

Case No.

985

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Application, Transcript,  
Small Exhibits, Etc.

BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 985

TRANSCRIPT OF PROCEEDINGS

ADA DEARNLEY AND ASSOCIATES  
COURT REPORTERS  
605 SIMMS BUILDING  
TELEPHONE 3-6691  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
December 14, 1955

IN THE MATTER OF:

CASE NO. 985

Northwestern New Mexico nomenclature case calling  
for the following creations and extensions of pools.:

(a) Creation of a new gas pool for Dakota product-  
ion, designated as the East Companero Dakota Pool,  
and described as:

Township 27 North, Range 4 West

Section 5: SW/4  
Section 6: S/2  
Section 7: All  
Section 8: W/2

(b) Creation of a new gas pool for Dakota product-  
ion, designated as the Largo Dakota Pool, and des-  
cribed as:

Township 27 North, Range 9 West

Section 3: S/2  
Section 4: SE/4  
Section 9: NE/4  
Section 10: N/2

(c) Creation of a new gas pool for Dakota product-  
ion, designated as the Otero Dakota Pool, and des-  
cribed as:

Township 25 North, Range 5 West

Section 22: All  
Section 23: W/2  
Section 26: NW/4  
Section 27: N/2

(d) Creation of a new oil pool for Lower Gallup  
production, designated as the Bisti Lower Gallup  
Pool, and described as:

Township 25 North, Range 12 West

Section 9: S/2 SE/4  
Section 10: SW/4 SW/4  
Section 15: W/2 NW/4  
Section 16: NE/4

(e) Creation of a new oil pool for Upper Gallup

production, designated as the South Barker Upper Gallup Pool, and described as:

Township 31 North, Range 15 West

Section 13: W/2 SW/4  
 Section 14: SE/4  
 Section 23: N/2 NE/4  
 Section 24: NW/4 NW/4

(f) Extension of the Blanco-Mesaverde Pool to include:

Township 27 North, Range 9 West

Section 3: All  
 Section 4: E/2  
 Section 9: NE/4  
 Section 10: N/2

(g) Extension of the Canyon Largo-Pictured Cliffs Pool to include:

Township 25 North, Range 7 West

Section 5: NW/4

Township 26 North, Range 7 West

Section 32: N/2 and SW/4

(h) Extension of the West Kutz-Pictured Cliffs Pool to include:

Township 26 North, Range 11 West

Section 3: S/2

(i) Extension of the Fulcher Kutz-Pictured Cliffs Pool to include:

Township 28 North, Range 10 West

Section 7: W/2

BEFORE:

Honorable John F. Simms, Jr.,  
 Mr. E. S. (Johnny) Walker,  
 Mr. William B. Macey.

TRANSCRIPT OF HEARING

MR. MACEY: The next case on the docket is Case 985.

(Witness sworn.)

E L V I S     A.     U T Z

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

DIRECT EXAMINATION

ADA DEARNLEY & ASSOCIATES  
 STENOGRAPHIC REPORTERS  
 ALBUQUERQUE, NEW MEXICO  
 TELEPHONE 3-6691

BY MR. KITTS:

Q State your name and position.

A Elvin A. Utz, Engineer with the New Mexico Oil Conservation Commission.

Q Mr. Utz, are you familiar with Case 985 and the recommendations contained therein?

A Yes, sir, I am.

Q Turn, first, to paragraph "e", which relates to the recommended creation of a new gas pool designated as the East Companero Dakota Pool; state what that recommendation is and the basis for it.

A Paragraph "e"?

Q Paragraph "a".

A Sorry. Paragraph "a" has to do with the creation of a new pool called the East Companero Dakota. I recommend that that be extended as advertised -- or created, as advertised, on the basis of the El Paso Natural Gas No. 5 San Juan Unit 27-4, located in the NE/4, Section 7, 24 North, 4 West, which had an initial pressure of 4,206 MCF per day, and shutin pressure of 2,549 pounds in fourteen days.

MR. KITTS: Off the record for just a second.

(Discussion off the record.)

Q Number "b," creation of a new gas pool for Dakota production, designated as the Largo Dakota Pool; explain that, and the basis for it.

A The recommendation is for the creation of a new pool to be known as Largo Dakota Pool; I recommend it be created as advertised on the basis of the J. Glenn Turner No. 2-3C. Hughes, which is located in the SW/4 Section 3, Township 27 North, Range 9 West, initial potential, 524 MCF per day, shutin pressure of 2,025 pounds; this is a

4  
dual completion under D C order 219.

Q Paragraph "c," explain that recommendation and the basis for it.

g  
A I recommend that the Otero Dakota gas pool be created as advertised on the basis of the Skelly Oil Company No. 1 Jicarilla C located in the SE/4 of Section 22, Township 25 North, Range 5 West, which had a calculated open flow of 9,500 MCF per day, with shutin pressure of 2,500 pounds in six days; it is producing sixty-two barrels of distillate per 1,000 MCF.

Q Mr. Utz, would you comment on the recommendation for "d," and the basis for it?

MR. MACEY: Just a moment. Mr. Christie has a comment to make on paragraph "c".

MR. CHRISTIE: R. F. Christie. Mr. Utz, are you satisfied that that is in the Dakota formation?

A Well, I have taken the word of our geologist as to the formation.

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A  
? 7  
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7  
MR. CHRISTIE: Well, Amerada Petroleum drilled an offset to that well, we have obtained production from what we considered to be the same horizon; our geologists believe that that is in the Cretaceous, so there is some difference of opinion between Skelly and ours, and in that case, unless you are positive it is Dakota, I would suggest to the Commission that it be continued until the geologists get together on the proper formation.

MR. MACEY: Mr. Arnold?

MR. ARNOLD: I don't believe we even have an electric log on this well, so the recommendations are made from the operator's report, he called it the Dakota production, but I have no objection

to continuing it. I would like to request that we get an electric log.

MR. MACEY: Are logs available on the Skelly well?

MR. CHRISTIE: I suppose that they are.

MR. UTZ: I have one, but I didn't look at it.

MR. MACEY: We will continue paragraph "c" until the January 19 hearing pending further study of the formation involved. Does anyone else have any further comment on that portion of the case? If not, we will go on to paragraph "d."

Q Paragraph "d," Mr. Utz, what is the basis for that recommendation?

A I recommend that a new oil pool be created for Lower Gallup production, which shall be called the Bisti, which was the name of a trading post in the area. I recommend that this oil pool be created as advertised on the basis of the El Paso Natural Gas Company's No. 1 Kelly State, in the NE/4 of Section 16, Township 25 North, Range 12 West, initial potential 180 barrels per day, and 100 MCF per day.

Q Paragraph "e", state more fully what the recommendation is, and the basis for it.

A I recommend that paragraph "e" be dismissed entirely until such time as evaluation can be made of the producing formation in the mica shale; there is some doubt now as to whether it is actually Gallup or not.

Q Your request is that it be dismissed and not merely continued?

A Yes, I am sure it is going to have to be re-advertised again anyway.

Q Paragraph "f", extension of Blanco-Mesaverde Pool, what is your recommendation for that?

to continuing it. I would like to request that we get an electric log.

MR. MACEY: Are logs available on the Skelly well?

MR. CHRISTIE: I suppose that they are.

MR. UTZ: I have one, but I didn't look at it.

MR. MACEY: We will continue paragraph "c" until the January 19 hearing pending further study of the formation involved. Does anyone else have any further comment on that portion of the case? If not, we will go on to paragraph "d."

Q Paragraph "d," Mr. Utz, what is the basis for that recommendation?

A I recommend that a new oil pool be created for Lower Gallup production, which shall be called the Bisti, which was the name of a trading post in the area. I recommend that this oil pool be created as advertised on the basis of the El Paso Natural Gas Company's No. 1 Kelly State, in the NE/4 of Section 16, Township 25 North, Range 12 West, initial potential 180 barrels per day, and 100 MCF per day.

Q Paragraph "e", state more fully what the recommendation is, and the basis for it.

A I recommend that paragraph "e" be dismissed entirely until such time as evaluation can be made of the producing formation in the mica shale; there is some doubt now as to whether it is actually Gallup or not.

Q Your request is that it be dismissed and not merely continued?

A Yes, I am sure it is going to have to be re-advertised again anyway.

Q Paragraph "f", extension of Blanco-Mesaverde Pool, what is your recommendation for that?

A I recommend it be extended as advertised, on the basis of J. Glenn Turner No. 2-3 Hughes, in the SW/4 of Section 3, Township 27 North, Range 9 West, initial potential of 216 MCF per day, shutin pressure of 1,143 pounds; this is a dual completion as ordered by D C No. 219.

Q Paragraph "g," extension of Canyon Largo-Pictured Cliffs; what is the basis for that recommendation?

A It is recommended that it be extended as advertised on the basis of three wells capable of producing, C J 1 No. 3, C J 1, NW/4 of Section 5, Township 25 North, Range 7 West, initial potential of 785 MCF per day, with shutin pressure of 645 pounds in seven days, and the El Paso Natural Gas No. 6 Hamilton State, NE/4 of Section 32, Township 26 North, Range 7 West, with initial potential of 197 MCF per day, with shutin pressure of 598 pounds in seven days, and the El Paso Natural Gas No. 7 Hamilton State, NW/4 Section 32, Township 26 North, Range 7 West, with initial potential of 1,946 MCF per day, with shutin pressure of six hundred and fifty-eight pounds in fourteen days.

Q Paragraph "h," what is the basis for the recommended extension of the West Kutz-Pictured Cliffs Pool?

A I recommend the West Kutz-Pictured Cliffs Pool be extended as advertised on the basis of Griffith-Moore No. 1 Navajo in the SW/4 of Section 3, Township 26 North, Range 11 West with initial potential of 112 MCF per day, with shutin pressure of four hundred and thirty-one pounds in seventeen days.

Q Paragraph "i," tell us what your recommendation is and the basis for it.

A I recommend the Fulcher Kutz-Pictured Cliffs Pool be extended.

as advertised, on the basis of the Southern Union Gas Company Angel No. 19, NE/4 of Section 12, Township 28 North, Range 11 West. I don't have an IP record on this well.

Q Is there one available in our office?

A There is one available, I am sure, but it wasn't available at the time this was printed.

Q Mr. Utz, have you prepared an Exhibit?

A Yes, I have.

Q Will you mark this Exhibit No. 1? This contains all the recommendations, does it?

A This contains all the creations and recommended extensions and the basis on which they were made.

MR. KITTS: We offer Exhibit No. 1 in evidence.

MR. MACEY: Without objection, it will be received. Is that all?

MR. KITTS: That is all.

MR. MACEY: Any questions of the witness?

MR. NUTTER: In other words, all these were as advertised, except paragraph "c" continued to January 19, and paragraph "e" dismissed?

A I asked for it to be dismissed, I don't know whether it was or not.

MR. MACEY: We will take the case under advisement with the exception of paragraph "c," which will be continued until January, and paragraph "e" will be dismissed.

\* \* \* \*

## C E R T I F I C A T E

STATE OF NEW MEXICO)

:ss

COUNTY OF BERNALILLO)

I, THURMAN J. MOODY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the Oil Conservation Commission for the State of New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

WITNESS MY HAND, this, the 30<sup>th</sup> day of December, A.D., 1956.

*Thurman J. Moody*  
Court Reporter.

MAIN OFFICE OCC  
JED:KCR 4/11 AM 8:45

BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 985

TRANSCRIPT OF PROCEEDINGS

**ADA DEARNLEY AND ASSOCIATES**  
COURT REPORTERS  
605 SIMMS BUILDING  
TELEPHONE 3-6691  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
February 15, 1956

IN THE MATTER OF:

CASE NO. 985 Northwestern New Mexico Nomenclature case  
calling for the following creation:

(c) Creation of a new gas pool for Dakota production,  
designated as the Otero Dakota Pool, and described  
as:

TOWNSHIP 25 NORTH, RANGE 5 WEST

Section 22: All

Section 23: W/2

Section 26: NW/4

Section 27: N/2

BEFORE:

Mr. E. S. (Johnny) Walker,  
Mr. William B. Macey.

TRANSCRIPT OF HEARING

MR. MACEY: The next case on the docket is Case 985.

E. C. ARNOLD,

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

DIRECT EXAMINATION

BY MR. KITTS:

Q State your name and position, please.

A E. C. Arnold, Geologist, Oil Conservation Commission.

Q And where is your office, Mr. Arnold? A Aztec, New Mexico.

Q Mr. Arnold, Case 985, (c), was advertised as a nomenclature  
case originally, for creation of a new gas pool for Dakota produc-  
tion, on the basis of Skelly No. 1 Jicarilla C, which is supposedly

completed in the Dakota Formation. Do you concur and agree that the well is completed in the Dakota? A No, I do not.

Q In connection with your study of this case, Mr. Arnold, have you obtained or prepared certain exhibits?

A Yes, I have. First, I would like to say that we originally thought we would wait until we get the recommendations of the nomenclature sub-committee of the Four Corner Geological Society, but it looks like that is going to be about sixty days before their study is complete, so, rather than wait on that, I made a study on my own, and also sampled the industry to see what the consensus of opinion was insofar as this disagreement as to whether to call this sand the Dakota or the Graneros. These sections, -- I better point them out --

Q Exhibits two through six?

A Yes. This is two, three, four, five and six, which is a composite; this is a composite exhibit using all of the exhibits, two through five.

Q Were those prepared by you?

A No, those were given me by the geological department of the El Paso Natural Gas Company.

Q Are you satisfied as to the accuracy of those exhibits?

A Yes.

Q Do you wish to proceed with Exhibit 1, Mr. Arnold, and --

A These sections were prepared by Mr. Guy Burton, of the El Paso Natural Gas Company in connection with a publication which he made for the Four Corners Geological Society Guide Book in 1955.

What he was trying to show was the relationship between the Graneros interval and the Dakota sandstone. Toward the south end of the basin,

there is a sand which occurs in what is commonly known as the Graneros interval.

Q That is below the Greenhorn, is it not?

A Yes. In the northern part of the Basin, the Dakota is picked in this body here, but in the south end, this sand has been encountered in the Graneros interval.

Q Will you point out on the Exhibit you are now using, Exhibit No. 5, point out the various formations you are discussing, Mr. Arnold.

A All right. This is the top of the Greenhorn line, the base of the Greenhorn, top of the Graneros shale; this is the sand in question, shaded in here; this is the top of the Dakota as generally depicted in the San Juan Basin. It does vary somewhat due to lensing of the contact with overlying Graneros. Now, all of these sections or locations indicated by these TP logs on the bottom of each section. I believe the best way to show you what each one of them show would be to do it on the composite section, Exhibit 6. The locations of these sections is also shown on the map in red here, E - E-Prime, which is the long section we were just looking at. This one, A - A-Prime, which is this one here, Exhibit 2, B - B-Prime, the next the next one here, C - C-Prime, is the long north-south section here. D - D-Prime is the one farthest to the east. What Mr. Burton did in his study, he used both electric logs and samples and he mapped the inferred northern extent of this sandstone deposition in the Graneros shale. In other words, below the green line, he infers that that sandstone is present; north of the green line, he inferred that it is not, and all the logs that I have looked at bear that out.

Q Will you turn to some of these exhibits to show where this

sandstone in the Graneros is shown, and where it is not?

A Also, I would like to say this dash line on the composite cross section is the same as the green line on this map. What was the question you asked?

Q I was asking to turn your attention to certain exhibits to show where this sandstone in the Graneros appears and where it does not.

A You want me to start with --

Q Start with Exhibit 2.

A All right. A - A-Prime, this sandstone was not found on any of the wells in that section. That is the one to the northeast here -- northwest. On B - B-Prime, which is this section here, it was encountered in the two southerly-most wells, which is Stanolind No. 4, Huerfano and Deeprock No. 1 Edgar. C - C-Prime, which is this section, also shows that the south, the sandstone is only found in the southern part of the area covered by the section. It is present at the Petroleum Production Refining Company's No. 1 Santa Fe; El Paso Natural Gas San Juan 287 Unit No. 1. From that section is what he inferred it goes up into the northern part, the sand being present in this well. D - D-Prime, section farthest to the east, and then that one, the last five wells on the section show that sandstone present, where the Continental South Dulce, farthest to the north, shows it missing. Mr. Burton inferred from his study that the direction of deposition of this Graneros sandstone was to the south, and it probably resulted from a regression of the Mancos at some time considerably later than the Dakota deposition, and it represents a facies change from sand to shale going from south to north.

Q Are there any outcroppings of this sandstone to the south

that would bear out that it is greater in the south than it is in the north?

A Yes. All along the south side of the basin, there is sandstone series outcroppings in the Graneros interval, and they are referred to in U.S.G.S. papers as the Tres Hermanos sandstones, and the two wells that is on the east side and the two wells on the west side, in the Gallup Sunny area, so it would really probably be more correct to call this a Tres Hermanos sandstone. However, we don't have very good control across the south end of the basin, so it can't be definitely established that those sandstones are the same zone as the one producing in the Skelly and Amerada wells. So I believe it would be better to put off that matter until we have further development.

Q What is the usual thickness of the Graneros shale throughout the area you have discussed?

A It is about 120 to 150 feet on the east side of the Basin, it thins gradually going west. However, at no point, even on the west side over here, unless you count this sandstone as Dakota, does it thin to more than about 100 feet.

Q Do you have anymore to say concerning Exhibits 2 through 6?

A I don't believe so. The main reason that I thought it would be a good idea to put these exhibits into the testimony was to show that this zone had been identified by people that had been working in the Basin to show that it could be mapped, and there are people who consider it to be a separate unit from the Dakota sand.

Q Now, just for the record, Mr. Arnold, the Greenhorn is limestone, is it not?

A Yes, that is right.

Q And the Graneros is black shale, and the Dakota is sandstone,

is that correct?

A It's not always quite that clear cut, but that is it, yes.

This is Greenhorn, a line of shale. It is the best time line we have in the lower Mancas, and this section, which is Exhibit 7, is set up on the datum on the base of the Greenhorn, or top of the Graneros shale interval. You can see from this, particularly on the north, this section, by the way, is on that map, and runs from south to north, starting at A to E. It starts in 3- 21N-5W, and ends in Section 6, 28N 2W. You can see at the Continental South Dulce Well, this sand had completely wedged out into shale and is missing. There is a little development in the Southern Union No. 1-A Jicarilla, and these two are the Kelly and Amerada wells which are offset wells which, for the purpose of this hearing, is set up to pool these two wells. The producing zone in the Skelly well is 7110 to 33, which is about right in there, and the Amerada well is 7123 to 76, which is a little wider, about in there. You can see that this whole Graneros section varies very little in thickness across this twenty-mile section. You can also see that there is an upward migration of this sandstone from south to north, which also bears out the fact that is is probably a regressive sand.

Q Where do you pick out on that, do you pick the sandstone in the Graneros?

A This sand is indicated by this deflection on the curb here, here, here, here and here, and here it is disappearing, as you can see, and here you are back almost to the solid shale.

Q What was used in the preparation of that, electric log?

A Electric log.

Q Now, will you point out, again, the completion interval of

the Skelly Oil Company's No. 1 Jicarilla C?

A 7110 to 33, which would be just about where this little nub is here.

Q How far is that from the base of the well, from the top of the Graneros?

A The total Graneros interval is about 150 feet; the top of this sandstone is about thirty feet below the top of the Graneros shale interval. The sandstone zone, itself, is, oh, roughly 35 to 40 feet thick, in both wells.

Q So there is quite an interval, then, from the completion point of this well to the top of the Dakota?

A That's right, about 100 feet of black shale section from the base of the sand to the top of what is normally picked as the top of the Dakota. I want to mention, also, that this has been the Dakota pay particularly in the north end of the Basin. It sometimes varies a little, because of this lensing that is always right in that zone.

Q What do you conclude, then, what formation is the Skelly No. 1 Jicarilla C, where was that well completed, do you think?

A Well, --

Q I mean in what formation?

A Well, it is completely in the Graneros shale interval. Due to the fact that most operators have been calling it the Graneros sand, I would go along with that. I don't think it is exactly scientifically correct to call this the Graneros formation, and then to pick an interval in there and call that the Graneros, I think you would have to call it the Graneros Sandstone for sure. Like I say, I think it would be more consistent with the way we have done in the

past, if eventually we can trace this to an outcropping, call it Tres Hermanos, but for the time being, I will go along.

Q Do you have any recommendations you wish to make as to the name of this proposed pool?

A It is my recommendation it be called the Otero Graneros Pool.

Q Mr. Arnold, do you have any further comments you wish to make?

A Let me look here a minute. The only thing I would like to say is that the study that the Four Corners Society is making, they are putting together a section on the whole Mesaverde - Manca section which they intend to distribute to all the operators in the Basin, and request that they mark their nomenclature the way they see it on this cross section, then when they gather all of these back in, they are going to try to just let the majority rule and see if we come up with some standard names. I have talked to enough of them that I believe that their recommendations will be that we call this Graneros sand, rather than Dakota.

Q Is the top of the Dakota generally agreed upon?

A I think that the only reason, the only reasoning behind calling this Dakota was the way it has been done in the past, was that the first sand you drill below the base of the Greenhorn, you call the top of the Dakota, but I don't believe that that is a very good way to do it, because you can always identify this sand from its position, for one thing; as far as the physical characteristics, it looks about like Dakota sandstone.

Q From your testimony, it would be more logical to call the first sand below the Greenhorn the Dakota if you were in the northern part of the area?

A That's right, but in those cases, it will be about, as I said, 120 to 150 feet below the base of the Greenhorn. I don't believe I have anything further.

MR. KITTS: All right. That is all, Mr. Arnold. You have prepared exhibits one and seven, did you not?

A Yes.

MR. KITTS: We offer in evidence, Exhibits 1 through 7, inclusive.

MR. MACEY: Without objection they will be received.

Does anyone else have a question of Mr. Arnold? If not, the witness may be excused. We will take the case under advisement.

(Witness excused.)

\*\* \* \* \*

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) ss

I, THURMAN J. MOODY, Court Reporter, do hereby certify that the foregoing and attached Transcript of Proceedings had before the New Mexico Oil Conservation Commission is a true and correct transcript to the best of my knowledge, skill and ability.

  
Court Reporter

BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 985

TRANSCRIPT OF PROCEEDINGS

**ADA DEARNLEY AND ASSOCIATES**

COURT REPORTERS  
605 SIMMS BUILDING  
TELEPHONE 3-6591  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
January 20, 1956

IN THE MATTER OF:

CASE NO. 985

Northwestern New Mexico nomenclature case calling for  
the following creation:

(c) Creation of a new gas pool for Dakota production,  
designated as the Otero Dakota Pool, and described as:

TOWNSHIP 25 NORTH, RANGE 5 WEST

Section 22: All  
Section 23: W/2  
Section 26: NW/4  
Section 27: N/2

BEFORE:

Mr. E. S. (Johnny) Walker,  
Mr. William B. Macey.

TRANSCRIPT OF HEARING

MR. MACEY: Next case on the docket is 985.

E L V I S A. U T Z

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

D I R E C T E X A M I N A T I O N

BY MR. GURLEY:

Q You are the same Mr. Utz that just testified in the previous  
case, Case No. 999? A Yes, sir, I am.

Q State your recommendation as to the proposed recommendation  
contained in Paragraph C of Case 985.

A I recommend that this case be further continued until the  
Four Corners Geological Society can properly identify the producing

formation.

MR. MACEY: Will a one-month extension be sufficient?

We will continue the case to the February hearing.

A Next regular hearing.

MR. MACEY: Does anybody have any questions of the witness?

If not the witness may be excused.

(Witness excused.)

Does anyone have anything further to offer in this case? If not, the case is continued to the February 15 hearing.

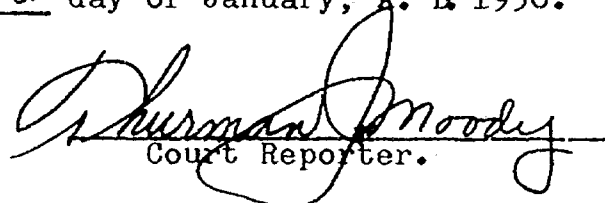
The hearing is adjourned.

\* \* \* \*

STATE OF NEW MEXICO )  
:ss  
COUNTY OF BERNALILLO )

I, THURMAN J. MOODY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the Oil Conservation Commission for the State of New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

WITNESS MY HAND, this, the 27th day of January, A. D. 1956.

  
Court Reporter.

Recommendations for Pool Extensions  
for November 16, 1955 Hearing

AZTEC PICTURED CLIFFS:

Township 29 North, Range <sup>10</sup> 8 West  
Section 33: E/2  
Section 34: W/2

Based on:

Southern Union Gas Co. No. 8 Zachry  
990/N, 990/E; Sec. 33  
IP 5856 MCFPD, SICP 636#/7 days.

Southern Union Gas Co. No. 9 Zachry  
990/S, 990/E; Sec. 33  
IP 3138 MCFPD, SICP 648#/13 days.

Southern Union Gas Co. No. 10 Zachry  
990/S, 990/W; Sec. 34  
IP 3218 MCFPD, SICP 667#/19 days.

Southern Union Gas Co. No. 7 Zachry  
975/S, 930/W; Sec. 34  
IP 4744 MCFPD, SICP 600#/10 days.

SOUTH BLANCO-PICTURED CLIFFS:

Township 26 North, Range 8 West  
Section 2: N/2

Based on:

Alfred E. McLane No. 1 Gonzales State  
1330/N, 2040/W; Sec. 2  
IP 285 MCFPD, SICP 835#/9 days.

WEST KUTZ-PICTURED CLIFFS:

Township 28 North, Range 11 West  
Section 33: SW/4

Township 27 North, Range 11 West  
Section 4: NW/4

Based on:

R & G Drilling Co. No. 7 R & G  
990/S, 990/W; Sec. 33  
IP 1000 MCFPD, SICP 530#/14 days.

*Not advised*  
*Put on Dec. 11/1955*  
Township 26 North, Range 11 West  
Section 3: S/2

Based on:

Griffith-Moore No. 1 Navajo  
990/S, 990/W; Sec. 3  
IP 112 MCFPD, SICP 431#/17 days.

-3-  
Nomenclature

Further Extensions of Gas Pools

West Kutz-Pictured Cliffs

Township 26 North, Range 11 West  
Section 3, S/2

Based on:

Griffith-Moore No. 1 Navajo  
990/S; 990/W, Sec. 3-26N-11W  
IP 112 MCFD, SICP 431#/17 days

Fulcher Kutz-Pictured Cliffs

Township 28 North, Range 10 West  
Section 7, W/2

Based on:

Southern Union Gas Company Angel #19  
990/N; 990/E Sec. 12, 28N-11W  
This well has the E/2 E/2 Section 12-  
28N-11W and the W/2 of Section 7-28N-10W  
dedicated to it by Order R-698

Recommendations for Pool Extensions and Creations  
for December 14, Regular Hearing

12 to Mesaverde *Pool*

Township 27 North, Range 9 West  
Section 3; All  
Section 4: E/2  
Section 9: NE/4  
Section 10: N/2

Based on: J. Glenn Turner #2-3. Hughes  
750/S; 2320/W, Section 3-27N-9W  
IP 216 MCFPD, SICP 1143#  
DC #219

*San Juan*

5 Canyon Largo-Pictured Cliffs *Pool*

Township 25 North, Range 7 West  
Section 5; NW/4

Township 26 North, Range 7 West  
Section 32; N/2 and SW/4

Based on: C. J. Warren #3 C. J. Warren  
790/N; 1090/W, Section 5-25N-7W  
IP 785 MCFPD, SICP 645#/7 days

*Lio Arriba*

EPNG #6 Hamilton State  
1850/N; 1850/E, Section 32-26N-7W  
IP 197 MCFPD, SICP 598#/7 days

EPNG #7 Hamilton State  
993/N; 1600/W, Section 32-26N-7W  
IP 1946 MCFPD, SICP 658#/14 days

Creation of New Dakota Gas Pools

East Companero Dakota *Pool*

Township 27 North, Range 4 West  
Section 5; SW/4  
Section 6; S/2  
Section 7; All  
Section 8; W/2

Based on:

EPNG #5 SJU 27-4  
1190/N; 1065/E, Section 7-27N-4W  
IP 4206 MCFPD, SICP 2549#/14 days

*Lio Arriba*

Largo Dakota *Pool*

Township 27 North, Range 9 West  
Section 3: SW/4 S/2  
Section 4; SE/4  
Section 9: NE/4  
Section 10: NW/4 - 1/2

Based on:

J. Glenn Turner #2-3 C. Hughes  
750/S; 2320/W, Section 3-27N-9W  
IP 524 MCFPD, SITP 2025#  
DC #219

*San Juan*

-2-  
Nomenclature

Otero Dakota *Pool*

Township 25 North, Range 5 West  
Section 22; All  
Section 23; W/2  
Section 26; NW/4  
Section 27; N/2

*Rio Arriba*

Based on:

Skelly Oil Company #1 Jicarilla "C"  
1650/S; 990/E, Section 22-25N-5W  
CAOF 9500 MCFPD, SITP 2500#/6 days  
62 bbls. distillate per 1000 MCF

New Oil Pools

Bisti Oil Pool *(Lower Gallup) Pool*

*oil Prod*  
*San Juan*

Township 25 North, Range 12 West  
Section 9; S/2 SE/4  
Section 10; SW/4 SW/4  
Section 15; W/2 NW/4  
Section 16; NE/4

Based on:

EPNG #1 Kelly State  
990/N; 1090/E, Section 16-25N-12W  
IP 180 BOPD and 100 MCFPD

South Barker (Upper Gallup) (OH) Pool

*oil Prod*  
*San Juan*

Township 31 North, Range 15 West  
Section 13; W/2 SW/4  
Section 14; SE/4  
Section 23; N/2 NE/4  
Section 24; NW/4 NW/4.

Based on:

C. M. Carroll #1 Ute  
615/S; 734/E, Section 14-31N-15W  
IP 170 BOPD, 41° gravity.

*report P*  
*San Juan*  
*depth long channel*  
*2005*

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 985  
Order No. R-739

THE APPLICATION OF THE OIL  
CONSERVATION COMMISSION  
UPON ITS OWN MOTION FOR AN  
ORDER CALLING FOR THE CREATION  
AND EXTENSION OF CERTAIN POOLS IN  
SAN JUAN AND RIO ARriba COUNTIES,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m., on December 14, 1955, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 12<sup>th</sup> day of January, 1956, the Commission, a quorum being present, having considered the testimony presented, and the exhibits received at said hearing 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 there is need for the creation of a new pool in Rio Arriba County, New Mexico, for the production of gas from the Dakota formation, said pool to bear the designation East Companero-Dakota Gas Pool. Said East Companero-Dakota Gas Pool was discovered by El Paso Natural Gas Company, San Juan 27-4 Unit #5, located in the NE/4 NE/4, Section 7, Township 27 North, Range 4 West, NMPM. It was completed September 14, 1955.

3. That there is need for the creation of a new pool in San Juan County, New Mexico, for the production of gas from the Dakota formation, said pool to bear the designation Largo-Dakota Gas Pool. Said Largo-Dakota Gas Pool was discovered by J. Glenn Turner, Christine Hughes #2-3, located in the SE/4 SW/4, Section 3, Township 27 North, Range 9 West, NMPM. It was completed April 21, 1955.

4. That there is need for the creation of a new pool in San Juan County, New Mexico, for the production of oil from the Lower Gallup formation, said pool to bear the designation Risti-Lower Gallup Pool. Said Risti-Lower Gallup Pool was discovered by El Paso Natural Gas Company, Kelly-State #1, located in the NE/4 NE/4, Section 16, Township 25 North, Range 12 West, NMPM. It was completed September 21, 1955. The top of the perforations is at 4760'.

5. That there is need for certain extensions to the Blanco Mesa-verde Pool, the Canyon Largo-Pictured Cliffs Pool, the West Kutz-Pictured Cliffs Pool and the Fulcher Kutz-Pictured Cliffs Pool, all in San Juan and/or Rio Arriba Counties, New Mexico.

6. That the subject of the creation of a new pool in Rio Arriba County, New Mexico, for the production of gas from the Dakota formation, designated and advertised as the Otero-Dakota Pool, should be deferred for further study.

7. That the subject of the creation of a new pool in San Juan County, New Mexico, for the production of oil from the Upper Gallup formation, designated and advertised as the South Barker-Upper Gallup Pool should be dismissed.

IT IS THEREFORE ORDERED:

(a) That a new pool in Rio Arriba County, New Mexico, classified as a gas pool for Dakota production, be and the same is hereby created. Said pool is hereby designated as the East Campanero-Dakota Gas Pool, consisting of the following described area:

TOWNSHIP 27 NORTH, RANGE 4 WEST, NMPM  
Section 5: SW/4  
Section 6: S/2  
Section 7: All  
Section 8: W/2

(b) That a new pool in San Juan County, New Mexico, classified as a gas pool for Dakota production be and the same is hereby created. Said pool is hereby designated as the Largo-Dakota Gas Pool, consisting of the following described area:

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPM  
Section 3: S/2  
Section 4: SE/4  
Section 9: NE/4  
Section 10: N/2

(c) That the subject of the creation of a new pool in Rio Arriba County, New Mexico, designated as the Otero-Dakota Gas Pool, be and the same is hereby deferred pending further study.

(d) That a new pool in San Juan County, New Mexico, classified as an oil pool for Lower Gallup Production, be and the same is hereby created. Said pool is hereby designated as the Bisti-Lower Gallup Pool, consisting of the following described area:

TOWNSHIP 25 NORTH, RANGE 12 WEST, NMPM  
Section 9: S/2 SE/4  
Section 10: SW/4 SW/4  
Section 15: W/2 NW/4  
Section 16: NE/4

(e) That the subject of the creation of a new pool in San Juan County, New Mexico, advertised as the South Barker-Upper Gallup Pool, be and the same is hereby dismissed.

(f) That the Blanco-Mesaverde Pool, as heretofore classified, defined and described be and the same is hereby extended to include therein:

TOWNSHIP 27 NORTH, RANGE 9 WEST, NMPM  
Section 3: All  
Section 4: E/2  
Section 9: NE/4  
Section 10: N/2

(g) That the Canyon Largo-Pictured Cliffs Pool, as heretofore classified, defined and described, be and the same is hereby extended to include therein:

TOWNSHIP 25 NORTH, RANGE 7 WEST, NMPM  
Section 5: NW/4

TOWNSHIP 26 NORTH, RANGE 7 WEST, NMPM  
Section 32: N/2 and SW/4

(h) That the West Kutz-Pictured Cliffs Pool, as heretofore classified, defined and described, be and the same is hereby extended to include therein:

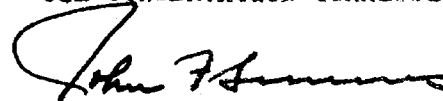
TOWNSHIP 26 NORTH, RANGE 11 WEST, NMPM  
Section 3: S/2

(i) That the Fulcher Kutz-Pictured Cliffs Pool, as heretofore classified, defined and described, be and the same is hereby extended to include therein:

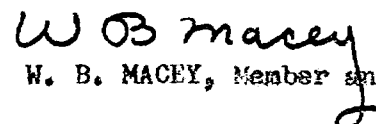
TOWNSHIP 28 NORTH, RANGE 10 WEST, NMPM  
Section 7: W/2

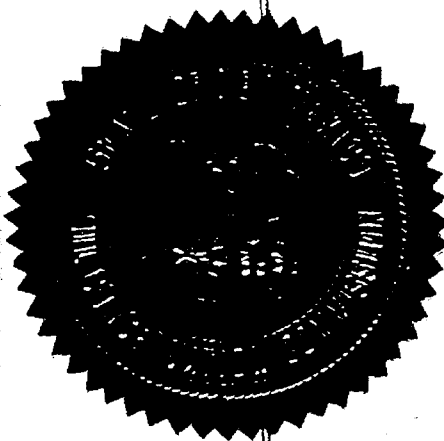
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
JOHN F. SIMMS, Chairman

  
E. S. WALKER, Member

  
W. B. MACEY, Member and Secretary



BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 985  
Order No. R-739-A

THE APPLICATION OF THE OIL  
CONSERVATION COMMISSION UPON  
ITS OWN MOTION FOR AN ORDER  
CALLING FOR THE CREATION AND  
EXTENSION OF CERTAIN POOLS IN  
SAN JUAN AND RIO ARriba COUNTIES,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on  
December 14, 1955, January 19, 1956 and February 15, 1956 at  
Santa Fe, New Mexico, before the Oil Conservation Commission of  
New Mexico, hereinafter referred to as the "Commission".

NOW, on this 14<sup>th</sup> day of March 1956, the Commission,  
a quorum being present, having considered the testimony presented  
and the exhibits received at said hearing 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 although paragraph (c) of the legal advertise-  
ment of Case No. 985 called for the creation of a new pool in Rio  
Arriba County, New Mexico, for the production of gas from the  
Dakota formation, the evidence received at said hearings indicates  
that there is need for the creation of a new pool in Rio Arriba  
County, New Mexico, for the production of gas from the Graneros  
formation, said pool to bear the designation Otero-Graneros Gas  
Pool. Said Otero-Graneros Gas Pool was discovered by Skelly Oil  
Company Jicarilla "C" No. 1, located in the NE/4 of the SE/4 of  
Section 22, Township 25 North, Range 5 West, NMPM. It was completed  
August 4, 1955. The top of the perforations is at 7,110'.

IT IS THEREFORE ORDERED:

That a new pool in Rio Arriba County, New Mexico,  
classified as a gas pool for Graneros production, be and the same  
is hereby created and designated as the Otero-Graneros Gas Pool,  
consisting of the following described area:

-2-

Order No. R-739-A

TOWNSHIP 25 NORTH, RANGE 5 WEST, NMPM  
All of Section 22;  
W/2 of Section 23;  
NW/4 of Section 26;  
N/2 of Section 27;

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*John F. Simms*

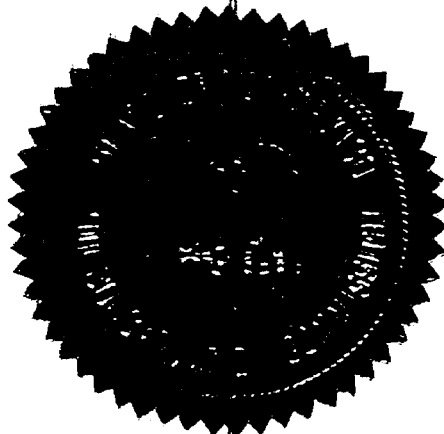
JOHN F. SIMMS, Chairman

*E. S. Walker*

E. S. WALKER, Member

*W. B. Macey*

W. B. MACEY, Member and Secretary



ir/

Recommendations for Pool Extensions and Creations  
for December 14, Regular Hearing

Case 985

Ent #1

Blanco Mesaverde

Township 27 North, Range 9 West  
Section 3; All  
Section 4: E/2  
Section 9: NE/4  
Section 10: N/2

Based on: J. Glenn Turner #2-3. Hughes  
750/S; 2320/W, Section 3-27N-9W  
IP 216 MCFPD, SICP 1143#  
DC #219

Canyon Largo-Pictured Cliffs

Township 25 North, Range 7 West  
Section 5; NW/4

Township 26 North, Range 7 West  
Section 32; N/2 and SW/4

Based on: C. J. Warren #3 C. J. Warren  
790/N; 1090/W, Section 5-25N-7W  
IP 785 MCFPD, SICP 645#/7 days  
  
EPNG #6 Hamilton State  
1850/N; 1850/E, Section 32-26N-7W  
IP 197 MCFPD, SICP 598#/7 days  
  
EPNG #7 Hamilton State  
993/N; 1600/W, Section 32-26N-7W  
IP 1946 MCFPD, SICP 658#/14 days

Creation of New Dakota Gas Pools

East Companero Dakota:

Township 27 North, Range 4 West  
Section 5; SW/4  
Section 6; S/2  
Section 7; All  
Section 8; W/2

Based on: EPNG #5 SJU 27-4  
1190/N; 1065/E, Section 7-27N-4W  
IP 4206 MCFPD, SICP 2549#/14 days

Largo Dakota

Township 27 North, Range 9 West  
Section 3; ~~SW~~4/2  
Section 4; SE/4  
Section 9; NE/4  
Section 10: ~~NW~~4/2

Based on: J. Glenn Turner #2-3 C. Hughes  
750/S; 2320/W, Section 3-27N-9W  
IP 524 MCFPD, SITP 2025#  
DC #219

Otero Dakota

Township 25 North, Range 5 West  
Section 22; All  
Section 23; W/2  
Section 26; NW/4  
Section 27; N/2

Based on:

Skelly Oil Company #1 Jicarilla "C"  
1650/S; 990/E, Section 22-25N-5W  
CAOF 9500 MCFPD, SITP 2500#/6 days  
62 bbls. distillate per 1000 MCF

GOR 1116/129  
524 bbls./1000 MCF

New Oil Pools

Bisti Oil Pool (Lower Gallup)

Township 25 North, Range 12 West  
Section 9; S/2 SE/4  
Section 10; SW/4 SW/4  
Section 15; W/2 NW/4  
Section 16; NE/4

Based on:

EPNG #1 Kelly State  
990/N; 1090/E, Section 16-25N-12W  
IP 180 BOPD and 100 MCFPD

South Barker (Upper Gallup) (Oil)

Township 31 North, Range 15 West  
Section 13; W/2 SW/4  
Section 14; SE/4  
Section 23; N/2 NE/4  
Section 24; NW/4 NW/4,

Based on:

C. M. Carroll #1 Ute  
615/S; 734/E, Section 14-31N-15W  
IP 170 BOPD, 41° gravity.

*Discontinued*

Nomenclature

Further Extensions of Gas Pools

West Kutz-Pictured Cliffs

h

Township 26 North, Range 11 West  
Section 3, S/2

Based on:

Griffith-Moore No. 1 Navajo  
990/S; 990/W, Sec. 3-26N-11W  
IP 112 MCFD, SICP 431#/17 days

Fulcher Kutz-Pictured Cliffs

i

Township 28 North, Range 10 West  
Section 7, W/2

Based on:

Southern Union Gas Company Angel #19  
990/N; 990/E Sec. 12, 28N-11W  
This well has the E/2 E/2 Section 12-  
28N-11W and the W/2 of Section 7-28N-10W  
dedicated to it by Order R-698