

1780
CASE 1780: Application of HUSKY OIL
for an exception to overproduction
provisions of R-520, as amended by
R-967 for one well in Jalmat Gas Pool

Case No.

1780

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE 1760

TRANSCRIPT OF HEARING

SEPTEMBER 30, 1959

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
SEPTEMBER 30, 1959

IN THE MATTER OF:

CASE 1780 Application of Husky Oil Company for an excep- :
tion to the overproduction shut-in provisions :
of Order R-520, as amended by Order R-967, for :
one well in the Jalmat Gas Pool. Applicant, in :
the above-styled cause, seeks an order allowing :
its Montecito Woolworth Well No. 2, Unit M, Sec- :
tion 33, Township 28 South, Range 37 East, Jal- :
mat Gas Pool, Lea County, New Mexico, to com- :
pensate for its overproduced status without be- :
ing completely shut-in in order to prevent pos- :
sible waste. :

BEFORE:

Daniel S. Nutter, Examiner.

TRANSCRIPT OF PROCEEDINGS

MR. NUTTER: We will continue with Case 1780.

MR. PAYNE: Case 1780. Application of Husky Oil
Company for an exception to the overproduction shut-in provisions
of Order R-520, as amended by Order R-967, for one well in the
Jalmat Gas Pool.

MR. KELLAHIN: Jason Kellahin of Kellahin & Fox,
representing the applicant. We have two witnesses to be sworn.

(Witnesses sworn)

WILLIAM H. ARRINGTON, JR.,

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

DIRECT EXAMINATION

BY MR. KELLAHINE:

Q Will you state your name, please?

A My name is William H. Arrington, Jr. A-r-r-i-n-g-t-o-n.

Q Mr. Arrington, by whom are you employed and in what position?

A I am the district engineer for Husky Oil Company in Midland, Texas.

Q Have you ever testified before this Commission before?

A No, I haven't.

Q Will you state briefly your educational qualifications and experience?

A I was graduated from Texas A & M College with a Bachelor of Science degree in petroleum engineering in 1950. Since that time, I've been employed by the Texas Railroad Commission, Oil & Refining Company, and for the past five years as district engineer for Husky Oil Company in Midland.

Q Are you in charge of the district in which the subject well, which is the subject of this hearing, is located?

A Yes, I am.

MR. KELLAHINE: Are the witness' qualifications acceptable?

MR. NUTTE: Yes, sir.

Q Mr. Arrington, are you familiar with the application in Case 17332?

A Yes, sir, I am.

Q Would you state briefly what is proposed in this case?

A This application is of Husky Oil Company for exception to overproduction provision of Order R-520, as amended by R-967 for one well in the Jalmat Gas Pool, its Montecito Woolworth No. 2. This well was originally completed as a Langley Mattix oil producer back in about 1938. In January of 1945, the well was plugged back to the so-called Yates or Jalmat gas zone, but was, until 1957, actually classified as a Langley Mattix Gas Well. At that time we began investigation of water flood possibility of Langley Mattix zone there, and we found that this particular well was actually placed in the wrong pool by the Commission. And in 1957 the well was reclassified as a non-standard gas proration unit in the Jalmat. It is located 900 feet from the South and West line, Section 33, Township 24 South, Range 37 East.

Q Did the well produce as a prorated well for any period of time?

A Yes, sir. I have prepared what I would consider our first Exhibit, a plot of the gas production and monthly allowable, by months, for the period of time only which it was classified as

Jalmar. This well produced as a prorated gas well until June of 1958. At that time due to a six months' period of low production, it was reclassified marginal and produced as a marginal well until July 1st, 1959. I would just like to, at this time, state actually how much gas this particular well has produced. It is very phenomenal, to say the least. During the period of July, which it was classified as marginal, it produced a hundred and thirty-nine thousand eight hundred and seventy-seven MCF of gas, or some 23 times its August allowable. Of this gas produced, it produced 93 percent of this. Well, actually, I should digress a little bit and say that actually overage. During the period was 134,131 MCF. During the last six months it was a marginal well it produced 93 percent of this overage. The gas is being purchased by El Paso Natural Gas Company, and we expect an allowable of some 3,000 MCF per month in the future. Or, based on this figure, we would be looking at some 23, 22 times overproduction in months, a little over four years.

Q Was there any change in the line into which this well was being produced during the period involved?

A Yes, sir, it was. Midway in the period of which time it was marginal, it was removed from a high pressure line and placed in an intermediate line. I might say, had this well been placed in the intermediate line, as provided in our contract with El Paso back in 1957, when an average monthly -- average six months' gas production was somewhat less than the previous six

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months' time prior to placing it in the intermediate line, we probably wouldn't be in the condition that we are in now, as our well would continue to produce as a prorated gas well.

Q Would you reveal briefly the production during the time of the producing into the high pressure line as compared into the intermediate line?

A During the period of time it was producing into the high pressure line, our peak production was some 10,000, 11,000 MCF per month. In December of 1957, our production, due to high pressure in the line, was only 71 MCF, that particular month. As the demand for gas receded, as pressures went down the line, the well continued in an upward swing of production. This can be seen in the early part of 1958.

Q Upon changing into the intermediate pressure line, there was a substantial increase in the production from the well, was there not?

A Yes, sir, there certainly was. During that period of time we had some months there that produced somewhere in approximately 30,000, 36,000 MCF per month. The well with 3100 MCF as a monthly allocation, that is a sizeable overage per month.

Q Does this well make any fluids?

A Yes, sir, it does. It produces approximately 2 to 3 barrels of water per week. The well is periodically blown down through the tubing, and we do recover some 2 to 3 barrels of water per week.

Q Have you prepared an exhibit which will show the effect of water accumulation on the productivity of the well?

A Yes, sir. I would like to refer to our second exhibit, which is shut-in wellhead pressure in pounds per square inch absolute versus time in months, approximately on the same square as we have plotted our production. It can be seen there that at the period of time when this well, back in '57, along in March and April, was producing around 10,000 MCF per month, the pressures were some 610 pounds. As the production declined to December and January -- December of '57 and January of '58 -- our production -- our pressure at that time had declined to some 613 pounds, or approximately 70 pounds decrease from the period of time which the well was producing; work curtailed due to high pressures. As the pressures were relieved on the high pressured gas line, our production increased. Consequently, our shut-in well had pressures increased. It might be well to state that the point that is not connected there shows a definite decrease in our pressures with a decrease in production there in August of 1959.

Q Did that follow the change to the intermediate pressure line?

A It did.

Q Now, does that indicate to you that the accumulation of fluids in the well bore has had any adverse affect on this well?

A Yes, sir. With fluids in the well bore, there is

evidence that it has curtailed our production, and with lower pressure we could expect possibly the well logging up with water and not even producing at all.

Q Now, in the event this well were completely shut-in for the period of time required to make up for the overproduction which has been accumulated, would there be any damage, in your opinion, to the well?

A Yes, it would.

Q Would it possibly result in premature abandonment of the well?

A It very easily could. The period of time of complete shut-in being some four to possibly five years, it's very easily that even we may have damage to our casing, tubing, formation; just any number of things there that could cause premature abandonment of the well.

Q In your opinion, would that constitute waste?

A Yes, it would.

Q Now, in order to protect this well, is it necessary that it be continuously produced?

A Yes, we think it is.

Q Do you have any recommendation to make as to the manner in which the well should be produced in order to make up this overproduction and protect the well?

A As stated in the application to the Commission, we believe that 50 percent of what we estimate possibly to be our

monthly allocation is a fair, I would say, minimum production. We might state still that this 5 percent is backed up by the fact that during the period of time that we were producing somewhere in the realm of 2,000 to 2200 MCF per month, the well had, shut-in pressures were improving all along, and I might state that it is our belief that the well should not be curtailed below 2,000 MCF per month.

Q Does the impression you have indicate that it tends to log up with water at a producing rate, below the producing MCF per month?

A Yes, sir. It is seen that during December, January, February and March the well produced only a maximum of 600 MCF per month. During that period of time, the bottom, the shut-in wellhead pressure was only 610 PSI.

Q In your opinion, would production at a curtailed rate below the 2,000 MCF per month possibly result in permanent damage to the well?

A I believe it would.

Q Were Exhibits 1 and 2 prepared by you or under your direction?

A They were prepared by me.

MR. KELLANIN: We would like to offer Exhibits 1 and

2.

MR. TUTTER: They will be entered in evidence.

Q (By Mr. Kellanin) Do you have any further statements?

A I don't believe I do.

MR. WELLS: That's all the questions I have.

MR. WUTTER: Anyone have any questions of Mr. Arrington?

CROSS EXAMINATION

BY MR. WUTTER:

Q Can you tell me what the average allowable for this well for the last twelve months is?

A The last twelve months, I would say about 3200. The last thirteen months previous to June was only 3100, and just offhand, I should say it should be over 30 MCF per month.

Q Are you using the marginal allowable, or non-marginal allowable?

A Well, the allowable that was assigned while the production was being produced.

Q Well, which is that, marginal allowable or --

A Marginal, that's right.

Q The well was reclassified on the basis of non-marginal allowables, is that correct?

A Well, just glancing over the New Mexico Oil Conservation Commission allowable for '50 and '59 -- I'll read this for the record. '50, in July, 1.034, August 1.146, September 1.206, October 1.662, November 2.043, December 2.732, January 4.144, February 2.206, March 2.430, April 1.533, May 3.53, June 2.233. On the basis of those allowables, we were overproduced and reclassified

as a non-marginal well again.

Q Did you say those figures would average about 1,031 MCF per month?

A They possibly would, without the benefit of adding them here.

Q Well, you are requesting a minimum allowable, or minimum production area of 2,000 a month. If those figures do average that, then we will have to have a substantial increase in allowable, or you would never make up this overproduction?

A Our deliverability has changed our present allowable for the last several months. In July it was approximately 7,000, in August it was approximately 2600, in September 4200. Considerably more than what we had on deliverability there of 224 and 418 respectively. Our deliverability, now, I believe, is 773.

Q You have had an increase in deliverability?

A That's right.

MR. NUTTER: Was that affected by changing the line pressure?

A Probably was.

Q It was actually affected by cleaning out the well bore?

A It probably was that too. With the well producing some million a day, it pretty well cleans itself out.

MR. UTZ: That's all the questions I have.

QUESTIONS BY MR. NUTTER:

Q Mr. Arrington, you stated by lining up these two Exhibits that there was a correlation between low pressures, low tubing head pressures, and the low producing rates, and the higher tubing head pressures, and the higher producing rates, and yet I note going from August to September you had a pretty substantial tubing head pressure decrease, but I believe you had an increase in productivity on that well during that month, didn't you, or I should say an increase in the production on that well?

A Well, let's see here in '58.

Q Is this '58, sir?

A '58.

Q Now, that top peak in '58, is that the month of August?

A That is correct, I believe.

Q And the next pressure is some 30 to 40 pounds lower, I believe, isn't it?

A Yes, sir.

Q Now, how about production from August to September?

A Well, looks like we had an increase there of about 2,000 MCF.

Q I don't doubt that there possibly may be a correlation here between low production rates and low pressures and high production rates and high pressures. However, I was just wondering if all these pressures are taken under identical conditions?

A I don't say they are. El Paso Natural Gas takes those for us.

Q Are they taken after an equal time of production and then an equal shut-in?

A Supposedly seventy-two hour shut-in.

Q How about production prior to the shut-in, is there a stabilization there?

A I wouldn't hazard a guess. Apparently, there is some difference there. As far as I know, there apparently -- the pressure is less. The well may have been shut-in previous to that. The pumper, they may or may not have notified our pumper there. He may not have the well blown down. They do blow it down, as previously stated, about once a week. If those conditions weren't at the best, surely the pressures would be less.

Q Well, the correlation would be only as good as the pressure tests upon which the correlation is based, wouldn't it?

A That is correct.

Q Well, do you have any other evidence that this well would be damaged by curtailing the production drastically?

A Well, none other than has already been presented here.

MR. UTZ: Would you take such tests as to make this determination definitely --

A Sir?

MR. UTZ: Could you take some tests that would determine what the minimum rate of production would be?

A Yes, sir, we surely could. In keeping with the request that has been made previous here -- previously here this

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morning by the other operators, I think that it might be well to --
that we conduct some test just to see what the minimum flow rate
might be and still be able to keep our well producing. I feel
fairly sure that it is in excess of 71 MCF per month.

Q (By Mr. Nutter) Well, now, you stated --

A We say that it is probably around 2,000, but we
don't -- we've conducted no extensive test to try to ascertain
just exactly what it is.

Q Well, now, Mr. Arrington, here in your letter of ap-
plication you say, "At the present time the well produces an es-
timated two to five barrels of water per day, and requires a blow
off of this water once a week."

A That's right.

Q Under what rate of production did you experience that --

A Well, --

Q -- during the first half of '90 or since you curtailed
your production from July into August?

A I would say that was probably in, an average for
the last, possibly last year. It has been going on for quite
some time.

Q You have been having to blow off this well periodi-
cally?

A That's right.

MR. NUTTER: Any more questions of Mr. Arrington?

He may be excused.

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(Witness excused)

MR. KELLAHIN: I would like to call Mr. Port as our next witness, please.

GERALD J. PORT,
called as a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Will you state your name, please?

A Gerald J. Port.

Q Spell that.

A P-o-r-t.

Q By whom are you employed and in what position, Mr. Port?

A I'm employed by Husky Oil Company as field production foreman and production engineer.

Q Have you had any educational qualifications and experience in the field in which you are now engaged?

A Yes, sir.

Q Would you state briefly what your education and experience has been?

A I received a degree of petroleum engineer in Colorado School of Mines in 1951, and since July of '52 have been employed by Husky Oil Company; now, as production engineer.

MR. KELLAHIN: Are the witness' qualifications ac-

ceptable?

MR. WUTHER: Yes, sir, please proceed.

Q Mr. Ford, as production engineer, are you familiar with the production history of the Husky Oil Company's Montecito Woolworth No. 2 Well?

A Yes, sir, I am.

Q Would you review briefly the production history of that well, using the records of our Exhibit No. 1?

A My testimony on this would be the same as Mr. Arrington has previously given, the well being put into the intermediate line in January of '59. However, in April I ran a study on our holdings in the Jalmat area, both the oil in the Langley Mattix and the gas in the Jalmat Field. And at that time I noticed with an allowable of 3096 MCF per month that our production had quite sharply increased and was running in the vicinity of 30,000 MCF a month, and sometimes quite a bit higher.

Q Did you take any steps to call this to the attention of the purchasing company, in an effort to get the situation corrected?

A Yes, sir, I did.

Q Will you tell the Commission just what you did?

A I contacted a Mr. J. M. Bolch at Jal with El Paso Natural Gas Company; I believe he is their division engineer. And during a phone conversation, I explained the situation to Mr. Bolch telling him that I knew eventually there would be a re-

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adjustment period for the six month balancing period, and with this we'll running ten times over its marginal allowable, and having had also one previous change of deliverability from, I believe it was 215 to 440, and also another deliverability after we were put in the intermediate line, which had calculated to 770. I knew that we would be well overproduced. I contacted Mr. Bolch and asked him during the conversation if they could hold that well to about, somewhere in the range of 5,000 MCF per month until it was found out what would happen. They said they would try to do what they could, and in May of 1954, as you will notice from Exhibit 1, there was a decrease in production from around 29,000 down to about 9,500 MCF for that month. I never contacted Mr. Bolch again or talked to anybody with El Paso, even after the wells received a reclassification notice, but as you can tell, the production jumped back sharply in June and July. That was all I did.

MR. KELLAHAN: That's all the questions I have, Mr. Nutter.

MR. NUTTER: Does anyone have a question of Mr. Port? He may be excused.

(Witness excused)

MR. KELLAHAN: That's all we have, sir.

MR. NUTTER: Does anyone have anything further in Case 1780? We will take the case under advisement and adjourn the hearing.

STATE OF NEW MEXICO)
) ss
 COUNTY OF BERNALILLO)

I, J. A. Trujillo, 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 New Mexico Oil Conservation Commission was reported by me in Stenotype and reduced to typewritten transcript by me, 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 15 day of October, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Joseph A. Trujillo
 NOTARY PUBLIC

My Commission Expires:

October 5, 1960

I do hereby certify that the foregoing is a true and correct copy of the proceedings in the case of 1780 and 159 heard by the Commission on 9-30.
[Signature]
 New Mexico Oil Conservation Commission

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. 1780
Order No. R-1512

APPLICATION OF THE HUSKY OIL
COMPANY FOR AN ORDER PERMITTING
ONE OVERPRODUCED GAS WELL IN THE
JALMAT GAS POOL, LEA COUNTY, NEW
MEXICO, TO COMPENSATE FOR SUCH
OVERPRODUCTION AT A LESSER RATE
THAN COMPLETE SHUT-IN IN EXCEP-
TION TO ORDERS NOS. R-520 AND
R-967

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on September 30, 1959, at Santa Fe, New Mexico, before Daniel S. Nutter, 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 27th day of October, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, 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 Montecito Woolworth well No. 2, located in Unit L, Section 33, Township 24 South, Range 37 East, N.M.P.M., Lea County, New Mexico, is more than six times overproduced and is therefore subject to complete shut-in under the provisions of Orders Nos. R-520 and R-967.

(3) That due to severe liquid problems, the applicant seeks an order permitting the overproduction to be made up at a lesser rate than complete shut-in in order to preclude permanent injury to the subject well.

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Case No. 1780
Order No. R-1812

(4) That the applicant should be permitted to produce the subject well at a monthly rate equal to fifty percent of the well's current monthly allowable or at a monthly rate equal to fifty percent of the well's average monthly allowable for the preceding six-month proration period, whichever is greater.

(5) That the curtailed rate of production to compensate for overproduction as hereinabove prescribed should be adequate to prevent permanent injury to the well or producing formation.

(6) That an administrative procedure should be established whereby the Secretary-Director of the Commission may authorize the operator to compensate for overproduction at a lesser rate than that provided in this order upon a satisfactory showing that the rate prescribed herein would result in permanent damage to the well and/or producing formation.

IT IS THEREFORE ORDERED:

(1) That the operator do and the same is hereby authorized to compensate for the overproduction of the Montecito Woolworth Well No. 2, a Jalmat gas well located in Unit 1, section 33, Township 21 South, Range 37 East, 44th, Lea County, New Mexico, by producing it at a monthly rate equal to fifty percent of the well's current monthly allowable or at a monthly rate equal to fifty percent of the well's average monthly allowable for the preceding six-month proration period, whichever is greater.

PROVIDED HOWEVER, That an administrative procedure be and the same is hereby established wherein the Secretary-Director is authorized to set the percentage of curtailment at a lesser rate than that herein prescribed upon a satisfactory showing by the operator that the rate for compensating for overproduction as set forth in this order would result in permanent damage to the well and/or producing formation.

(2) That the effective date of this order is November 1, 1959.

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Case No. 1780
Order No. R-1512

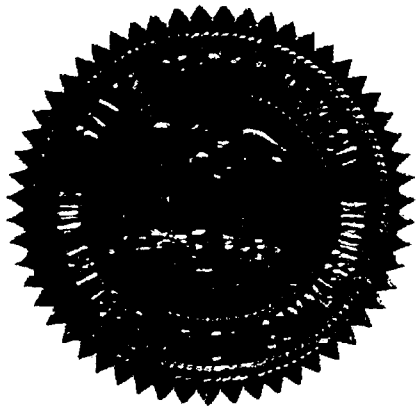
DONE at Santa Fe, New Mexico on the day and year here-
inafter designated.

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



ler/

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

October 27, 1959

Mr. Jason Kellahin
P. O. Box 1713
Santa Fe, New Mexico

Dear Mr. Kellahin:

On behalf of your clients, Continental Oil Company and Husky Oil Company, we enclose two copies of Order No. R-1510 in Case 1776 and Order No. R-1512 in Case 1780. These orders were issued by the Oil Conservation Commission on October 26, 1959.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

lr/

Enclosures: (2)

HUSKY OIL COMPANY

PHONE 500

P. O. BOX 380

CODY, WYOMING

800 V & J Tower
Midland, Texas

August 28, 1959

Oil Conservation Commission
P. O. Box 271
Santa Fe, New Mexico

Attention: Mr. Elvis Utz

Re: Husky Oil Company
Montecito Woolworth No. 2
Unit M
Section 33, Township 24
Range 37
Lea County, New Mexico

Dear Sir:

This is a request of the Husky Oil Company for a hearing before the Commission to consider Husky Oil Company's application to allow its Montecito Woolworth No. 2 gas well in the Jalmat Pool to be allowed to continue to produce and make up its overproduction of gas at a reduced producing rate as set out in Commission Order R-967 Rule 10.

The well in question was previously a marginal well and was reclassified non-marginal effective July 1, 1959. According to the record this well in July was overproduced some 139,377 MCF of gas or about 53 times its August allocation. Should this well have an average monthly allowable of 3,000 MCF, a shut-in period of some 46 months would be required to make up the now outstanding overage.

During this lengthy shut-in period, it is very possible that this well could be permanently damaged. At present the well produces an estimated 2 to 5 barrels of water per day and requires a blow-off of this water once a week. Also in the past years the deliverability of the well has fluctuated considerably. In April, 1958, when the well was producing into the El Paso Natural Gas Company's high pressure line, this well's deliverability was 224 MCF per day. In the 5 month period preceding the April, 1958 test, monthly gas production ranged from 71 MCF to 761 MCF per month. In January of 1959, the well was placed in an intermediate pressure line and the deliverability increased to 778 MCF per day. This data indicates that during 1958, the period of time when the well's



Booklet mailed

9-15-59

AK

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Very truly yours,

W. H. Arrington, Jr.
District Engineer

WHA:sab

148,572

DOCKET: EXAMINER HEARINGS SEPTEMBER 30, 1969

Oil Conservation Commission - 9 a.m., Labry Hall, State Capitol, Santa Fe, New Mexico

The following cases will be heard before Daniel S. Nutter, Examiner, or A. L. Porter, Jr., Secretary-Director.

CONTINUED CASE

CASE 1739: Application of Shell Oil Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Hershaw Deep Unit Agreement comprising 482+ acres, more or less, of Federal and State lands in Township 16 South, Ranges 30 and 31 East, Eddy County, New Mexico.

NEW CASES

CASE 1760: Application of The Atlantic Refining Company for an automatic custody transfer system and for permission to produce more than 16 wells into a common tank battery. Applicant, in the above-styled cause, seeks an order authorizing it to install an automatic custody transfer system to handle the production from all Horseshoe-Gallup oil wells on its Navajo "B" Lease comprising certain acreage in Township 31 North, Range 16 West, San Juan County, New Mexico.

CASE 1761: Application of Stanton Oil Company, Ltd., for a pilot water flood project. Applicant, in the above-styled cause, seeks an order authorizing it to institute a pilot water flood project in the Turkey Track Pool in Eddy County, New Mexico, by the injection of water into the Queen formation through four wells located in Section 34, Township 18 South, Range 29 East.

CASE 1762: Application of Newmont Oil Company for an unorthodox water injection well location. Applicant, in the above-styled cause, seeks an order authorizing it to reopen and utilize for water injection a well located on an unorthodox location at a point 1620 feet from the North line and 1020 feet from the West line of Section 32, Township 16 South, Range 31 East, Square Lake Pool, Eddy County, New Mexico.

CASE 1763: Application of Southwestern Hydrocarbon Company for an order abolishing the Sawyer-San Andres and South Sawyer-San Andres Oil Pools in Lea County, New Mexico, and creating the Sawyer-San Andres Gas Pool; or in the alternative for an order extending the horizontal limits of the South Sawyer-San Andres Oil Pool to include the NE/4 of Section 6, the N/2 of Section 5 and the NW/4 of Section 4, Township 10 South, Range 38 East, Lea County, New Mexico, and removing all gas-oil ratio limitations for wells in said pool; or in the alternative for an order combining the Sawyer-San Andres and the South Sawyer-San Andres Oil Pools, as well as the intervening acreage, and removing all gas-oil ratio limitations for such pool.

CASE 1764: Application of Standard Oil Company of Texas for an unorthodox gas well location. Applicant, in the above-styled cause, seeks an order authorizing an unorthodox gas well location in the Atoka-Pennsylvanina Gas Pool, at a point 1850 feet from the South line and 1650 feet from the East line of Section 14, Township 18 South, Range 26 East, Eddy County, New Mexico.

- CASE 1765: Application of The Ohio Oil Company for a salt water disposal well. Applicant, in the above-styled cause, seeks an order authorizing the disposal of produced salt water into the Lower San Andres formation through its State B-4286 "A" Well No. 2, located in Unit F, Section 2, Township 17 South, Range 36 East, Lea County, New Mexico. The proposed injection interval is from 5725 feet to 5968 feet.
- CASE 1766: Application of Northwest Production Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its "S" Well No. 16-2, located in the SW/4 SW/4 of Section 2, Township 24 North, Range 4 West, Rio Arriba County, New Mexico, in such a manner as to produce oil from an undesignated Gallup oil pool and to produce oil from an undesignated Dakota oil pool through parallel strings of tubing.
- CASE 1767: Application of El Paso Natural Gas Products Company for permission to produce more than 16 wells in a common tank battery. Applicant, in the above-styled cause, seeks an order authorizing the production of a maximum of 35 wells in the Horseshoe-Gallup Oil Pool into a common tank battery. Said wells are located on applicant's Horseshoe Ute Lease comprising portions of Sections 27, 28, 33 and 34, Township 31 North, Range 16 West, San Juan County, New Mexico.
- CASE 1768: Application of T. F. Hodge for the rededication of acreage assigned to three oil wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order rededicating the acreage assigned to three oil wells on his Mary E. Wills Lease, Section 33, Township 26 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico. Applicant proposes to dedicate 40 acres to each of the three wells, said 40-acre units not to comprise a quarter-quarter section or legal subdivision.
- CASE 1769: Application of Pan American Petroleum Corporation for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Northeast Hogback Unit Agreement, comprising 10,572 acres, more or less, in Township 30 North, Range 16 West, San Juan County, New Mexico.
- CASE 1770: Application of Pan American Petroleum Corporation for approval of a lease automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the automatic custody transfer of oil produced from its Lois Wengerd Lease in Sections 23 and 24, Township 12 South, Range 37 East, Gladiola-Devonian Pool, Lea County, New Mexico.
- CASE 1771: Application of Pan American Petroleum Corporation for approval of a lease automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing the automatic custody transfer of oil produced from its USA Malco Refinery "F" Lease, Section 1, Township 18 South, Range 27 East, Empire-Abo Pool, Eddy County, New Mexico.
- CASE 1772: Application of Pan American Petroleum Corporation for approval of an automatic custody transfer system for four state leases in the Empire-Abo Pool, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order amending Order No. R-1292 to provide for automatic custody transfer of oil commingled thereunder.

- CASE 1773: Application of Pan American Petroleum Corporation for approval of two automatic custody transfer systems for seven federal leases in the Empire-Abo Pool, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order amending Order No. R-1399 to provide for automatic custody transfer of oil produced into the two commingled tank batteries authorized therein.
- CASE 1774: Application of Continental Oil Company for a non-standard gas unit. Applicant, in the above-styled cause, seeks the establishment of a 160-acre non-standard gas unit in an undesignated Tubb gas pool consisting of the E/2 NW/4 and the W/2 NE/4 of Section 15, Township 20 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the applicant's Britt B-15 No. 10 Well, located in the SW/4 NE/4 of said Section 15.
- CASE 1775: Application of Continental Oil Company for a non-standard gas unit. Applicant, in the above-styled cause, seeks the establishment of a 160-acre non-standard gas unit in an undesignated Tubb gas pool consisting of the E/2 SE/4 of Section 15 and the W/2 SW/4 of Section 14, all in Township 20 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the applicant's SEMU Well No. 70, located in the NW/4 SW/4 of said Section 15.
- CASE 1776: Application of Continental Oil Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for nine wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing the following-described wells in the Jalmat Gas Pool to compensate for their overproduced status without being completely shut-in in order to prevent possible waste:
Ascarate D-24 Well No. 1, Unit J, Section 24, T-25-S, R-36-E, Danciger A-8 Well No. 2, Unit P, Section 8, T-23-S, R-36-E, Jack A-20 Well No. 4, Unit G, Section 20, T-24-S, R-37-E, Jack A-29 Well No. 3, Unit H, Section 29, T-24-S, R-37-E, Meyer A-29 Well No. 1, Unit O, Section 29, T-22-S, R-36-E, Meyer B-28 Well No. 1, Unit E, Section 28, T-22-S, R-36-E, State A-32 Well No. 4, Unit F, Section 32, T-22-S, R-36-E, Stevens A-34 Well No. 1, Unit E, Section 34, T-23-S, R-36-E, Wells B-1 Well No. 1, Unit A, Section 1, T-25-S, R-36-E, all in Lea County, New Mexico.
- CASE 1777: Application of El Paso Natural Gas Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for two wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing its E. J. Wells Lease Well No. 13, Unit L, Section 5, and its Wells B-4 Lease Well No. 1, Unit D, Section 4, both in Township 25 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, to compensate for their overproduced status without being completely shut-in in order to prevent possible waste.
- CASE 1778: Application of Olsen Oils, Inc., for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for four wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing the following-described wells in the Jalmat Gas Pool to compensate for their overproduced status without being completely shut-in in order to prevent possible waste:
Cooper B Well No. 2, NE/4 NW/4 of Section 14, T-24-S, R-36-E, Myers B Well No. 1, SE/4 NW/4 of Section 13, T-24-S, R-36-E, S. R. Cooper Well No. 1, SE/4 NE/4 of Section 23, T-24-S, R-36-E, Winningham Well No. 3, NE/4 SE/4 of Section 30, T-25-S, R-37-E, all in Lea County, New Mexico.

CASE 1779: Application of Jal Oil Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for four wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing the following-described wells in the Jalmat Gas Pool to compensate for their overproduced status without being completely shut-in in order to prevent possible waste:

Legal Well No. 2, NE/4 SE/4 of Section 21,
Dyer Well No. 3, SE/4 NE/4 of Section 31,
Jenkins Well No. 2, NE/4 SW/4 of Section 29,
Ropollo Well No. 1, SW/4 NW/4 of Section 28,
all in Township 25 South, Range 37 East, Lea County, New Mexico.

CASE 1780: Application of Husky Oil Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for one well in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing its Montecito Woolworth Well No. 2, Unit M, Section 33, Township 24 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, to compensate for its overproduced status without being completely shut-in in order to prevent possible waste.

CASE 1781: Application of Texaco, Inc. for permission to continue producing an over-produced Jalmat gas well at a lesser rate. Applicant, in the above-styled cause, seeks an order authorizing it to produce its C. C. Fristoe (b) NCT-4 Well No. 2, Unit M, Section 31, Township 24 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, at a maximum rate of 2500 MCF per month for lease use until over production has been compensated for.