have it flashed to atmosphere and the lab will measure the shrinkage in the amount of fluid. We can obtain this in a percentage or in a factor.



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Q Which shrinkage factor you will incorporate your meter correction factor?

A That's correct.

Q How often will you run this test?

A We would propose annually.

Q So that you would use that test only on the Devonian side?

A That's correct, because we feel that from the PCT analysis, both sides shrink approximately the same.

Q If you do run the test on the Wolfcamp side also, you would have a more accurate shrinkage factor, would you not?

A Yes, sir, if we were metering the Wolfcamp side, but since we don't propose to meter the Wolfcamp side, we will have no meter factor to calculate on that side. Therefore, what we meter through the Devonian meter multiplied by the shrinkage factor, would give us the Devonian oil which subtracted from our pipeline runs would give us the Wolfcamp oil.

Q There could be an additional correction on your Wolfcamp volume, could there not, if the shrinkage factor was given in the Devonian?

A That's correct. No, there wouldn't be, because when you get the Wolfcamp to the stock tank you have its volume at zero; then when you meter the Devonian through the meter and multiply the meter factor by the shrinkage factor, you have the stock tank Devonian oil, so that the Devonian from the pipeline



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runs gives you stock tank Wolfcamp oil. The only difference would be in weathering; if there was a difference in weathering in the stock tanks, then you would need a correction on stock tank oil. But we feel since PCT analysis indicates that the shrinkage is almost identical, that it will be the same on weathering in the tanks. They will weather identically in the tanks.

Q Yes, but the point I want to make is that if you did run this test on the Wolfcamp side you wouldn't have to make that assumption that the weathering is the same on both crudes?

A That's correct.

Q On your Exhibit No. 2-B, actually the value of the commingled oil as against your separate sales is just one cent, is that correct?

A That's correct. Two cents, you mean the value of the crude?

Q Yes.

A It's two cents difference, the Wolfcamp being penalized for higher gravity.

Q Yes, there's two cents difference, but the average between the two would be 298.

A That's correct.

Q And the commingled would be 299?

A That's right.

MR. UTZ: Any other questions of the witness?

MR. MORRIS: Yes.



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BY MR. MORRIS:

Q On your Exhibit No. 3 you show a three-way, three-position valve going into your test lubes?

A Yes.

Q What is the third position of this valve? Would it allow crude to pass directly through from one zone to the other?

A No, the third position is closed.

Q Just closed?

A Right. It would be so pneumatically controlled that the switcher would either have Devonian or Wolfcamp or closed position on his control.

Q So you are not relying on the check valve to keep the flow of oil from one zone from getting into the lines of the other zone?

A No, sir.

Q Now, the Wolfcamp wells are shown on your Exhibit No. 4 to all be marginal, at least from the production history from the months of September and October, 1961. Do the months' production before September, 1961 bear these figures out as being reliable?

A Yes, sir, I would say, I don't know exactly, but at least the last five years.

Q And since October the Wolfcamp wells have remained



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marginal?

A Yes, sir. This is the latest information we have.

Q Your Well No. 11 in the Wolfcamp is, I believe, you show to be the highest. Does it range upwards from 83 on a daily basis?

A It possibly could, but I would say that, the condition of the reservoir, it would be more likely to come on down.

Q Are you planning any reworking operations on any of the Wolfcamp wells?

A No, sir. There is a secondary recovery unit proposed now. If this Wolfcamp goes into the secondary recovery unit, I suspect that the Wolfcamp will be pulled out of this unit altogether.

Q In that event I suppose we would, the Commission should make some condition in its order, as usual, that when the Wolfcamp becomes capable of producing top allowable in this situation, it would have to be pulled out of the commingling installation?

A Or metered.

Q Or metered?

A Yes, sir.

MR. UTZ: Or metered.

A I would like to say at this time we would also like that same stipulation on the Devonian side should it become marginal. We would like to put it on a quarterly test basis, but



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325.1182ALBUQUERQUE, N. M.
PHONE 243-6671

we would make administrative application for that at the time.

Q (By Mr. Morris) You would be eligible for administrative approval if all the wells there should become marginal?

A Yes.

Q Mr. McGee, you pointed out several instances where this installation and your operation of it will differ from the commingling manual adopted by the Commission. Can you think of any other particulars in which the installation or its operation will vary from that manual because, as you may be aware, we usually include a provision in our order approving commingling installation, that they will be operated in accordance with the manual?

A No, sir, I cannot think of any.

MR. UTZ: Isn't this weathering deal a little different than the manual specifies?

A It would be, except that we are allowed to prove with a master meter. Now, to prove downstream of the dump valve on our separator meter, we would flash our fluid from 60 to 25 PSI and when we flash it we are going to have gas break out. This would mean that gas would pass through the master meter, which would give us a reading that you could not correlate at all if you got gas in that meter. So that is one of the main reasons we want to go under pressure, so we don't have any gas in the fluid and we can get a better meter factor that way. We feel like there's no particular stipulation in the manual on applying



this shrinkage factor, but that we feel that we would get a better measurement with a master meter by applying it.

MR. MORRIS: I have no further questions. Thank you,

Mr. McGee.

MR. UTZ: Are there other questions of the witness?

REDIRECT EXAMINATION

BY MR. ERREBO:

Q Were Mobil's Exhibits 1 through 6 prepared by you or under your supervision?

A They were.

MR. ERREBO: We offer the said exhibits in evidence.

MR. UTZ: Exhibits 1 through 6, including 2-B, will be entered into the record.

MR. ERREBO: That's all we have.

MR. UTZ: The witness may be excused.

(Witness excused.)

MR. UTZ: Are there other statements in this case?

The case will be taken under advisement.

We will take a ten minute recess.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

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PHONE 243-6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill, and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 12th day of December, 1961.

Ada Dearnley
COURT REPORTER-NOTARY PUBLIC

My commission expires:
June 19, 1963

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2454, heard by me on Dec 11, 1961.

James L. Galt, Examiner
New Mexico Oil Conservation Commission



MAIN OFFICE OCC
MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS

LAW OFFICES OF

SIMMS BUILDING

J. R. MODRALL
AUGUSTUS T. SEYMOUR
JAMES E. SPERLING
JOSEPH E. ROEHL
GEORGE T. HARRIS
DANIEL A. SISK

1962 JAN 11 AM 8:19
BOX 486
ALBUQUERQUE, NEW MEXICO

TELEPHONE CHAPEL 3-4511

JOHN F. SIMMS (1885-1954)

LELAND S. SEGBERRY
BURNS H. ERREBO
ALLEN C. DEWEY
FRANK H. ALLEN
JAMES A. BORLAND
JAMES P. SAUNDERS

January 10, 1962

Mr. Richard S. Morris, Attorney
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: Case No. 2454, Application of
Socony Mobil Oil Company, Inc.,
for an exception to Rule 303 (a)
(T. D. Pope Lease)

Dear Dick:

Thanks for your letter of January 8, concerning the above
matter. So far as I know Mobil sent out the requests for
waivers soon after the hearing and I assume that there may
have been some delay because of the year end holiday season.

I appreciate your calling this to my attention and I am
sending a copy of your letter on to Mobil at Hobbs.

Best personal regards.

Very truly yours,

Burns H. Errebo

Burns H. Errebo ^{rs}

BHE/rs

cc: Mr. Jim McGee
Mobil Oil Company
P. O. Box 2406
Hobbs, New Mexico
(with enclosure)

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

January 8, 1962

Mr. Burns H. Errebo
Modrall, Seymour, Sperling, Roehl & Harris
Attorneys at Law
Simms Building
P. O. Box 466
Albuquerque, New Mexico

Re: Case No. 2454, Application of
Socony Mobil Oil Company, Inc.
for an exception to Rule 303 (a)

Dear Burns:

At the hearing of this matter on December 11, 1961, an amendment to the application was made changing the description of the T. D. Pope Lease. The change was conditioned upon your submitting to the Commission waivers of objection or waivers of notice from all offsetting operators.

The Commission has not received these waivers and can do nothing further toward the disposition of this case until they are received.

Very truly yours,

RICHARD S. MORRIS
Attorney

REM/esr

C
O
P
Y

Case 2454

Heard 12-11-61

Rec. 12-19-61

1. Grant Socomey Mobils request for an exception to Rule 2-B of AMOC Commin'gling Manual 145% Exception. Also grant exception to meter proving provisions of Rule 2-B with the following requirements -

(a) That the Seronius Satellite meters shall be proved ~~in accordance~~ with ~~with~~ a master meter under normal line back pressure.

(b) the PWT tests shall be run in Jan, Apr. July + Oct.

This shall consist of flashing the oil from 60 psi to 0 and holding at 0 pressure for the same length of time and under the same conditions as the oil is held in storage.

Grant R. M.

454

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

J. R. MODRALL
AUGUSTUS T. SEYMOUR
JAMES E. SPERLING
JOSEPH E. ROEHL
GEORGE T. HARRIS
DANIEL A. SISK

SIMMS BUILDING
P. O. BOX 486
ALBUQUERQUE, NEW MEXICO
TELEPHONE CHAPEL 3-4511

JOHN F. SIMMS (1885-1954)

LELAND S. SEDEERRY
BURNS H. ERREBO
ALLEN C. DEWEY
FRANK H. ALLEN
JAMES A. BORLAND

November 9, 1961

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

Re: Application of Socony Mobil Oil Company, Inc., for an
exception to statewide Rule 303(a) to permit commingling
of production from the Denton-Devonian and Denton-Wolf-
camp Pools, T. D. Pope Lease, Lea County, New Mexico.

Gentlemen:

Enclosed herewith, in triplicate, is the application of Socony
Mobil Oil Company, Inc., in the above matter, which we would ap-
preciate you setting for hearing at your early convenience.

Very truly yours,

MODRALL SEYMOUR SPERLING ROEHL & HARRIS

By Burns H. Errebo
Burns H. Errebo

BHE:get

Encls.

cc: Mr. C. H. Samples
Mobil Oil Company
Box 2406
Hobbs, New Mexico

Mr. Jack Vickrey
Box 633
Mobil Bldg.
Midland, Texas

*Dechets
Approved
12-1-61*

Case 7450

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 STATEWIDE RULE 303(a)
TO PERMIT COMMINGLING OF PRODUCTION
FROM THE DENTON-DEVONIAN AND DENTON-
WOLFCAMP POOLS ON ITS T. D. POPE LEASE,
LEA COUNTY, NEW MEXICO.

A P P L I C A T I O N

Applicant states:

1. That applicant is the owner and operator of its T. D. Pope Lease, which includes the South Half ($S\frac{1}{2}$) of Section 26 and the ~~West Half ($W\frac{1}{2}$)~~ ^{E/2} of Section ³⁵36, Township 14 South, Range 37 East, Lea County, New Mexico.

2. That the aforesaid lease and lands are now productive of oil and gas from the Denton-Devonian and Denton-Wolfcamp Pools through wells presently completed thereon and that one or more of said formations may be productive in the future from other wells which may be completed on said lease and lands.

3. That in order to eliminate the necessity for multiple surface installations for the handling, storage and measurement of production, applicant proposes to commingle production from the Denton-Devonian and Denton-Wolfcamp Pools.

4. That allocation of production shall be made according to the subtraction method as prescribed by the New Mexico Oil Conservation Commission Manual for the Installation and Operation of Commingling Facilities, dated September 13, 1961.

5. That Rule 303(a) of the Rules and Regulations of the Commission prohibits the commingling of production from separate pools prior to marketing.

6. That hearing on this matter is necessary because the aforesaid Manual prohibits commingling of fluids by the subtraction method if one of the fluids has a gravity in excess of 45° API, which situation exists in this instance.

7. That the granting of this application will not cause waste nor impair correlative rights.

WHEREFORE, this applicant prays that this matter be set for hearing, that notice thereof be given as required by law, and that upon the evidence adduced at such hearing this Commission issue an Order permitting applicant to commingle production from said lease as herein set forth, and granting 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. Erreb
Burns H. Erreb
Attorneys for Applicant
1200 Simms Building
Post Office Box 466
Albuquerque, New Mexico

EXHIBIT IIB

Commingled Fluid Production
Socony Mobil Oil Company, Inc.
T. D. Pope Lease
S/2 Section 26 & E/2 Section 35, T14S, R37E
Lea County, New Mexico

<u>Pool</u>	<u>API Gravity</u>	<u>Monthly Production</u>	<u>Unit Value</u>	<u>Total Value</u>
Pope Denton Devonian	45.6	79,835	2.99	238,706.65
Pope Denton Wolfcamp	46.3	<u>10,441</u>	2.97	<u>31,009.77</u>
			(2.98) Ave.	
	LEASE TOTAL	90,276		269,716.42
Pope Commingled	45.6	90,276	2.99	269,925.24

JMMcGee/nrh
8-21-61

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 28
CASE NO. 2454

AVERAGE DAILY PRODUCTION TABULATION
 SOCONY MOBIL OIL COMPANY, INC.
 T. D. POPE LEASE
 LEA COUNTY, NEW MEXICO

POOL	WELL NO.	AVERAGE DAILY PROD. BBLs. SEPT. & OCT., 1961.
Denton - <i>W. 1/2</i> Top Allowable 193 BOPD	1	48
	3	188
	4	188
	5	188
	6	183
	7	161
	9	188
	10	140
	12	188
	13	188
	14	66
	16	172
	17	188
	20	174
	21	174
	23	
		2624
Total		
Denton Wolfcamp Top Allowable 129 BOPD	2	10
	8	20
	11	33
	15	15
	18	33
	19	20
	22	28
	24	22
	25	21
	26	7
	27	18
	28	25
	29	11
	30	21
	31	10
		349
Total		
Lease Total		2973

BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 4
 CASE NO. 2454

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Sheet No. 35

OPERATOR'S MONTHLY REPORT

The following is a correct report of all oil and gas producing wells of Socony Mobil Oil Company, Inc. (6)
(Company or Operator)

Lease T. D. Pope Pool Danton County Lea for month of SEP, 1960

State Land; Lease No. Assignment No. Government Lease No. Pat. Land Yes

FOLLOWING TO BE REPORTED ON UNIT BASIS

LOCATION					OIL AND WATER (BBL.S.)				(1) Total Gas Prod. MCF	Daily Well Production	No. Days Produced	Show Whether Flowing Pumping Gas Lift, or Dead
Well No.	Unit Letter	Sec.	Twp.	Rge.	Net Oil Allowable	(1) Net Oil Prod.	(3) Gravity	(2) Water				
1	O	35	14S	37E	2,510	2,510		GL	1,411		20	GL
3	P	35	14S	37E	2,510	2,510		None	1,370		"	GL
4	M	26	14S	37E	2,510	2,774		30	1,312		"	GL
5	G	35	14S	37E	2,510	2,774		None	1,310		"	F GL
6	J	26	14S	37E	2,510	2,774		None	1,337		"	GL
7	J	35	14S	37E	2,510	2,774		150	1,315		"	GL
9	N	26	14S	37E	2,510	2,774		None	1,300		"	GL
10	P	26	14S	37E	2,510	2,507		150	1,316		"	GL
12	K	26	14S	37E	2,510	2,774		None	1,353		"	GL
TOTALS						CONTINUED						

(1) Distribution to units based on: Test..... Meter..... Estimate.....

(2) Method of determining water production: Shake out..... Estimate..... Draw Off.....

(3) Report distillate, condensate or other liquid hydrocarbons (other than oil) in this column, starting with:

(FOLLOWING TO BE REPORTED ON LEASE BASIS)

No. of Wells	Total on Hand Beginning of Month (Barrels)	Scheduled Allowable for Month	Actual Amount of Oil Produced	Over- Produced	Under- Produced	DISPOSITION OF OIL			Total on Hand End of Month (Barrels)	Total Capacity of Lease Tanks
						Barrels to Pipe Line	Bbls. to Truck or Tank Car	Transporter		

GAS

USED FOR GAS LIFT

MCF Used on Lease MCF Used on Lease
MCF Sold to MCF On Lease
MCF Blown to Air, (By Difference) MCF On Lease

Remarks:

I hereby certify that the information given is true and complete to the best of my knowledge.

Signed:

Representing: Socony Mobil Oil Company, Inc. Position Authorized Agent
(Company or Operator)

Address Box 900, Dallas 21, Texas Date:

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-115)
(Revised 7/1/57)

Sheet No. 36

OPERATOR'S MONTHLY REPORT

The following is a correct report of all oil and gas producing wells of Socony Mobil Oil Company, Inc. (6)
(Company or Operator) SEP 1960
Lease T. D. Pope Pool Denton County Lea for month of _____, 19____

State Land; Lease No. _____ Assignment No. _____ Government Lease No. _____ Pat. Land. Yes

FOLLOWING TO BE REPORTED ON UNIT BASIS

LOCATION					OIL AND WATER (BBLs.)				(1) Total Gas Prod. MCF	Daily Well Production	No. Days Produced	Show Whether Flowing Pumping Gas Lift, or Dead
Well No.	Unit Letter	Sec.	Twp.	Rge.	Net Oil Allowable	(1) Net Oil Prod.	(3) Gravity	(2) Water				
13	B	35	14S	37E	5,010	5,774		1,995	5,774		31	GL
14	O	26	14S	37E	5,010	5,774		240	5,774		"	GL
16	L	26	14S	37E	5,010	5,774		14,000	5,774		"	GL
17	I	26	14S	37E	5,010	5,774		900	5,774		"	GL
20	I	34	14S	37E	5,010	5,774		150	5,774		"	GL
21	A	34	14S	37E	5,010	5,774		1,000	5,774		"	GL
23	H	34	14S	37E	5,010	5,774		3,780	5,774		"	GL
TOTALS					50,720	52,773		19,570	52,773			

(1) Distribution to units based on: Test X Meter _____ Estimate _____

(2) Method of determining water production: Shake out X Estimate _____ Draw Off _____

(3) Report distillate, condensate or other liquid hydrocarbons (other than oil) in this column, starting with:

(FOLLOWING TO BE REPORTED ON LEASE BASIS)

No. of Wells	Total on Hand Beginning of Month (Barrels)	Scheduled Allowable for Month	Actual Amount of Oil Produced	Over- Produced	Under- Produced	DISPOSITION OF OIL			Total on Hand End of Month (Barrels)	Total Capacity of Lease Tanks
						Barrels to Pipe Line	Bbls. to Truck or Tank Car	Transporter		
16	5,115	50,720	52,773		147	52,624		Magnolia Pipe Line Company	5,301	19,500

GAS

USED FOR GAS LIFT

MCF Used on Lease _____ MCF Used on Lease _____
MCF Sold to Atlantic Refg. Co. _____ MCF On _____ Lease
MCF Blown to Air, (By Difference) _____ MCF On _____ Lease

Remarks: _____

I hereby certify that the information given is true and complete to the best of my knowledge.

Signed: M. S. PRIDDY

Representing: Socony Mobil Oil Company, Inc. Position Authorized Agent
(Company or Operator)

Address Box 900, Dallas 21, Texas

Date: OCT 18 1960

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-115)
(Revised 7/1/52)

Sheet No. 39

OPERATOR'S MONTHLY REPORT

The following is a correct report of all oil and gas producing wells of Socony Mobil Oil Company, Inc. (6)
(Company or Operator)
Lease T. D. Pogo Pool Danton Wolfcamp County Lea for month of SEP, 191960
State Land; Lease No. Assignment No. Government Lease No. Pat. Land. Yes

FOLLOWING TO BE REPORTED ON UNIT BASIS												
LOCATION					OIL AND WATER (BBL.)				(1) Total Gas Prod. MCF	Daily Well Nominat- ion	No. Days Produced	Show Whether Flowing Pumping Gas Lift, or Dead
Well No.	Unit Letter	Sec.	Twp.	Rge.	Net Oil Allowable	(1) Net Oil Prod.	(3) Gravity	(5) Water				
2	O	35	14S	37E	100	100		1000	100		30	GL
8	M	26	14S	37E	600	613		1000	600		"	GL
11	P	35	14S	37E	3,750	3,455		1000	3,016		"	GL
15	J	26	14S	37E	610	611		1000	600		"29	GL
18	N	26	14S	37E	1,320	1,320		1000	1,228		"30	GL
19	K	26	14S	37E	720	613		1000	613		"	GL
22	B	35	14S	37E	750	613		1000	611		"	GL
24	P	26	14S	37E	610	611		1000	605		"	GL
25	O	26	14S	37E	610	613		1000	606		"	GL
TOTALS						CONTINUED						

- (1) Distribution to units based on: Test..... Meter..... Estimate.....
(2) Method of determining water production: Shake out..... Estimate..... Draw Off.....
(3) Report distillate, condensate or other liquid hydrocarbons (other than oil) in this column, starting with:

FOLLOWING TO BE REPORTED ON LEASE BASIS										
No. of Wells	Total on Hand Beginning of Month (Barrels)	Scheduled Allowable for Month	Actual Amount of Oil Produced	Over- Produced	Under- Produced	DISPOSITION OF OIL			Total on Hand End of Month (Barrels)	Total Capacity of Lease Tanks
						Barrels to Pipe Line	Bbls. to Truck or Tank Car	Transporter		

GAS		USED FOR GAS LIFT	
.....MCF Used on LeaseMCF Used on LeaseMCF On.....LeaseMCF On.....Lease
.....MCF Sold to.....MCF On.....LeaseMCF On.....Lease	
.....MCF Blown to Air, (By Difference)			

Remarks:

I hereby certify that the information given is true and complete to the best of my knowledge.

Signed:

Representing: Socony Mobil Oil Company, Inc. Position Authorized Agent
(Company or Operator)

Address: Box 900, Dallas 21, Texas Date:

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Sheet No. 43

OPERATOR'S MONTHLY REPORT

The following is a correct report of all oil and gas producing wells of Socony Mobil Oil Company, Inc. (6)
 (Company or Operator)
 Lease To D. Pope Pool Denton No. 1 County Lea for month of SEP, 191960
 State Land; Lease No. _____ Assignment No. _____ Government Lease No. _____ Pat. Land. Yes

FOLLOWING TO BE REPORTED ON UNIT BASIS

LOCATION					OIL AND WATER (BBLS.)				(1) Total Gas Prod. MCF	Daily Well Production	No. Days Produced	Show Whether Flowing Pumping Gas Lift, or Dead
Well No.	Unit Letter	Sec.	Twp.	Rge.	Net Oil Allowable	(1) Net Oil Prod.	(3) Gravity	(2) Water				
26	J	35	14S	37E	300	282		100	100		30	GL
27	G	35	14S	37E	200	180		100	370		"	GL
28	I	26	14S	37E	400	380		100	550		"	GL
29	A	35	14S	37E	700	680		100	800		"	GL
30	H	35	14S	37E	600	580		100	500		"	GL
31	L	26	14S	37E	600	580		100	550		"	GL
TOTALS					2,200	2,102		1,000	2,370			

- (1) Distribution to units based on: Test _____ Meter _____ Estimate _____
 (2) Method of determining water production: Shake out _____ Estimate _____ Draw Off _____
 (3) Report distillate, condensate or other liquid hydrocarbons (other than oil) in this column, starting with: _____

(FOLLOWING TO BE REPORTED ON LEASE BASIS)

No. of Wells	Total on Hand Beginning of Month (Barrels)	Scheduled Allowable for Month	Actual Amount of Oil Produced	Over- Produced	Under- Produced	DISPOSITION OF OIL			Total on Hand End of Month (Barrels)	Total Capacity of Lease Tanks
						Barrels to Pipe Line	Bbls. to Truck or Tank Car	Transporter		
15	1,000	11,000	12,200		1,200	11,000		Magnolia Pipe Line Company	1,200	12,000

GAS

USED FOR GAS LIFT

MCF Used on Lease _____ MCF Used on Lease _____
 MCF Sold to Atlantic Refg. Co. _____ MCF On _____ Lease
 MCF Blown to Air, (By Difference) _____ MCF On _____ Lease

Remarks: _____

I hereby certify that the information given is true and complete to the
 best of my knowledge.

Signed: _____

M. S. BRIDDY

Representing: Socony Mobil Oil Company, Inc. Position Authorized Agent
 (Company or Operator)

Address Box 900, Dallas 21, Texas

Date: _____

OCT 18 1960

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Sheet No. 36

OPERATOR'S MONTHLY REPORT

The following is a correct report of all oil and gas producing wells of Socony Mobil Oil Company, Inc. (6)
(Company or Operator) 000 1960
Lease T. D. Pope Pool Denton County Lea for month of , 19
State Land; Lease No. Assignment No. Government Lease No. Pat. Land. Yes

FOLLOWING TO BE REPORTED ON UNIT BASIS

LOCATION					OIL AND WATER (BBLS.)				(1) Total Gas Prod. MCF	Daily Well Nomina- tion	No. Days Produced	Show Whether Flowing Pumping Gas Lift, or Dead
Well No.	Unit Letter	Sec.	Twp.	Rge.	Net Oil Allowable	(1) Net Oil Prod.	(3) Gravity	(2) Water				
1	O	35	14S	37E	2,108	1,698		870	1,388		30	GL
3	P	35	14S	37E	5,828	5,942		None	4,906		"	GL
4	M	26	14S	37E	5,828	5,942		60	5,001		"	GL
5	G	35	14S	37E	5,828	5,942		None	5,128		"	GL
6	J	26	14S	37E	5,828	5,942		None	4,956		"	GL
7	J	35	14S	37E	5,828	5,942		390	4,863		"	GL
9	N	26	14S	37E	5,828	5,942		None	4,708		"	GL
10	P	26	14S	37E	5,611	5,093		150	4,919		"	GL
12	K	26	14S	37E	5,828	5,941		None	4,972		"	GL
TOTALS						CONTINUED						

(1) Distribution to units based on: Test Meter Estimate

(2) Method of determining water production: Shake out Estimate Draw Off

(3) Report distillate, condensate or other liquid hydrocarbons (other than oil) in this column, starting with:

(FOLLOWING TO BE REPORTED ON LEASE BASIS)

No. of Wells	Total on Hand Beginning of Month (Barrels)	Scheduled Allowable for Month	Actual Amount of Oil Produced	Over- Produced	Under- Produced	DISPOSITION OF OIL			Total on Hand End of Month (Barrels)	Total Capacity of Lease Tanks
						Barrels to Pipe Line	Bbls. to Truck or Tank Car	Transporter		

GAS

USED FOR GAS LIFT

MCF Used on Lease MCF Used on Lease
MCF Sold to MCF On Lease
MCF Blown to Air, (By Difference) MCF On Lease

Remarks:

I hereby certify that the information given is true and complete to the best of my knowledge.

Signed:

Representing: (Company or Operator) Position:

Address: Date:

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Sheet No. 37

OPERATOR'S MONTHLY REPORT

The following is a correct report of all oil and gas producing wells of Socony Mobil Oil Company, Inc. (6)
(Company or Operator)

Lease T. D. Pope Pool Denton County Dallas for month of Oct 1960

State Land Lease No. _____ Assignment No. _____ Government Lease No. _____ Pat. Land Yes

FOLLOWING TO BE REPORTED ON UNIT BASIS

LOCATION					OIL AND WATER (BBLS.)				(1) Total Gas Prod. MCF	Daily Well Production	No. Days Produced	Show Whether Flowing Pumping Gas Lift, or Dead
Well No.	Unit Letter	Sec.	Twp.	Rge.	Net Oil Allowable	(1) Net Oil Prod.	(3) Gravels	(2) Water				
13	B	35	14S	37E	5,000	5,000		2,100	2,100		30	GL
14	O	26	14S	37E	5,000	5,000		100	1,000		"	GL
16	L	26	14S	37E	2,000	2,000		10,000	2,000		"	GL
17	I	26	14S	37E	5,000	5,000		1,000	1,000		"	GL
20	I	34	14S	37E	5,000	5,000		100	1,000		"	GL
21	A	34	14S	37E	5,000	5,000		100	1,000		"	GL
23	H	34	14S	37E	5,000	5,000		250	1,000		"	GL
TOTALS					30,000	30,000		10,000	10,000			

(1) Distribution to units based on: Test X Meter _____ Estimate _____

(2) Method of determining water production: Shake out X Estimate _____ Draw Off _____

(3) Report distillate, condensate or other liquid hydrocarbons (other than oil) in this column, starting with:

(FOLLOWING TO BE REPORTED ON LEASE BASIS)

No. of Wells	Total on Hand Beginning of Month (Barrels)	Scheduled Allowable for Month	Actual Amount of Oil Produced	Over- Produced	Under- Produced	DISPOSITION OF OIL			Total on Hand End of Month (Barrels)	Total Capacity of Lease Tanks
						Barrels to Pipe Line	Bbls. to Truck or Tank Car	Transporter		
16	5,000	5,000	5,000		1,000	5,000		Magnolia Pipe Line Company	5,000	19,500

GAS

USED FOR GAS LIFT

MCF Used on Lease _____ MCF Used on Lease _____

MCF Sold to Atlantic Refg. Co. _____ MCF On _____ Lease

MCF Blown to Air, (By Difference) _____ MCF On _____ Lease

Remarks: _____

I hereby certify that the information given is true and complete to the best of my knowledge.

Signed: _____

Representing: Socony Mobil Oil Company, Inc.
(Company or Operator)

Position: Authorized Agent

Address: Box 900, Dallas 21, Texas

Date: NOV 18 1960

OPERATOR'S MONTHLY REPORT

(6)

The following is a correct report of all oil and gas producing wells of Secord Mobil Oil Company, Inc.
(Company or Operator) for month of OCT, 1960

Lease T. D. Pope Pool Donner Wolfcamp County Lea Government Lease No. Tax Land Yes

LOCATION					OIL AND WATER (BBLS.)				(1) Total Gas Prod. MCF	Daily Well Nomina- tion	No Days Produced	Show Whether Flowing Pumping Gas Lift, or Dead
Well No.	Unit Letter	Sec.	Twp.	Rge.	Net Oil Allowable	(1) Net Oil Prod.	(3) Gravity	(2) Water				
2	O	35	14S	37E	212	225		1170	363		23	GL
8	M	26	14S	37E	711	712		210	104		"	GL
11	P	35	14S	37E	3,152	3,172		210	707		"	GL
15	J	26	14S	37E	156	177		2014	194		"	GL
18	N	26	14S	37E	1,425	1,512		None	824		"	GL
19	K	26	14S	37E	713	713		None	101		"	GL
22	B	35	14S	37E	930	934		None	314		"	GL
24	P	26	14S	37E	137	150		None	609		"	GL
25	O	26	14S	37E	682	712		None	314		"	GL
TOTALS						CONTINUED						

(1) Distribution to units based on: Test Meter Estimate
(2) Method of determining water production: Shake out Estimate Draw OH

(3) Report distillate, condensate or other liquid hydrocarbons (other than oil) in this column, starting with:

(FOLLOWING TO BE REPORTED ON LEASE BASIS)						DISPOSITION OF OIL			Total on Hand End of Month (Barrels)	Total Capacity of Lease Tanks
No. of Wells	Total on Hand Beginning of Month (Barrels)	Scheduled Allowable for Month	Actual Amount of Oil Produced	Over- Produced	Under- Produced	Barrels to Pipe Line	Bbls. to Truck or Tank Car	Transporter		

USED FOR GAS LIFT
GAS
MCF Used on Lease Lease
MCF Sold to Lease
MCF Blown to Air, (By Difference)

Remarks:
I hereby certify that the information given is true and complete to the best of my knowledge.
Representing: (Company or Operator) Signed:
Address: Position:
Date:

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Sheet No. 43

OPERATOR'S MONTHLY REPORT

The following is a correct report of all oil and gas producing wells of Socony Mobil Oil Company, Inc. (6)
(Company or Operator)

Lease T. D. Pope Pool Denton Wolfcamp County Lea for month of Oct 1960

State Land Lease No. _____ Assignment No. _____ Government Lease No. _____ Pat. Land Yes

FOLLOWING TO BE REPORTED ON UNIT BASIS

LOCATION					OIL AND WATER (BHLS.)				(1) Total Gas Prod. MCF	Daily Well Nomina- tion	No. Days Produced	Show Whether Flowing Pumping Gas Lift, or Dead
Well No.	Unit Letter	Sec.	Twp.	Rge.	Net Oil Allowable	(1) Net Oil Prod.	(3) Gravity	(2) Water				
26	J	35	14S	37E	111	723		1110	111		30	OL
27	G	35	14S	37E	119	715		1110	119		"	OL
28	I	26	14S	37E	897	155		1110	897		"	OL
29	A	35	14S	37E	113	300		1110	113		"	OL
30	H	35	14S	37E	713	715		1110	713		"	OL
31	L	26	14S	37E	620	119		1110	620		"	OL
TOTALS					12,710	11,123		3110	6,576			

- (1) Distribution to units based on: Test _____ Meter _____ Estimate _____
 (2) Method of determining water production: Shake out _____ Estimate _____ Draw Off _____
 (3) Report distillate, condensate or other liquid hydrocarbons (other than oil) in this column, starting with: _____

(FOLLOWING TO BE REPORTED ON LEASE BASIS)

No. of Wells	Total on Hand Beginning of Month (Barrels)	Scheduled Allowable for Month	Actual Amount of Oil Produced	Over- Produced	Under- Produced	DISPOSITION OF OIL			Total on Hand End of Month (Barrels)	Total Capacity of Lease Tanks
						Barrels to Pipe Line	Bbls. to Truck or Tank Car	Transporter		
15	1,218	12,710	11,123		717	12,148		Magnolia Pipe Line Company	3,673	12,000

GAS

USED FOR GAS LIFT

MCF Used on Lease _____ MCF Used on Lease _____
 MCF Sold to Atlantic Refg. Co. _____ MCF On _____ Lease
 MCF Blown to Air, (By Difference) _____ MCF On _____ Lease

Remarks _____

I hereby certify that the information given is true and complete to the best of my knowledge.

Signed: _____

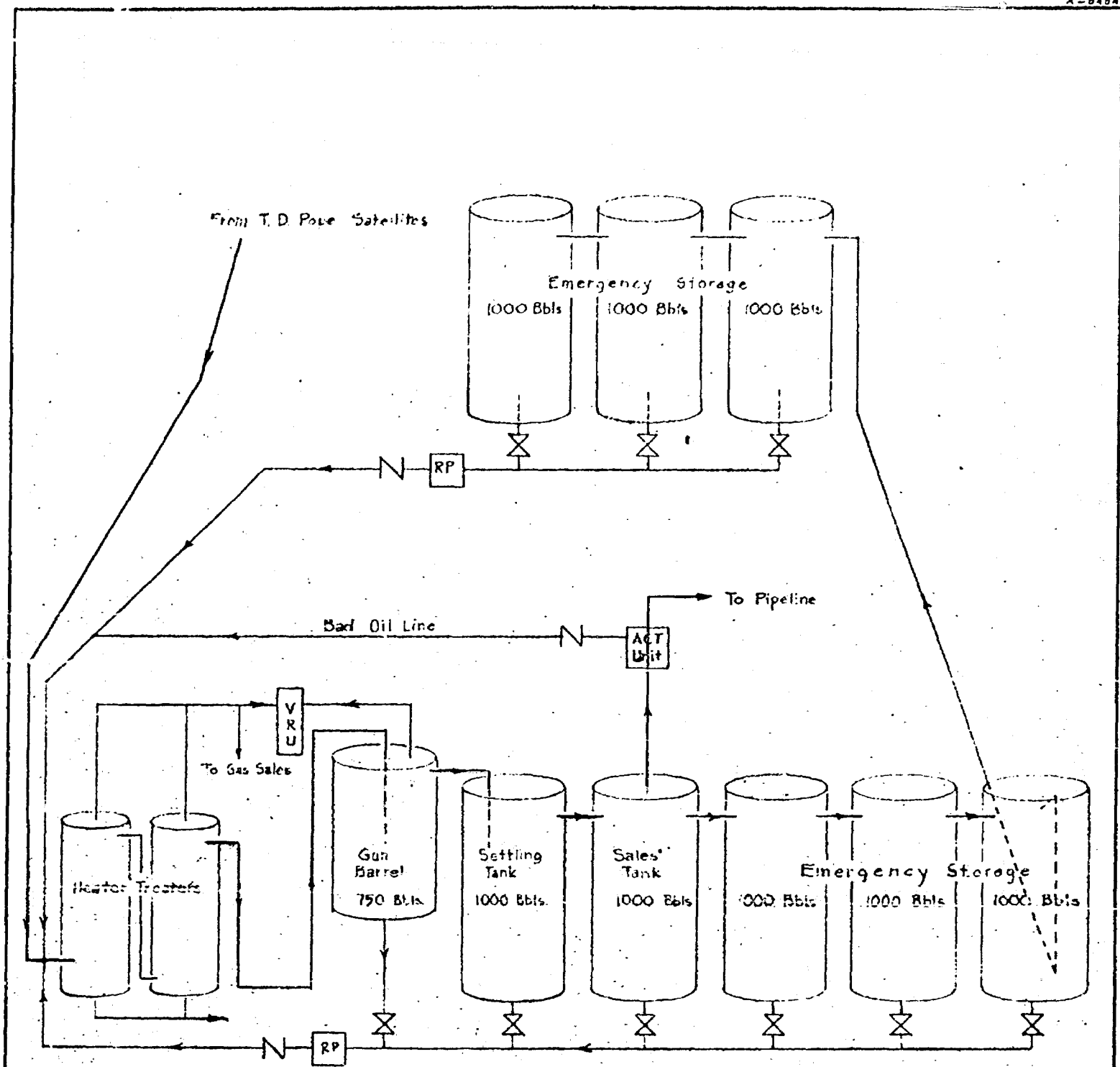
M. S. Pineda

Representing: Socony Mobil Oil Company, Inc.
(Company or Operator)

Position: Authorized Agent

Address: Box 900, Dallas 21, Texas

Date: NOV 18 1960



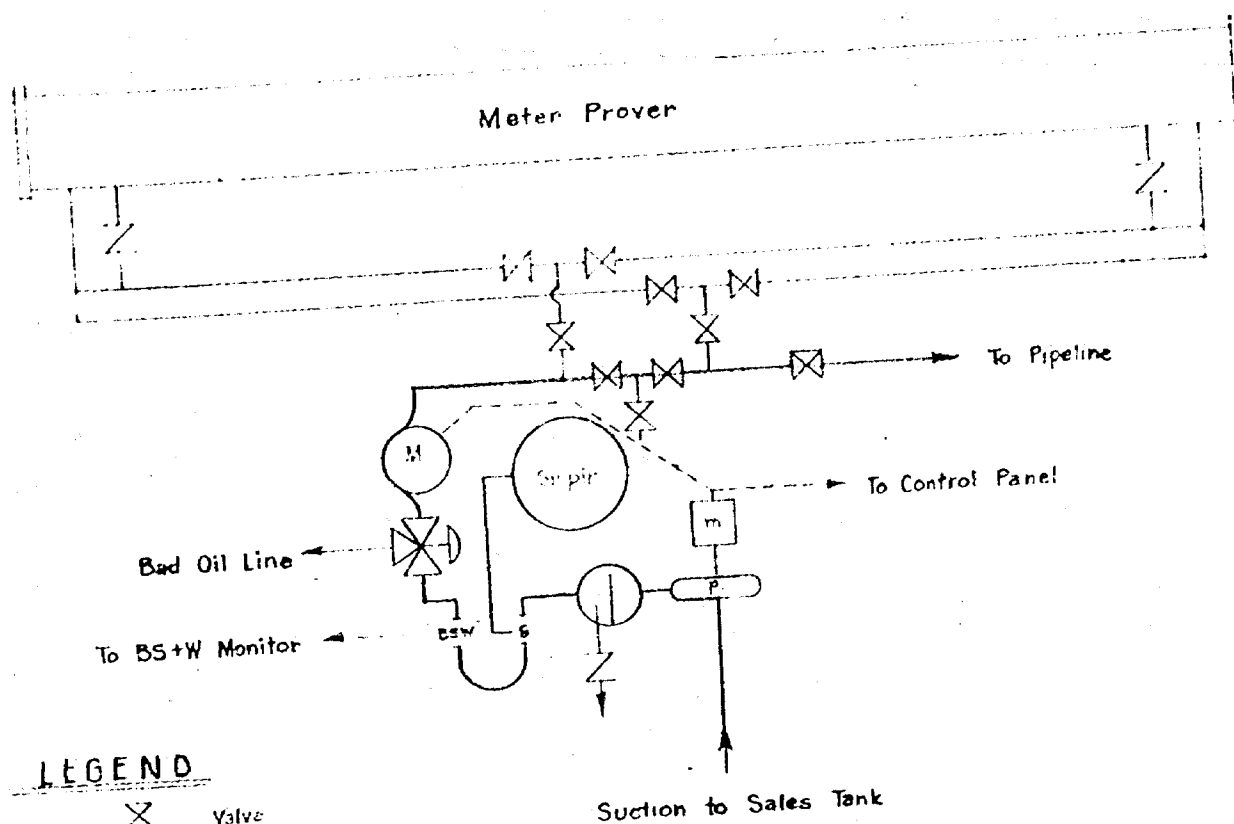
LEGEND

- ⊗ - Valve
- ⌞ - Check
- RP - Recirculating Pump
- VRU - Vapor Recovery Unit

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
 EXHIBIT NO. 5
 CASE NO. 2454

Exhibit IV

NO.	DATE	BY	ALTERATION
Proposed Central Treating Facilities T.D. Pope Lease DENTON FIELD			
Lea County		New Mexico	
SOCONY MOBIL OIL COMPANY, INC.			
DRAWN FDB	SCALE NONE	DWG. NO.	
CHECKED JMM	DATE 8-16-61	A-123-DIP	



LEGEND

- Valve
- Check
- 3-way, 3 position Motor Valve
- Back Pressure Valve
- Meter
- BS+W Probe
- Sample Probe
- Combination Strainer + Air Eliminator
- Pump
- Motor
- Sampler

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2426
CASE NO. 8

Exhibit V

NO.	DATE	BY	ALTERATION
			Automatic Custody Transfer Unit
			I. D. Pope Lease
			Central Treating Facility, Denton, Field
			Lea County, New Mexico
SOCONY MOBIL OIL COMPANY, INC.			
DRAWN FDB		DWG. NO.	
CHECKED JMM		A-122-D1P	
SCALE NONE			
DATE 8-16-61			