

BEFORE THE
OIL CONSERVATION COMMISSION
Farmington, New Mexico
March 21, 1957

* * * * *
*
IN THE MATTER OF: *
*
CASE NO. 1227 *
*
* * * * *

TRANSCRIPT OF PROCEEDINGS

NEW MEXICO OIL CONSERVATION COMMISSION

FARMINGTON CITY HALL

FARMINGTON, NEW MEXICO

REGISTERHEARING DATE MARCH 21, 1957 TIME: 10:00 a.m.

| NAME: | REPRESENTING: | LOCATION: |
|---------------------------|---------------------------------------|-----------------------------|
| Tom R. Carter | Honolulu Oil Corp. | Farmington, N.M. |
| Ben Donegan | John J. Eisner | Arlene, Texas |
| M. Krusty | Harvey Roubt Hinkle | Roswell, NM |
| S. J. Stanley | Benson-Montini Greer | Farmington, N.M. |
| M. B. Jones | John J. Eisner | |
| Chas. Price | Northwest Production Corp. | Farmington, NM. |
| A. R. Hendrich | Northwest Prod. Corp. | Farmington, NM. |
| | NMOCC | Aylee |

BEFORE THE
OIL CONSERVATION COMMISSION
Farmington, New Mexico
March 21, 1957

* * * * *

IN THE MATTER OF:

The application of John J. Eisner for an order authorizing two unorthodox well locations and three non-standard gas proration units in an undesignated Pictured Cliffs Gas Pool and the Blanco Mesaverde Gas Pool in exception to Rule 104 of the Statewide Rules and Regulations and Orders R-110 and R-128-D of the Special Rules and Regulations of the Blanco Mesaverde Gas Pool. Applicant, in the above-styled cause, seeks authorization for an unorthodox well location for its Hanson-Federal Well No. 1 to be located 990 feet from the North line and 682 feet from the West line of fractional Section 6 in an undesignated Pictured Cliffs Gas Pool; applicant further desires authorization for an unorthodox well location for its M. D. Reickhaus Well No. 1 to be located 990 feet from the North line and 700 feet from the West line of fractional Section 7 in an undesignated Pictured Cliffs Gas Pool and the Blanco Mesaverde Gas Pool; applicant further desires approval for a 165.34 non-standard gas proration unit consisting of all of fractional Section 6 in an undesignated Pictured Cliffs Gas Pool, said unit to be dedicated to its Hanson-Federal Well No. 1; applicant further desires a 170.32 acre non-standard gas proration unit consisting of all of fractional Section 7 to be dedicated to its Reickhaus Well No. 1, in an undesignated Pictured Cliffs Gas Pool, and in addition applicant desires to form a 335.66 acre non-standard gas proration unit consisting of all of fractional Sections 6 and 7 to be dedicated to its Reickhaus Well No. 1 in the Blanco Mesaverde Gas Pool; all of the above in Township 26 North, Range 2 West, Rio Arriba County, New Mexico. Said unorthodox locations and non-standard units are necessitated by the variations of legal sub-divisions in this area.

CASE NO. 1227

* * * * *

BEFORE:

Warren W. Mankin, Examiner

TRANSCRIPT OF HEARING

EXAMINER MANKIN: The next and last case on the Docket today is Case No. 1227. The application of John J. Eisner for an order authorizing two unorthodox well locations and three non-standard gas proration units in an undesignated Pictured Cliffs Gas Pool and the Blanco Mesaverde Gas Pool in exception to Rule 104 of the Statewide Rules and Regulations and Order R-110 and R-128-D of the Special Rules and Regulations of the Blanco Mesaverde Gas Pool. Do you have appearances in this case?

MR. CHRISTY: Mr. Christy of Hervey, Dow & Hinkle for Mr. Eisner, the applicant. I have two witnesses if the Commission is ready to proceed.

The two witnesses, having first been duly sworn, testified as follows:

BEN DONEGAN:

By Mr. Christy:

Q. Would you please state your name and address?

A. Ben Donegan, Albuquerque, New Mexico.

Q. What is your occupation Mr. Donegan?

A. Consulting Geologist.

Q. Have you previously testified before the New Mexico Conservation Commission?

A. No, I have not.

Q. Have you ever testified before any other Conservation Commission or a similar regulatory body?

A. Yes, I have appeared and testified several times before the Railroad Commission of Texas.

Q. Would the Commission like to have the witness qualified in view of that statement?

EXAMINER MANKIN: You have appeared before the New Mexico Commission - - - - -

A. No, The Railroad Commission - - - - -

EXAMINER MANKIN: We would like to have the qualifications of the witness.

MR. CHRISTY: Would you please state briefly your education and experience as a Geologist Mr. Donegan?

A. Yes, I studied geology at the University of Texas, Texas Technology College and ^{Stan}~~Stan~~ford University. I formerly worked with the U. S. Geological Survey, Shell, the Consulting Firm of Roscoe Simpson and Richard King. I have been consulting since 1951, working principally in West Texas and more recently in New Mexico.

Q. And about how long have you been practicing as a Consultant Geologist?

A. Six years.

Q. And how long have you lived in New Mexico?

A. Two years.

Q. Does the Commission have any questions concerning the applicant's qualifications?

EXAMINER MANKIN: The qualifications are acceptable.

MR. CHRISTY: Mr. Donegan, would you please briefly explain what your application, Mr. Eisner's application seeks? This map may be of some assistance to the Commission, I believe a copy is attached as Exhibit "C" to the application and it covers Townships 26 and 27 North, Ranges 2 and 3 West, showing in green

(Mr. Christy Continued) and yellow and with red diagonal lines the application area. Would you please explain what the application seeks, sir?

A. Yes, we propose to drill two wells, one located in the Unit I of Section 6, 990 feet from the North line and 682 feet from the West line. This location is proposed as a Pictured Cliffs Well to be drilled to a depth of approximately 3700 feet. We expect the Pictured Cliffs formation at a depth of 3600 feet. The Pictured Cliffs acreage, or the acreage that we propose to dedicate to this well for Pictured Cliffs production is all of Section 6, composed of approximately 165 acres. We also propose to drill a well in the Unit I of Section 7, to be located 990 feet from the North line and 700 feet from the West line in said Section 7. This location is proposed as a dual completion to be drilled to a depth of approximately 6200 feet. We expect the Pictured Cliffs formation at this location at a depth of approximately 3600 feet and the Mesaverde zone at a depth of approximately 5500 feet. The acreage that we propose to dedicate to the Pictured Cliffs production at this location is all of Section 7, composed of approximately 170 acres. The acreage that we propose to dedicate to the Mesaverde production at this location is all of Section 6 and 7, composed of approximately 335 acres.

Q. Now, sir, what is your total proposed depth on the well to be drilled in Section 7?

A. 6200 feet.

Q. And you stated a moment ago that the well in Section 6, I believe, was in Unit I, do you mean by that, Lot I?

A. Lot I, yes, that is my mistake.

Q. Now, did you prepare this map which you just mentioned?

A. Yes, I did.

Q. And I believe it shows the offset ownership, is that correct to the best of your knowledge?

A. Yes, it is.

Q. Now, taking such ownership, I believe to the West of the area involved in the application is all owned by Magnolia Petroleum Company under Indian Leases?

A. Correct.

Q. To the North, it is unleased Indian land?

A. Correct.

Q. Then on the East, starting at the North end, the first two sub-divisions are owned by Mr. Hanson under Federal Lease, the second two by Gulf under the Boring Lease, then the next two by Mr. Eisner under the Rueckhaus Lease, the last two are by Magnolia under a Federal Lease.

A. Correct.

Q. Then to the South, it is all owned by Magnolia under a Federal Lease?

A. Correct.

Q. So that your only offset owner, working interest owner is Gulf Oil Corporation?

A. Correct.

Q. Now, have you contacted Gulf in connection with the application, and if so, have you had a reply from them concerning it?

A. Yes, we have. This reply which I offer in evidence.

Q. You have had a reply?

A. Yes, we have.

Q. Is this the reply, this instrument you hand me?

A. Yes.

Q. Now, have there been any changes in this map since its preparation, particularly with reference to the limits of the Blanco Mesaverde Gas Pool boundaries?

A. Yes, I understand the Blanco Mesaverde Gas Pool boundaries have been extended to include Section 1, 2 and 3, 10, 11 and 12 in Township 26 North, Range 3 West.

Q. So the present boundaries are where these pencil marks is here.

A. Correct.

Q. Now, are all of the lands involved in this application within one mile of those Blanco Mesaverde Gas Pool boundaries as you previously testified have been amended to?

A. Yes.

Q. I believe I asked you before, you did prepare that map?

A. Yes.

Q. And it is true and correct to the best of your knowledge and belief?

A. Yes, it is.

MR. CHRISTY: We offer in evidence Exhibit "C" being the map previously testified to from and the letter of March 7 from Gulf Oil Corporation to Hervey, Dow, & Hinkle concerning the application, the last paragraph of which states, and I quote, "We have no objections to the application as submitted."

EXAMINER MANKIN: Do you desire to have this map presented as Exhibit "C"?

MR. CHRISTY: I believe it is Exhibit "C", sir, to the application.

EXAMINER MANKIN: For purposes of this case, do you desire to have it entered as an official exhibit or to have it made a portion of the application?

MR. CHRISTY: It should be made a portion of the application I believe, but it also should be an Exhibit because he testified to it.

EXAMINER MANKIN: Yes, We'll mark this Exhibit "C" in Case 1227.

MR. CHRISTY: Yes, sir.

EXAMINER MANKIN: Do you desire to have the Gulf letter marked as Exhibit "D"?

MR. CHRISTY: That is correct.

EXAMINER MANKIN: Is there objection to entering Exhibits "C" and "D" in this case? If not, it will be so entered.

MR. CHRISTY: I hand you two maps showing the lands involved in the application in Section 6 on one map and the lands involved in the application of Section 7 on the other map showing the distances you have previously testified to for the two locations. Are those correct to the best of your knowledge?

MR. DONEGAN: Yes, the only error is the spelling of this name.

Q. Ruekhaus?

A. It should be R-u-e-c-k-h-a-u-s.

Q. So that in the map in Section 7, the word Rueckhaus is misspelled?

A. Correct.

Q. But outside of that, these are correct?

A. Yes.

Q. And I believe they have been certified as true and correct by Ernest D. Echohawk, a registered Land Surveyor in New Mexico under Registration No. 1545 under his seal. We offer in evidence these two maps showing the proposed locations.

EXAMINER MANKIN: Which would be Exhibit "A"?

MR. CHRISTY: Let me see - - - - - "A" would be the Hanson-Federal.

EXAMINER MANKIN: "B" would be the Rueckhaus ?

MR. CHRISTY: Yes, sir.

EXAMINER MANKIN: Is there objections to entering "A" and "B" in this case? If not, it will be so entered.

MR. CHRISTY: Mr. Donegan, do you know of your own knowledge, whether or not previous applications similar to this have been made and previous orders authorizing it have been allowed by the Commission on applications of this nature for Pictured Cliffs and Mesaverde - - - - -

A. Yes, they have. Pertaining to the unorthodox Pictured Cliff Units that we propose, Case #904, which concerned unorthodox units in the Aztec-Pictured Cliffs field was approved by Order R-658. Pertaining to unorthodox Mesaverde Units, Case No. 236, which concerned unorthodox Mesaverde Units in the Blanco Mesaverde field was approved by Order R-35.

Q. That is Order R-658 on the Pictured Cliffs ?

A. That is right.

Q. Now, your application, Mr. Eisner's application has attached to it a Communitization Agreement which we notice is not executed by Mr. Hanson or Magnolia or Eisner who are the three proposed parties to the Communitization Agreement. Would you explain to the Commission whether or not that has now been approved by those parties ?

A. The Communitization and Operating Agreements have been verbally approved by all the parties concerned. Mr. Eisner and Mr. Hanson have signed it and its been forwarded to Magnolia at Dallas. We are waiting for its return.

MR. CHRISTY: I might state to the Commission that we will have that

Communitization Agreement back and fully executed, we hope, the latter part of this week, and we understand the order cannot be entered until we submit it, and I believe we can have it back. I talked to Mr. Haniean who represents Magnolia in Roswell yesterday and he assured me that it had been approved, and Hansons had signed it, - - - - - Mr. Eisner had signed it. Now, do you have any commitments concerning the wells involved in this application Mr. Donegan?

A. Yes, we do. We must commence the drilling of the No. 1 Rueckhaus and others by April 1, or lose our lease.

Q. Mr. Donegan, in your opinion - - - - -

MR. DONEGAN: April 1, 1957.

MR. CHRISTY: Excuse me, in your opinion, will the well in Section 7, being the Rueckhaus et al in the Pictured Cliffs effectively and effeciently drain the proposed area being all of Section 7, Township 26 North, Range 2 West, effectively and effeciently drain all Pictured Cliff formations from that area?

A. In my opinion, yes.

Q. I will ask you the same question with relation to the Pictured Cliff productions on your Hanson No. 1 Federal Lease with relation to all of Section 6, Township 26 North, Range 2 West?

A. Yes, in my opinion.

Q. And I will ask you the same question with relation to your proposed Mesaverde well in the Rueckhaus et al in Section 6, as pertains to all of Section 6 and 7 in 26 North, and 2 West?

A. Yes, in my opinion, that will adequately drain it properly.

Q. Will the application as prayed for in the drilling and the production on this basis tend to protect correlative rights and prevent waste?

A. Yes, in my opinion.

Q. In your opinion, will it benefit the State of New Mexico to allow such an application?

A. Yes, definitely.

Q. Does the Commission have any questions of this witness?

EXAMINER MANKIN: Well, first as counsel, I think we ought to see if you desire to amend the application because the application indicated the spelling of the name as the Reickhaus Well No. 1, to be located in Section 7, and I believe you are here today amending that to be the Rueckhaus, would you desire - - - - because it was advertised as such - - - - would you desire that the application and the advertisement reflect the proper spelling?

MR. CHRISTY: Yes, sir. I have two or three minor matters in the application itself which need amending. There are two or three misspelled words and I had planned to cover that but I will do it now if you would like it.

EXAMINER MANKIN: If you would.

MR. CHRISTY: Yes, sir. The applicant, Mr. Eisner requests that the application for the No. 1 Rueckhaus et al Well be amended as to the spelling of the name Reickhaus to correctly read "Rueckhaus." Secondly, at page two of the application, in paragraph 4, line 3, the word "s-a-l-e" should be amended to "s-c-a-l-e." Thirdly, on page 4, paragraph 6, line 4 of the application, the last word in that sentence is East and it should be West.

EXAMINER MANKIN: Those again, what was it?

MR. CHRISTY: They're right here. Clarence is got it East and it should be West, otherwise it doesn't make so much difference. We do desire and hereby ask the Commission to amend the application in those three minor respects.

EXAMINER MANKIN: Is there objections to amending the application in that respect? The only need for amendment as far as the advertisement is the spelling of the Rueckhaus name, and if there is no objection to that we will so enter that correction.

MR. CHRISTY: Thank you.

EXAMINER MANKIN: That's all you have?

MR. CHRISTY: That's all I have, unless the Commission has a question.

EXAMINER MANKIN: Yes, I have - - - - - Mr. Donegan, you indicated that there had been a recent extension of the Blanco Mesaverde Gas Pool to include the northern sections of Township 26 North, Range 3 West, I believe you will find that that extension of Blanco Mesaverde Gas Pool was held at the recent hearing which was in Case 1223 on March 14, which was approximately a week ago and all of Township 26 North, Range 3 West, was in that extension, therefore it would be even more than which you indicated.

MR. DONEGAN: I see.

EXAMINER MANKIN: I wanted to get the record clear on that particular aspect. Is there further question of the witness in this case? -- -- - Mr. Arnold - - - - -

MR. ARNOLD: Mr. Donegan, the sole reason for this application is the irregular size of Section 6 and 7 in this Township, is that correct?

A. Yes, that is correct. The irregularity in the Survey made it

necessary for us to make application for an unorthodox location and proration unit.

MR. ARNOLD: Was there any particular reason that you spaced the two wells on the two units in the way that you have?

A. Yes, there is. The initial location, the proposed dual location in Section 7 was located at a location that would conform most nearly to the regulations as was possible and in addition be near the center of our proposed Mesaverde Unit. The Pictured Cliffs location where it is proposed in the North end of Section 6 in order to conform with the spacing of the Pictured Cliffs unit in Section - - - - - Pictured Cliffs location in Section 7.

MR. ARNOLD: Lets see, this well in 7 is the No. 1 Rueckhaus?

A. This is our proposed dual completion. We have located the second well up at this spot in order to - - - - -

EXAMINER MANKIN: Identify, would you, is it in Section 6?

A. In Section 6, in order to conform with our Pictured Cliffs spacing at this proposed dual completion in Section 7.

MR. ARNOLD: Actually, the Rueckhaus well was located here because of the length of the Mesaverde unit, in order to - - - - -

A. Yes, that is true.

MR. ARNOLD: I believe thats all I have.

EXAMINER MANKIN: Mr. Donegan, originally this Rueckhaus well you had located on a Unit line, when I say a Unit line, on a Lot line, was it not?

A. Correct.

EXAMINER MANKIN: And at the suggestion of the Commission, it was changed to conform with present regulations of not closer than 130 feet to a Lot or Unit line?

A. Yes, we made that correction upon the suggestion of the Commission.

Q. And that location has now been changed, and that location is what we are here today considering?

A. Correct.

Q. For purposes of identifying these units with their unit wells, is this not the 330 acre unit for the Mesaverde to be assigned to the Rueckhaus well No. 1, is that correct?

A. Correct.

Q. Which involves all of fractional Section 6 and 7?

A. Correct.

Q. And the Rueckhaus No. 1 likewise is to be assigned for Pictured Cliffs production for all of fractional Section 7, is that correct?

A. Correct.

Q. And the Hanson-Federal Well No. 1 in fractional Section 6 for Pictured Cliffs production. That entire fractional section will be assigned to that Hanson-Federal Well No. 1?

A. Correct.

Q. In regarding the dual completion, has the applicant requested tentative approval for this dual completion from the District Office of the Oil Conservation Commission as yet?

A. No, we have not.

Q. Has the form, the Intention to Drill been submitted on the Rueckhaus Well No. 1 to the Oil Conservation Commission Offices as yet?

MR. CHRISTY: To the best of our knowledge, no. I don't believe it has because we are waiting to get the application over before - - - - trying to get the order in before we actually made our Intention to Drill - - - - -

EXAMINER MANKIN: The reason I asked, you said you had a time limit involving April 1, and I wanted to point that out, that that would be necessary, that this Hearing would not suffice for such an application. It would have to be a separate Form C-101 submitted for the Intention to Drill on this patented acreage to the local District 3 Office of the Oil Conservation Commission, you understand that?

A. Yes, I understand that.

Q. And, of course, on the Hanson-Federal Well, that would have to be to the U. S. Geological Survey at a later date, for the Hanson-Federal No. 1, you understand that also?

A. Yes, I do.

Q. And for getting approval to dually complete this well, you should likewise in conformance with a memorandum that has been put out by the Oil Conservation Commission, you should likewise submit a letter requesting tentative approval for the dual completion of the Rueckhaus No. 1, you understand that also?

A. Yes, I do.

Q. Is there further question of the witness in this case? If there is nothing further, the witness may be excused.

MR. CHRISTY: Mr. Stanley - - - - Would you please state your name, address, and occupation?

A. My name is Stanley J. Stanley, living in Farmington, New Mexico, Petroleum Engineer.

Q. Have you previously testified before the New Mexico Conservation Commission as an expert geologist?

A. Yes, sir, I have.

EXAMINER MANKIN: You say you have previously testified before the Commission?

A. Yes, sir, I have.

MR. CHRISTY: Does the Commission have any questions concerning the qualifications - - - - -

EXAMINER MANKIN: You have previously testified as an expert Petroleum Engineer, have you not, Mr. Stanley?

MR. CHRISTY: I beg your pardon, I said Geologist, Petroleum Engineer, my fault.

MR. STANLEY: Yes, sir.

EXAMINER MANKIN: His qualifications are more than acceptable.

MR. STANLEY: Thank you, Mr. Mankin.

MR. CHRISTY: Mr. Stanley, you have heard Mr. Donegan's testimony, and I believe that you have before you a copy of Exhibit "C" which has been admitted into evidence in this application. I will ask you the question as whether or not the proposed No. 1 Rueckhaus Well as to Pictured Cliff production designating the area of all of Section 6, Township 26 North, Range 2 West, will effectively and efficiently drain the Pictured Cliff production from that section?

A. Yes, sir, I believe that it will.

Q. And I will ask you the same question with respect to - - - - - I believe - - - - - excuse me - - - - - on the amended map from Section 6 to 7, I will ask you the same question with relation to the No. 1 Hanson Well in Section 6 of 26 North, 2 West, as to Pictured Cliff production in all of Section 6. Will that effectively and effeciently drain all Pictured Cliff production in that Section?

A. Yes, sir, I believe that it will.

Q. I will ask you the same question as relates the proposed Mesaverde dual well in the Rueckhaus in Section 7, will that effectively and effeciently drain Mesaverde production in both sections 6 and 7, 26 North, 2 West?

A. Yes, sir, I believe that it will.

Q. You have heard the brief summary of the application from Mr. Donegan's testimony, in your opinion, would the allowance of such an application, that is the allocation of the two pictured cliffs areas and the allocation of the Mesaverde area, and the location of the wells, will they tend to protect the correlative rights of parties and promote conservation of gas and prevent waste?

A. Yes, sir. I believe that they will protect the correlative rights and prevent waste.

Q. Will they also tend to benefit the State of New Mexico?

A. Yes, sir. I believe that it will.

Q. Now, in connection with the proposed dualing of the Rueckhaus Well, and assuming that the well is drilled and completed in conformity with good oil field practices in the area and in compliance with all rules and regulations of the

New Mexico Conservation Commission, can such a well in Section 7 be dualled for both Mesaverde and Pictured Cliffs formations without the commingling of the gas formations ?

A. Yes, sir. That is a generalized practice throughout the basin and recognized by the Commission and the Industry.

Q. Would it tend towards economic development and therefore benefit the state by allowance of such dualing ?

A. Yes, sir. It will.

Q. Is there anything else I have not asked you that you feel would be pertinent to this application and the Commission should be advised concerning ?

A. No, sir.

Q. Does the Commission have any questions ?

EXAMINER MANKIN: No questions of myself - - - - -

MR. ARNOLD: I'd like to ask Stan one question. Just to get into the record a point or two on Mesaverde drainage, what will be the approximate length of the Mesaverde proration unit ?

A. Well, sir, we tried to encompass the 320 acre spacing in accordance with the Oil Conservation Commission rules and due to the unorthodox survey location of the township and range in this particular fact, we may seek a little more than 320 acres due to the boundary surveys.

MR. ARNOLD: But if you consider radial drainage around that Mesaverde well and you state that that well would drain all the gas from that acreage, actually you are saying that one well would drain four sections, is'nt that right ?

A. No, not exactly four sections in the radial drainage, but I believe that a Mesaverde well will drain in excess of 320 acres.

MR. ARNOLD: Actually, probably what will happen is that there will be counter drainage of one kind or another in the area so that the rights will be protected - - - - -

A. Yes, sir. I believe you are right Mr. Arnold, I - - - - -

MR. ARNOLD: The reason I bring up the point is I don't believe that it should go uncontested into the record that that well would necessarily drain all the gas from under that unit as the unit is set up.

A. No, sir. Nature does not allow for drainage under that particular area. I feel that a Mesaverde well would drain in excess of 320 acres, but due to development that John J. Eisner will probably counteract his drainage by offset operations due to development and in such case protect his correlative rights will suffice in this drainage.

MR. ARNOLD: At any rate, it is almost impossible to establish any other shaped Mesaverde unit in that case without disturbing the spacing pattern in the whole area, isn't that correct?

A. That is correct. We seek an acreage drainage factor here, but due to development, I believe the counter drainage will go ahead and protect correlative rights and John J. Eisner, I actually feel, has a right to drill upon his acreage.

MR. ARNOLD: Thats all.

EXAMINER MANKIN: Is there further question of the witness? If not the witness may be excused. Is there further statements to be made in this case?


MR. CHRISTY: As I stated before, we will try to have the Communitization Agreement signed and in your office within the next few days. It is in Dallas now, being signed, that is all the applicant has.

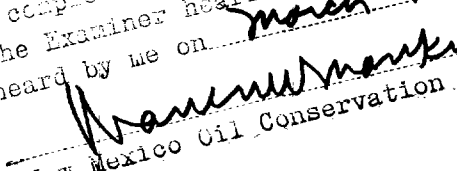
EXAMINER MANKIN: If there is nothing further, we will take the case under advisement and the Hearing is adjourned.

STATE OF NEW MEXICO)
 : ss
COUNTY OF SANTA FE)

I, Doris Arnold, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Commission Examiner at Farmington, New Mexico, is a true and correct record, to the best of my knowledge, skill and ability.

Dated at Santa Fe, New Mexico, this 10th day of May, 1957.


Doris Arnold

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1227 heard by me on March 21, 1957.

Emanuel Markin, Examiner
New Mexico Oil Conservation Commission