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1531

Application, Transcript, Small Exhibits, Etc.



BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

IN THE MATTER OF:

Case No. 1531

TRANSCRIPT OF HEARING

October 22, 1958

DEARNLEY - MEIER & ASSOCIATES GENERAL LAW REPORTERS ALBUQUERQUE NEW MEXICO Phone Climpel 3-6491

:Case 1531

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

IN THE MATTER OF:

Application of Rice Engineering & Operating, Inc.: for an order authorizing a salt water disposal : well. Applicant, in the above-styled cause, : seeks an order authorizing the disposal of produced salt water through Amerada Petroleum Corporation's Adkins Well No. 2, located 990 : feet from the South line and 330 feet from the : West line of Section 5, Township 20 South, Range : 37 East, Lea County, New Mexico. Applicant proposes to inject the produced salt water into the : San Andres formation in the interval from 4490 : to 4950 feet.

Mabry Hall Santa Fe, New Mexico October 22, 1958

BEFORE:

Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: The hearing will come to order, please.

The next case on the docket will be Case 1531.

MR. PAYNE: Case 1531, "Application of Rice Engineering & Operating, Inc., for an order authorizing a salt water disposal well."

MR. KELLAHIN: Jason Kellahin from Kellahin and Fox, Santa Fe, appearing for the applicant. We have one witness, Mr. Abbott, who was sworn in the other case. Do you want to swear him again?

MR. PAYNE: That's all right.

W. G. ABBOTT

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

- Q Would you state your name, please?
- A W. G. Abbott.
- Q You are the same Mr. Abbott who testified in Case 1530 and sworn --
 - A Yes, sir.
 - Q In that case?
 - A Yes, sir.
- Q Mr. Abbott, are you familiar with the application in Case 1531?
- A Yes sir, I am. This application is for the purpose of getting approval from the Commission to recomplete an Amerada Blinebry well to a salt water disposal well. This well was temporarily abandoned by Amerada in September of 1956. This will also be a disposal well in the San Andres zone and it is up in the Monument area.
- Q Referring to what has been marked as Exhibit A, would you state what that is?
- A Exhibit A is a plat of this immediate area surrounding the Adkins, Amerada Adkins Number 2. There is also a half a mile radius circle drawn around this well and then the wells in this

half mile radius are marked by a key on this exhibit showing the producing zone and also there is a cross section, AA prime, marked on this exhibit, which will be described later.

- Q Now, on that exhibit, it indicates other wells in the Grayburg and San Andres formation, does it not?
 - A Yes sir, it does.
- Q The plat likewise shows the lease ownership in the area involved?
 - A Yes.
- O. Now, you referred to the Adkins Well Number 2. Is that the subject well which you propose to convert into a salt water dispesal well?
- A Yes sir, that is the well we propose to make into a salt water disposal well.
- Q Now, referring to Exhibit B, would you state what that shows?
- A Exhibit B is a diagramatic sketch of the casing program in this Adkins Number 2 and also a side of the well bore is pictured and a gamma ray resistivity log of this well is also shown and the proposed zone that we intend to perforate in this well to make a salt water disposal well.
- Q Now, that exhibit would seem to indicate a rather unusual casing situation. Can you give something of the history of this well?

A Yes sir, this well was drilled by Amerada. It was

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Q Now, are you familiar with the cementing program on that casing?

A Yes, I am. On the thirteen and three eighths, they used 225 sacks and that was circulated.

Q Circulated to the surface?

A Yes, sir. Then on the nine and five eighths, they used 2,000 sacks and the top of the cement is at 1,096. That was by a temperature survey, and then in the seven-inch, they used 300 sacks of cement which brought the cement back to 1440 on the outside of the seven-inch and then set the liner and used-let's see, 160 sacks of cement around the bottom of the liner and then they squeezed about 740 sacks in at the top of the liner between the top of the liner and the seven-inch casing, so we feel that it is an adequate cementing program and that the San Andres

zone is very well protected.

Q In your opinion, would the type of completion made in this well be adequate to protect any fresh water zones that might be encountered?

A Yes, sir.

Q Now, do you propose to make any tests of the well prior to converting it to salt water disposal?

A Well, we plan to test the top of the liner, pressure test that with 2,000 pounds pressure before we perforate the liner

Q Then what type of completion do you expect to make in the well for salt water disposal purposes?

A It will be a perforated completion well, perforate this liner and acidize it.

Q And setting a bridge plug at five thousand feet?

A We will set the bridge plug at five thousand feet.

Q Referring to what has been marked as Exhibit C, would you state what that shows?

A Exhibit C is a cross section, more or less a completion cross section. It is marked AA prime on Exhibit A showing the wells surrounding this Adkins 2 within a half mile radius and other cross sections AA prime. The Grayburg-San Andres wells are shown in blue, the Monument-Paddock wells are shown in red, the completion interval and the Monument-Blinebry wells are shown in green, our proposed salt water disposal zone is in yellow.

Q Now, that exhibit indicates wells producing from the

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Grayburg-San Andres formation, does it not?

A Yes sir, those two wells. The Ohio Barber Number 6 is shown on this cross section and also the Amerada Adkins Number 1.

Q How does the disposal interval compare to the producing interval in those other wells?

A Well, the disposal interval is approximately about five hundred feet below the lowest producing interval in the San Andres formation.

Q In your opinion, will the use of this zone as a disposal interval cause any contamination to any producing zones in the area --

- A No, sir.
- Q That are above or below?
- A No. Well --
- Q Is there any danger of communication to the lower intervals?

A No sir, the lowest interval in the disposal will still be approximately over two hundred feet above the top of the Paddock zone.

- Q In your opinion, is there effective separation between the two zones?
 - A Yes, sir.
- Q Referring to what has been marked as Exhibit D, would you state what that shows?

A Exhibit D shows all of the wells in this half mile radius surrounding the Adkins Number 2 Well. It shows the operator and the lease, well number and the completion interval and the completion zone, and then it shows some dual completions and gas wells in that area also.

- Q That indicates that Amerada has producing wells from the Grayburg-San Andres near by the disposal well, does it not?
 - A Yes sir, their Adkins Number 1 is the closest well.
- Q And in spite of that, they have agreed to the use of this well as a disposal well?
- A Yes sir, they feel that there will be no danger of communication between the Adkins 2 and the Adkins 1 wells.
- Q Now, referring to what has been marked Exhibit E, would you state what that is?
- A Exhibit E is a list of the operators with addresses that are in the Eunice-Monument-Eumont SWD System.
- Q And again, Rice Engineering is the operator of the disposal system, is that correct?
 - A Yes, sir.
- Q Referring to what has been marked as Exhibit F, would you state what that is?
- A Exhibit F is an agreement between Amerada Petroleum Corporation and Rice Engineering setting out certain stipulations in this Adkins 2 as to the sum of money that Rice will pay Amerada for this well, and also agreeing that this well will be

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turned over to the Eunice-Monument-Eumont Salt Water Disposal System.

- Q Now, what volumes of water do you propose to dispose of in this well?
- A In this well, because of that five-inch liner, we expect to get approximately 12,000 barrels a day in that well.
 - Q What is the source of this water?
- A It will be the Monument pay, the Monument-Blinebry, Monument-Paddock and there may be some Eumont wells that the water will go to this well.
 - Q Has there any analysis been made of this water?
 - A Yes, sir.
 - Q Is any of it potable water?
 - A No sir, it is not.
 - Q In your opinion, Mr. Abbott, is the formation you propose to use for salt water disposal sufficiently -- of sufficient permeability and porosity to handle the volume of water contemplated?
 - A Yes, sir.
 - Q And is it necessary, in your opinion, to dispose of this water in the interests of conservation and prevention of waste?
 - A Yes sir, it is.
 - MR. KELLAHIN: At this time, we would like to offer in evidence Exhibits A through F inclusive.

MR. UNZ: Without objection, they will be received.

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MR. KELIAHIN: That's all the questions we have, Mr.

Examiner.

MR. UTZ: Are there questions of the witness?

MR. FISCHER: Yes, sir.

MR. UTZ: Mr. Fischer?

CROSS EXAMINATION

BY MR. FISCHER:

Q Mr. Abbott, are you going to inject tubing in this Well?

A Yes sir, we will. We will have to run a smaller tubing smaller string of tubing in the liner, but it will be a large size tubing string up in the seven-inch.

- Q That will taper on your string?
- A Yes, sir.
- Q What size do you think that the bottom of that tubing will be?

A It will either be two and a half inch upset tubing or three-inch erect tubing.

Q Do you anticipate that you could put it in under gravity?

A Yes sir, it will be under gravity.

MR. FISCHER: That's all.

MR. UTZ: Any other questions of the witness?

MR. IRBY: Yes, sir.

MR. UTZ: Mr. Irby?

MR. IRBY: Frank Irby, State Eng neer's Office.

CROSS EXAMINATION

BY MR. IRBY:

- Q Mr. Abbott, I note that in that interval between the bottom of the thirteen and three eighths and the bottom of the nine and five eighths, you have a section of roughly a thousand feet in there which has no cement behind the nine and five eighths?
 - A Yes, sir.
- Q Is there anything between the seven-inch and the nine and five eighths in that thousand-foot interval?

A No, you will have your--of course, in the completed disposal well, you will have the injection tubing, you will have the seven-inch and nine and five eighths in that interval, but it was not indicated that the cement came up between or around that nine and five eighths in that interval.

- Q Will this tubing be such that the annulus outside the tubing be filled with oil as in the previous case?
 - A Yes sir, it will.
- Q Was there any fresh water encountered in this thousand-foot interval?

A No sir, the bottom of the fresh water is approximately two hundred feet in that area.

- Q There was no water found in the so-called Santa Rosa?
- A No, not to my knowledge. In that Santa Rosa, in that area, we just don't know if it is potable. It may be brackish, we

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Q Is it your opinion that the tubing, the wil in the annulus around the tubing, the seven-inch and nine and five eighths inch casings, will be adequate protection to any fresh water that might exist in that thousand-foot interval?

A Yes sir, we feel that that will be very adequate protection.

Q And do you have means of determining if there is a leak through from your salt water tubing in that thousand-foot interval

A Yes sir, we will keep a pressure gauge and recordings on the annular space and we will take periodic readings of that pressure and with that method, we can determine if there are any leaks in the tubing string.

Q Now, in the event a leak is found there, what takes place?

A Well, if a leak is found in the casing, the pressure will drop and we will be able to know that we have a leak in that tubing or casing.

Q What is done about reporting this to the Oil Conservation Commission or toward the repairs of any leak that occurs?

A Well, we will repair any leaks immediately.

Q You are not required to make any report on it?

A No sir, I don't believe so.

MR. IRBY: Thank you.

CROSS EXAMINATION

BY MR. UTZ:

- Q Mr. Abbott, wouldn't you be required to report any repair work on your C-103?
- A Yes sir, before we did the work, we would have to report it on the C-103 and after we have done the work, report it on the C-102.
 - Q The other way around.
 - A 102 and 103, yes sir.
- Q Mr. Abbott, when was this well completed? In other words, how is the casing?
- A That well was completed November 17, 1952. It is a fairly new well in that area.
 - Q Have you done any work on the well so far?
 - A No sir, we have not.
- Q Do you intend to test this casing before you start injecting water down?
 - A Yes sir, that is right.
 - Q What will be the nature of the test?
- A We will set the bridge plug at around five thousand feet and then pressure test the casing to at least two thousand pounds to see if there is any drop in pressure and then we will perforate the well.
- Q During the process of injection, will there be pressures in excess of two thousand pounds?

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- A No sir, not at the --
- Q Surface?

A Not at the surface, no. We plan no gravity of the water in the well.

- Q I believe you stated that in your opinion there was no danger of contamination of the oil producing zones either below or above this formation, did you not?
 - A No sir, we feel that they are well protected.
 - Q What would be the interval of injection from the well surface, is it 4490 and 4560?
 - A I have it written down some place. The zones we plan to perforate are 4490 to 4560, 4600 to 4715, 4750 to 4795, 4825 to 4950.
 - MR. UTZ: Any other questions of the witness?

MR. FISCHER: Yes.

CROSS EXAMINATION

BY MR. FISCHER:

- Q Will your tubing in the well be lined?
- A We plan to either cement line that tubing or have a plastic lining.

MR. FISCHER: That's all.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Abbott, any corrosion that might be taking place in this casing now, do you think that the sweet oil in the annulus

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- A Yes sir, it will stop it.
- Q And it will protect it from then on?
- A Yes, sir.
- MR. UTZ: Any other questions of the witness?
- (No response).
- MR. UTZ: if not, the witness may be excused.

(Witness excused).

- MR. UTZ: Any other statements in this case?
- (No response).
- MR. UTZ: If there are none, the case will be taken under advisement.

STATE OF NEW MEXICO)

I, JERRY MARTINEZ, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the COUNTY OF BERNALILLO) foregoing and attached Transcript, of Hearing 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 24th day of October, 1958, in the City of Albuquerque, County of Bernalillo, State of New

Mexico.

Notary

My Commission Expires: January 24, 1962

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

November 11, 1958

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

Dear Mr. Kellahin:

On behalf of your client, Rice Engineering & Operating, Inc., we enclose two copies of Order R-1277 issued November 5, 1958, by the Oil Conservation Commission in Case 1531, which was heard on October 22nd at Santa Fe before an examiner.

Very truly yours,

A. L. Porter, Jr. Secretary - Director

bp Encls.

DEFORE THE OIL COMPERVATION COMMISSION OF THE STATE OF MEN MEXICO

IN THE MATTRE OF THE REARING CALLED BY THE OIL COMBENVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 1531 Order No. R-1277

APPLICATION OF RICE ENGINEERING & OPERATING, INC., FOR AN ONDER AUTHORIZING A SALT WATER DISPOSAL WELL IN SECTION 5, TOWNSHIP 20 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. ca October 22, 1958, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

MOV, on this day of Hovember, 1958, the Commission, a querum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Elvis A. Uts, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Rice Engineering & Operating, Inc., seeks an order authorizing the disposal of produced salt water into the San Andres formation through the Adkins Well No. 2, located 990 feet from the South line and 330 feet from the West line of Section 5, Township 20 South, Range 37 East, EMPM, Loa County, New Maxico, with the proposed injection some from 4490 feet to 4850 feet.
- (3) That the casing in said Adkins Well No. 2 should be pressure tested under 2,000 psi surface pressure prior to utilization of said well as a disposal well.
- (4) That disposal should be through tubing and the casing-tubing assulus should be filled with "sweet" oil PG a protective measure.

+2-Case No. 1531 Order No. R-1277

(5) That approval of the subject application is in the interest of conservation.

IT IS THEREFORE OFFERED:

(1) That the applicant, Rice Engineering & Operating, Inc., be and the same is hereby authorized to dispose of produced salt water into the Sam Andres formation through the Adkins Well No. 2, located 996 feet from the South line and 330 feet from the West line of Section 5, Township 20 South, Range 37 East, HMPM, Lea County, New Mexico, with the injection more from 4490 feet to 4250 feet;

PROVIDED MOVEVER, That disposal shall be through tubing and that the casing-tubing annulus shall be kept full of 'wwest' oil to prevent corresion, and

PROVIDED FURTHER, That the casing in said Adkins Well No. 2 shall be pressure toxical under 2,000 psi surface pressure and the results of such test approved by the Commission prior to utilization of said well as a disposal well.

(2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1119 of the Commission's Rules and Regulations.

DOWE at Santa Pe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

EDWIN L. MECHEN. Chairman

MURRAY E. MORGAN, Member

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

OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

Date 10-24-58

My recommendations for an order in the above numbered case (s) are

1. Expressed Rice Eng. & Operating, Im. request for Sul Devell Rnown as the Amerada-Addina

2, \$90/5, 330/w lines acc. 5 - 205-37E.

2. Caring half be tested under 2000 per authority authority for the Commission before the well is utilized as an 5 wD well.

3. The well shall be tubel and smeet ail will be put in the annular pare as a consistent inhibitor.

Staff Member

RICE Engineering & Operating, Snc.

Post Office Box 1142

Telephone Express 3-9174

HOBBS, NEW MEXICO

POST OFFICE GOC

AND OFFICE GOC

MAN OF

September 10, 1958

New Mexico Oil Conservation Commission P. O. Box 871 Santa Fe, New Mexico

Re: Rule 701. Permit for Injection of Water (Salt Water Disposal)

Gentlemen:

Rice Engineering & Operating, Inc., of Hobbs, New Mexico, hereby applies for a hearing to be held before the New Mexico Oil Conservation Commission for the purpose of securing a permit under Rule 701 to dispose of salt water in the Amerada Petroleum Corporation Adkins No. 2 Well, Monument Field, Lea County, New Mexico.

Rice Engineering & Operating, Inc. further deposes and states the following:

- A. That said well located 330 feet from west line and 990 feet from south line of Section 5, Township 20 South, Range 37 East, N.M.P.M., was drilled and completed November 23, 1952, in the Monument Blinebry Pool by Amerada Petroleum Corporation. (See Exhibit "A")
- B. That said well was temporarily abandoned by Amerada Petroleum Corporation September 20, 1956.
- C. That said well by agreement between Rice Engineering & Operating, Inc., and Amerada Petroleum Corporation shall be utilized by the Eunice - Monument - Eumont Salt Water Disposal System as a disposal well.
- D. That said well has 13 3/8 inch OD casing set at 297 feet, 9 5/8 inch OD casing set at 2388 feet. 7 inch OD casing set at 3710 feet, and a 5 inch OD liner set at 5665 feet with the top of liner at 3661 feet. (See Exhibit "B")

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N.M.O.C.C.

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September 10, 1958

- E. That said well casing shall be pressure tested with 2000 psi before casing is perforated.
- F. That said well shall be completed as a disposal well in the lower San Andres zone by setting bridge plug in 5 inch liner at 5000 feet and perforating liner in the interval from 4490 to 4950 feet.
- G. That the salt water to be injected is produced in the Monument area from the Monument, Monument Paddock, and Monument Blinebry Pools.
- H. That the volume of salt water to be disposed shall be approximately 12,000 barrels per day.

Therefore, Rice Engineering & Operating, Inc. requests that the Secretary of the New Mexico Oil Conservation Commission set a date for this application to be heard, and after said hearing to grant this permit to dispose of salt water in the Amerada Adkins No. 2 Well.

Respectfully submitted,

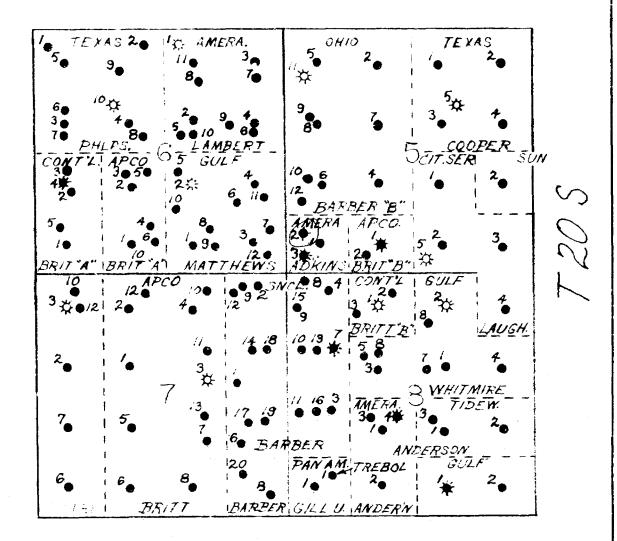
RICE ENGINEERING & OPERATING, INC.

W. G. ABBOTT Division Manager

WGA/js

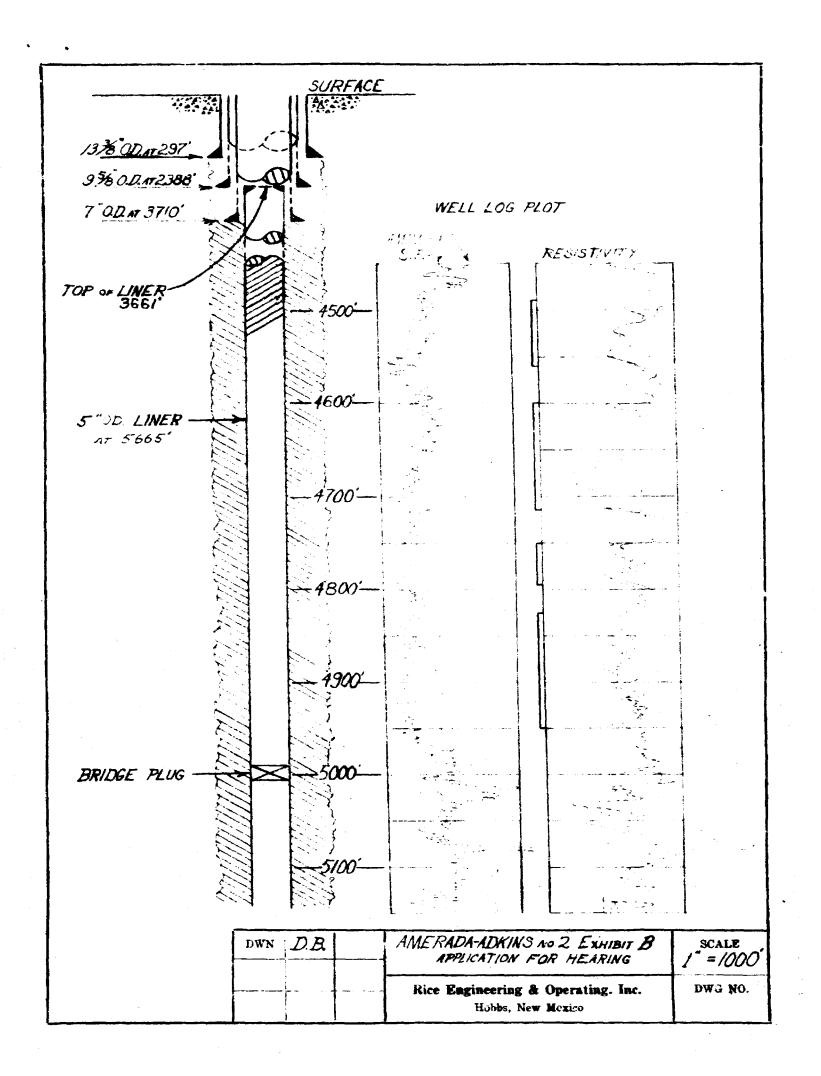
Attachments: Exhibit "A"

Exhibit "B"



R 37 E

DWN D.B.	AMERADA ADKINS NO.2 EXHIBIT A APPLICATION FOR HEARING	SCALE
	Rice Engineering & Operating, Inc. Hobbs, New Mexico	DWG NO.





DOCKET: EXAMINER HEARING OCTOBER 22, 1958

Oil Conservation Commission 9 a.m. Mabry Hall, State Capitol, Santa Fe

The following cases will be heard before Elvis A. Uts, Examiner:

Application of Humble Oil & Refining Company for the amendment of a unit agreement. Applicant, in the above-styled cause, seeks an order amending the South Four Lakes Unit Agreement approved by Order 8-710 to enlarge the unit area to include the N/2 SW/4 of Section 1, Township 12 South, Range 34 East, Lea County, New Mexico

Application of Tennessee Gas Transmission Company for permission to commingle the oil produced from two separate eil poels. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the oil produced from its State A. A. Kemnitz "B" Well No. 5, located in the SW/4 NW/4 of Section 25, Township 16 South, Range 33 East, Lea County, New Mexice, from the Kemnitz-Wolfcamp Pool and an undesignated Pennsylvanian (Cisco) pool. Applicant proposes to separately meter the production from each zone prior to commingling.

CASE 1528: Application of Tennessee Gas Transmission Company to commingle the production from two separate oil pools from three of its state leases. Applicant, in the above-styled cause, seeks an order authorising it to commingle the oil produced from the Kemnitz-Wolfcamp and Kemnitz-Cisco Pools from the wells on its State "B", State "C" and State "D" Leases located in Sections 21 and 28, Township 16 South, Range 34 East, Lea County, New Mexico.

CASE 1529:

Application of Kersey & Company for permission to commingle production from two separate oil pools. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from the Grayburg-Jackson Pool and the Fren Pool from two wells located on the SE/4 SW/4 of Section 16, Township 17 South, Range 31 East, Eddy County, New Mexico. Applicant does not propose to meter the production from each pool.

Application of Rice Engineering & Operating, Inc. for an order authorizing a salt water disposal well. Applicant, in the above-styled cause, seeks an order authorizing the disposal of produced salt water through its E-M-E SWD Well No. A-32 to be located 1320 feet from the North and East lines of Section 32, Township 21 South, Range 36 East, Lea County, New Mexico. Applicant proposes to inject the produced salt water into the San Andres formation in the interval from 4250 feet to 4600 feet.

-2-Docket No. 28-58

CASE 1531:

Application of Rice Engineering & Operating, Inc. for an order authorizing a salt water disposal well. Applicant, in the above-styled cause, seeks an order authorizing the disposal of produced salt water through Amerada Petroleum Corporation's Adkins Well No. 2, located 990 feet from the South line and 330 feet from the West line of Section 5, Township 20 South, Range 37 East, Lea County, New Mexico. Applicant proposes to inject the produced salt water into the San Andres formation in the interval from 4490 feet to 4950 feet.

CASE 1532:

Application of Sunray Mid-Continent Oil Company for an order authorizing a salt water disposal well. Applicant, in the above-styled cause, *eeks an order authorizing the disposal of produced salt water through its Hobbs "G" Well No. 1, located 1980 feet from the North and West lines of Section 36, Township 9 South, Range 33 East, Lea County, New Mexico. Applicant proposes to inject the produced salt water through the well bore into the Pennsylvanian formation in the interval from 9834 feet to 9865 feet.

CASE 1533:

Application of El Paso Natural Gas Products Company for a dual completion. Applicant, in the above-styled cause, seeks an order authorizing it to dually complete its Frontier No. 1-B Well, located 890 feet from the South line and 890 feet from the East line of Section 9, Township 27 North, Range 11 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of gas from an undesignated Dakota gas pool through parallel strings of tubing.

CASE 1534:

Application of Zapata Petroleum Corporation for permission to commingle production from nine non-contiguous state leases. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from nine separate state leases in the Vacuum Pool, all in Townships 17 and 18 South, Range 35 East, Lea County, New Mexico.

CASE 1535:

Application of Carper Drilling Company for permission to commingle the oil produced from two separate eil peols. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from three wells completed in the Corbin Pool and one well completed in the Maljamar Pool, all on its Wyatt lease in Sections 33 and 34, Township 17 South, Range 33 East, and Section 5, Township 18 South, Range 33 East, Lea County, New Mexico, and to ascertain the production from each well by means of periodic tests.

CASE 1536:

Application of Shell Oil Company for permission to commingle the oil produced from four separate leases. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from four separate state leases in Sections 8 and 9, Township 16 South, Range 34 East, Hume-Queen Pool, Lea County, New Mexico. -3-Docket No. 28-58

CASE 1537:

Application of Pure Oil Company for a dual completion. Applicant, in the above-styled cause, seeks an order authorizing it to dually complete its South Vacuum Unit No. 2-35 Well, located 1980 feet from the South line and 660 feet from the East line of Section 35, Tewnship 10 South, Range 35 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the South Vacuum-Devonian Pool and gas from an undesignated McKee gas pool through parallel strings of tubing.

CASE 1538:

Application of Aztec Oil & Gas Company for the assignment of minimum allowables to certain gas wells in the Fulcher Kutz-Pictured Cliffs Gas Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order assigning minimum allowables to the following described gas wells in the Fulcher Kutz-Pictured Cliffs Gas Pool in order to prevent premature abandonment of said wells:

Commens No. 3 and No. 4 Wells, both in Section 20, Township 29 North, Range 11 West;
Hart No. 1 Well, Section 11, Township 29 North, Range 12 West;
Holder No. 1 Well, Section 29, Township 30 North, Range 12
West;
Cornell No. 3 and No. 4 Wells, both in Section 12, Township 29 North, Range 12 West;

all in San Juan County, New Mexico.

CASE 1539:

Application of T. J. Sivley for an exception to the casing requirements for the potash-oil area in Eddy and Lea Counties, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing an exception to the casing requirements for the potash-oil area as set forth in Order R-111-A for its Federal-Silver No. 1, an exploratory well to be located 1980 feet from the South and East lines of Section 23, Town-20 South, Range 34 East, Lea County, New Mexico. Applicant proposes to drill with cable tools to the Yates formation. The casing program of applicant is as follows:

13-3/8" Casing in top of red bed at approximately 70 feet.

10-3/4" Casing as cave string to about 700 feet.

8-5/8" Casing, this being the water shutoff string to approximately 1250', but in any event below water.

5-1/2" Casing to be set at a point selected by operator above pay zone expected to be encountered at 3625', but in no event to exceed a depth greater than 600 feet below the base of salt.

That the applicant should be permitted to pull all casing except the 5-1/2" production string in the event that commercial oil or gas is found.

-4-Docket No. 28-58

CASE 1540:

Application of E. P. Campbell for an exception to Rule 505 of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order granting an exception to Rule 505 of the Commission Rules and Regulations and assigning an allowable proportional factor of 1.33 for the oil pool in the Abo formation discovered by applicant's Cockerham No. 1 Well, NE/4 NE/4 Section 34, Township 18 South, Range 26 East, Eddy County, New Mexico, even though the depth of the casing shoe is 4205 feet. The top of the Abo pay is at approximately 5280 feet in the above-described well.

CONTINUED CASE

CASE 1516:

Application of El Paso Natural Gas Company for two nonstandard gas proration units and for the approval of one unerthedex gas well location. Applicant, in the abovestyled cause, seeks an order establishing a 120-acre nonstandard gas proration unit in the Jalmat Gas Pool consisting of the N/2 SW/4 and the SW/4 SW/4 of Section 4, Township 25 South, Range 37 East, said unit to be dedicated to the applicant's Wells Federal No. 3 Well located 1980 feet from the South and West lines of said Section 4. Applicant further seeks the establishment of a 200-acre non-standard gas proration unit in the Jaluat Gas Pool consisting of the SE/4 SW/4 of Section 4 and the NW/4 of Section 9, Township 25 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the applicant's Wells Federal No. 11 Well located 430 feet from the South line and 2317 feet from the West line of said Section 4. Applicant further seeks approval of the unorthodox gas well location of the said Wells Federal No. 11 Well.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

og cime shown in the date line on domestic selegrams is STANDARD TIME at point of origin. Tim

LA018 DC022

MDA028 PD=MIDLAND TEX 21 925AMC= NEW MEXICO OIL CONSERVATION COMM=

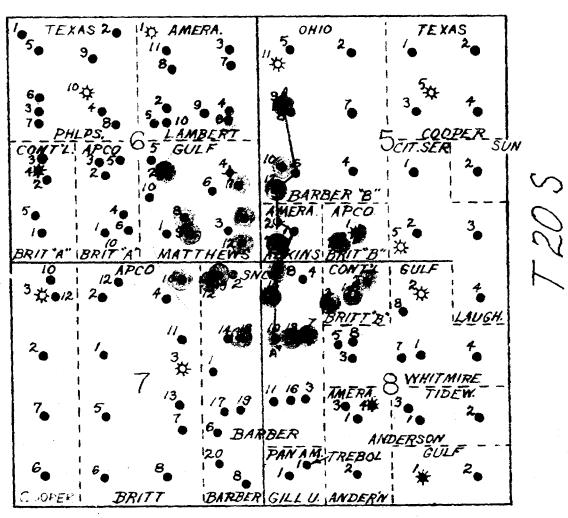
Carl (53)

ELVIA A UTZ EXAMINER SANTA FE NMEX=

AMERADA CONCURS WITH RICE IN CASE 1531 AND URGES THE COMMISSION TO AUTHORIZE SALT WATER DISPOSAL IN ADKINS #2= AMERADA PET CORP BY O C MCBRYDE JR=

81:6 M IS 100 8561

NAIN OFFICE OCC



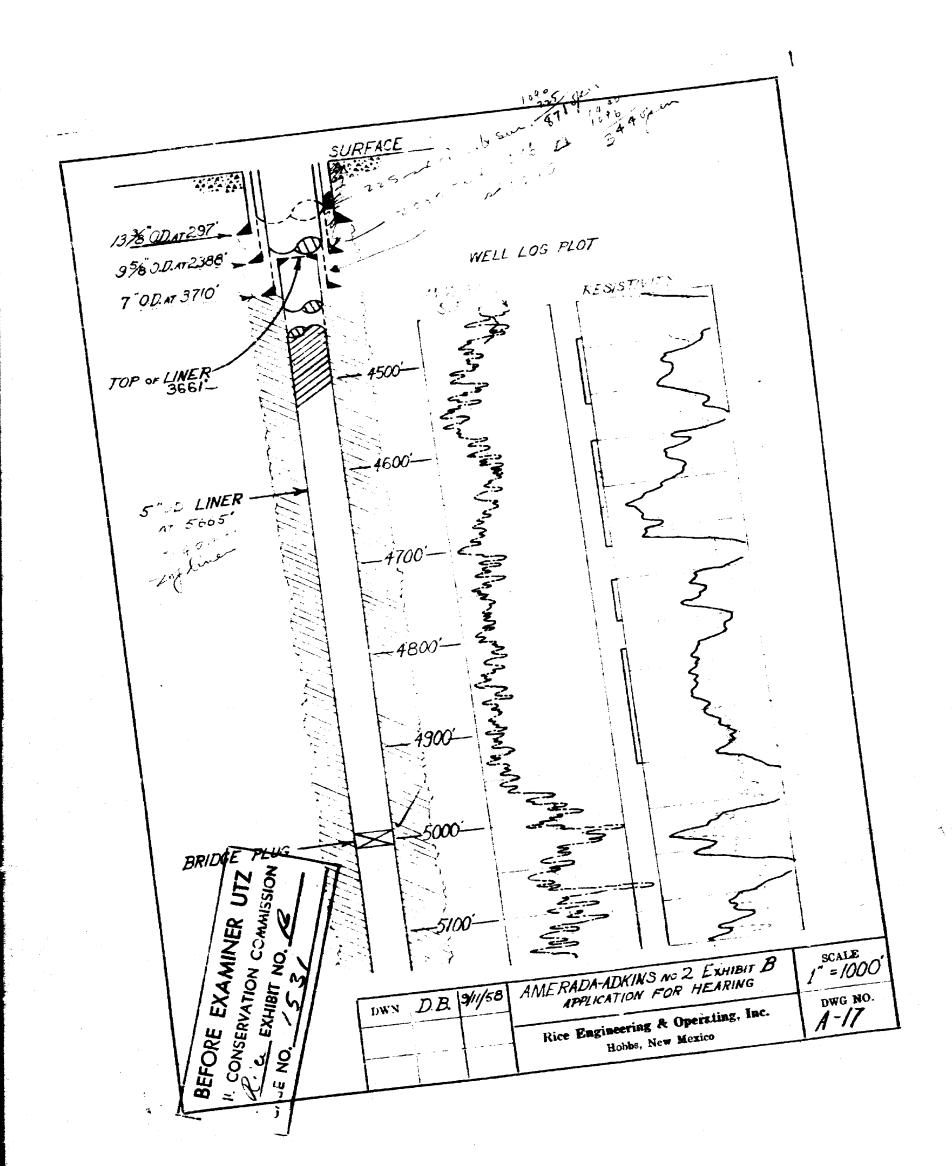
KEY TO PRODUCING ZONES

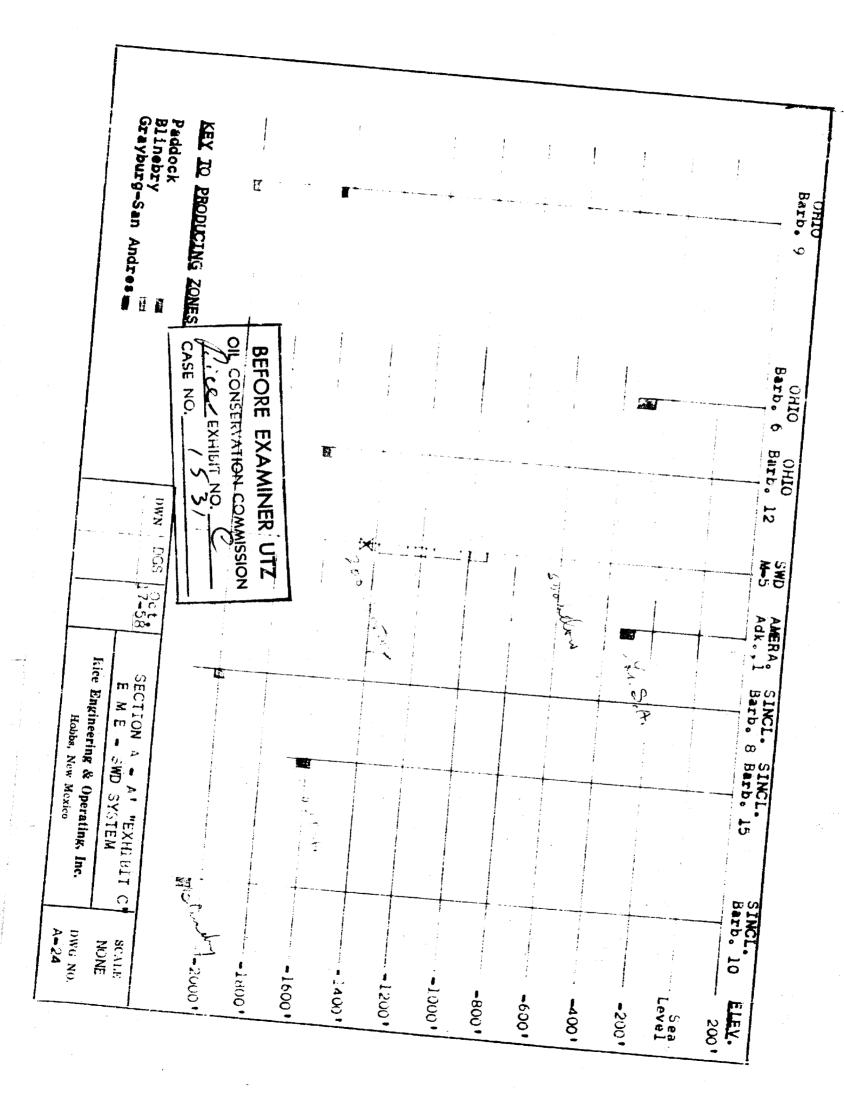
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OF CONSE	EXHIBIT NO.	4
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CASE NO.	1531	
CASE NO.		

37 E

Paddock
Blinebry
7 Rivers & Queen
Grayburg-San Andres

DWN	D.B.	9/11/58	AMERADA ADKINS NO.2 EXHIBIT A	SCALE
······································	: 		Rice Engineering & Operating. Inc. Hobbs, New Mexico	DWG NO. 1-/6





Wells Within ⅓ Mile of SWD M-5 E-M-E - SWD System

Operator	Lease	Well No.		Completion Zone	Remarks
Anderson-Prichard	Britt "B"	1	-267 to -327	Gbg-San Andres	Dual
4	•	_	+1132 to +983	7 Rivers & Queen	
•		2	-1605 to -1660	Paddock	
H	Britt	10	-2061 to -2135	Blinebry	
Amerada	Adkins	1	-268 to -327	Cbg-San Andres	
•		3	-1623 to -1665	Paddock	Dual
M .	10		+1065 to -135	7 Rivers & Queen	
.	Lambert	4	-161 to -212	Gbg-San Andres	
	•	6		Blinebry	
•	•	9	-1618 to -1663	Paddock	
Cities Service	Laughlin	5	+359 to +211	7 Rivers & Queen	Gas
Continental	Britt "B"	1	+666 to +604	7 Rivers & Queen	Gas
•	#	2	-2079 to -2103	Blinebry	
•	•	3	-1585 to -1655	Paddock	
Sulf	Matthews	1	-125 to -150	Gbg-San Andres	
•		2 3	+396 to +296	7 Rivers & Queen	
•		3	-124 to -147	Gbg-San Andres	
• .	#	4	-163 to -196	Temp Abd. Perfs S	queezed
•	#	6	-151 to -169;		•
			-178 to -204	Gbg-San Andres	
	H	7	-1547 to -1637	Paddock	
•	N	8	-2084 to -2147	Blinebry	
•	•	9	-1586 to -1679	Paddock	
•	*	10	-1590 to -1681	Paddock	
*		11	-1592 to -1672	Paddock	
u	•	12	-2102 to -2137	Blinebry	
Ó hio	Barber "B"	4	-290 to -307	Gbg-San Andres	
4		6	-263 to -333	Gbg-San Andres	
•		7	-241 to -259	Gbg-San Andres	
.	**	8	-198 to -208	Gbg-San Andres	
•	•	9	-1629 to -1652	Paddock	
•	•	**	-1999 to -2029	Blinebry	
•	•	10	-2110 to -2133	Blinebry	
	•	12	-1600 to -1633	Paddock	
Sinclair	Barber	2	-178 to -201	Gbg-San Andres	
•	•	4	-174 to -196	Gbg-San Andres	
•		1	+337 to -38	7 Rivers & Queen	Gas
•		8	-1987 to -2029	Bkinebry	
4		9	-2057 to -2107	Blinebry	

BEFORE EXAMINER UTZ

OF CONSERVATION COMMISSION

P. C. EXHIBIT NO. 2

Openator	<u>Leake</u>	Completion Well Interval	Completion Zone	Remarks
Operator Sinclair	Barber	10 -2952 to -2112 12 -1591 to -1629 13-4 -1552 to -1642 14 -2068 to -2130 15 -1587 to -1641 18 -1588 to -1646	Blinebry Paddock Paddock Blinebry Paddock Paddock	

EUNICE - MONUMENT - EUMONT

MAILING LIST

Amerada Petroleum Corporation, Drawer D., Monument, New Mexico Anderson-Frichard Oil Corporation, Box 1859, Midland, Texas Atlantic Refining Company, The, Box 1038, Denver City, Texas Aztec Oil & Gas Company, Box 847, Hobbs, New Mexico W. K. Byrom, 1000 N. Dal Paso, Hobbs, New Mexico Cities Service Oil Company, Box 97, Hobbs, New Mexico Continental Oil Company, Box 427, Hobbs, New Mexico General Crude Oil Company, 314 Commerce Bldg., Abilene, Texas Getty Oil Company, Box 547, Hobbs, New Mexico Gulf Oil Corporation, Box 2167, Hobbs, New Mexico Gulf Oil Corporation, Box 2167, Hobbs, New Mexico Hudson & Hudson, Inc., 1810 Electric Bldg., Fort Worth, Texas Humble Oil & Refining Company, Box 2347, Hobbs, New Mexico Stuart Hunt, Trustee, 1507 Mercantile Nat'l. Bank Bldg., Dallas, Texas Magnolia Petroleum Company, Box 2406, Hobbs, New Mexico (Jerry Young) Ohio Oil Company, The, Box 2107, Hobbs, New Mexico
Nolen & Byrom, Box 326, Hobbs, New Mexico
Pan American Petroleum Corporation, Box 899, Roswell, New Mexico Pan American Petroleum Corporation, Box 899, Roswell, New Mexico Neville G. Penrose, Inc., 1815 Fair Bldg., Fort Worth, Texas Phillips Petroleum Company, Box 2105, Hobbs, New Mexico Sinclair Oil & Gas Company, Box 2105, Hobbs, New Mexico Sinclair Oil & Gas Company, Box 521, Tulsa, Oklahoma (F. H. Rhees) Sinclair Oil & Gas Company, Box 1470, Midland, Texas (R. E. Powers) Sinclair Oil & Gas Company, Box 1470, Midland, Texas (R. E. Powers) Sinclair Oil & Gas Company, Box 1470, Midland, Texas (R. E. Powers) Sinclair Oil & Gas Company, Box 160, Midland, Texas Sun Oil Company, Box 1861, Midland, Texas
Sun Oil Company, Box 38, Hobbs, New Mexico Standard Oil Company, Box 362, Midland, Texas
The Superior Oil Company, Box 352, Midland, Texas
The Superior Oil Company, Box 547, Hobbs, New Mexico Southern Petroleum Exploration, Inc., Box 176, Eunice, New Mexico Southern Petroleum Exploration, Inc., Box 176, Eunice, New Mexico Southern Petroleum Exploration, Inc., Box 1017, Newell, N. M. (J. B.

BEFORE EXAMINER UTZ

CIL CONSERVATION COMMISSION

EXHIBIT NO.

CASE NO.

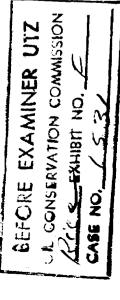
10/20/58

AND AND THE TALL SO May of September, A. B. 1998, between MICE MICHIGANIA & COMMENSO, INC., a comparation, we Operator under Articles of greenest for the Restor-Homest-Basest Solt Water Mayorel System, as one party, horeisesfor called RICE, and AMERIKA MINICESS CONFORMATION, a comparation, as the other party, horeisesfor called AMERIKA, MINICESS.

Whitehe, America is the owner of a well located 330 Sect from the Most line and 990 Sect from the South line of Section Five (;), Summit all South, of Range 37 Rest, H.H.P.H., Lea County, New Mexico, Eusen as Australa Adkins No. 2, and Rice dealers to acquire summ, if setisfustery for its purposes as Operator of the Runice-Hammest-Runant Salt Mater Disposal System.

NOW, THERMORE, it is maturally agreed between the parties hereto as follows:

- 1. Mice is to enter into possession of such well, and perforate the ensing at the San Andres formation, and thereugen test sums for the purpose of utilizing such well as a salt water disposal well, and if it is thereugen determined by Rice to be an efficient well for such purposes, then Ameraka shall bill Rice for the sum of \$50,000.00, and Rice agrees to pay such sum to Ameraka, and Ameraka will thereugen and simultaneously therewith, canceled the mesonancy instruments of conveyance to Rice as Trustee for the parties to the Articles of Agreement.
- 2. In the event that, after testing such well, Rice determines that it will not efficiently serve the purposes for which the well is to be acquired, Rice will:
 - (a) Abandon the well, and Amerada will bill Rice for the men of \$5,000.00, and Rice shall thereupon pay same to Amerada, or
 - (b) Squeeze commut the casing perforations in accordance with standard commuting procedures as prescribed by Ameraka, and thereupon this Agreement shall be terminated, and the parties hereto released and discharged from the mutual opvenants and obligations herein contained.



3. All operations to be combusted by Rice, both in testing the well and in the possible use thereafter as a suit unter disposal well shall be at Rice-te usin cost, rick and expense. Rice will indrusify America and hold America burniess from may claim or cause of action for any surface or subsurface damage or for injury to any parson based upon or crising out of the combust of such constations by Rice.

out of the earliest of such operations by Rice.			
VITINGS over heads and seeds	this 🚣 day of September, A. D. 1958.		
	RICE MICHIGANING & OPERATING, INC.		
ACURE:	By Stone The Second		
Soull R Maker	**************************************		
	ANGERADA PREROLEUM CORPORATION		
ATTEST:	By Vice President		
And that forestary	Vice Fresident		
COUNTY OF BARTON SS			
COUNTY OF BARTON			
On this 30 day of September	er, A. D. 1958, before me appeared		
end that the seel affired to said instrument corporation, and that said instrument said corporation by authority of i solmordodged said instrument to be the	command the company of the state of the company of		
Ny acustestan espiree:	a to the second		
June 18, 1960	Notery Rolls		
SEASE OF OICLANDIA			
COMMET OF TURBA			
In this day of September	er, A. D. 1958, before me appeared		
and that the seal affirmd to said in comporation, and that said instrument and comporation by authority of its	recuelly known, who being by so duly resident of AMERABA PHENOLHEM CORPORATION, strument is the corporate seal of said two signed and sealed in behalf of Board of Directors, and said Freedamt to free act and deed of said corporation.		
WITHMAS my hand and official	l seal the day and year first above written.		
My commission expires:			
	Notary Public		