

CASE 4026: Application of FRED  
POOL DRILLING COMPANY FOR AN  
EXCEPTION TO ORDER R-3221.

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Case Number

4026

Application

Transcripts.

Small Exhibits

ETC.

dearnley-meier

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO



BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

January 15, 1969

REGULAR HEARING

IN THE MATTER OF:

Application of Fred Pool  
Drilling Company for an  
exception to Order No.  
R-3221, as amended, Eddy  
County, New Mexico.

Case No. 4026

BEFORE: A. L. Porter, Jr., Secretary-Director  
Alex J. Armijo, Land Commissioner  
Governor David F. Cargo, Chairman  
George Hatch, Counsel

TRANSCRIPT OF HEARING

MR. HATCH: Case 4026, Application of Fred Pool Drilling Company for an exception to Order No. R-3221, as amended, Eddy County, New Mexico.

MR. McDERMOTT: W. H. McDermott appearing for Fred Pool on Case 4026, and we would like to have that case continued until the next regular hearing date.

MR. PORTER: You move for a continuance to the February Regular Hearing?

MR. McDERMOTT: Yes, sir.

MR. PORTER: If there is no objection, the case will be continued, and we will take up Case 4025.

STATE OF NEW MEXICO     )  
                                  )     ss.  
COUNTY OF BERNALILLO    )

I, SAMUEL MORTELETTE, Court Reporter in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

  
COURT REPORTER

dearnley-meier

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 S.W. 4TH BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO



BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

February 19, 1969

REGULAR HEARING

IN THE MATTER OF:

Application of Fred Pool  
Drilling Company for an  
exception to Order No.  
R-3221, as amended, Eddy  
County, New Mexico.

Case No. 4026

BEFORE: A. L. Porter, Jr., Secretary, Director  
Alex J. Armijo, Land Commissioner  
George Hatch, Counsel

TRANSCRIPT OF HEARING

MR. PORTER: Case No. 4026.

MR. HATCH: Case No. 4026, continued from the January 15, 1969 Regular Hearing, application of Fred Pool Drilling Company for an exception to Order No. R-3221, as amended, Eddy County, New Mexico.

MR. McDERMOTT: W. H. McDermott, appearing for Fred Pool, Jr., on application 4026, and I have one witness.

(Witness sworn.)

(Whereupon, Applicant's Exhibits  
Numbers 1 through 7, inclusive,  
were marked for identification.)

FRED POOL, JR.

called as a witness on behalf of the Applicant, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. McDERMOTT:

Q State your name, please.

A Fred Pool, Jr.

Q What is your occupation, Mr. Pool?

A I am a partner in the Fred Pool Drilling Company with my father. We are oil producers and drilling contractors.

Q Where are you located?

A Our office address is Post Office 100, Orla, Texas.

I live in Carlsbad, New Mexico.

Q And Case No. 4026 before the Commission is your application for an exception to Order No. R-3221, as amended?

A Yes, sir.

Q Now, how long have you been in the drilling business?

A Twenty years, myself.

Q Have you been associated with your father in the drilling business?

A All this time, yes.

Q Have you drilled numerous wells within this area?

A Yes, sir. I have drilled about 20 wells in this Delaware area around where these leases are.

Q Are you acquainted with the structures and the formations in this area?

A Yes, sir.

MR. McDERMOTT: Are the qualifications of the witness acceptable by the Commission?

MR. PORTER: They are.

Q Referring to Exhibit Number 1 and the portion outlined in red, does this take in your leases and your wells?

A Yes, sir.

Q Are there any water wells outlined in this Exhibit Number 1?

A Yes, sir, the water wells are shown where the little



windmill on this Exhibit 1 right here, one in Section 21. This one in Section 9 is just about on the section line between 8 and 9 there, just nearly on the section line. And then over here in Section 7, northwest quarter of Section 7.

Q Does this Exhibit No. 1 show all of the producing wells within this area, as far as your leases are concerned?

A Yes, sir.

Q Calling your attention to Exhibit No. 2, would you explain this exhibit for the Commission?

A This is the two sections, 8 and 9, in a little larger scale, and it shows the 40 acres of each well hole. This was a farmout originally from the Superior Oil Company and Perry R. Bass. That is the ones we have under the lease on these wells.

Q Do these exhibits show the location of the water pits that you are asking to be converted in use?

A Yes, there are three leases, the Hanagan State Lease in the southwest of the northeast of 8, and there is 80 acres which is the middle 80 on the east side of 8, and 40 acres in the Perry R. Bass is 40 acres, southwest of the southwest of 9. I have three tank batteries and three pits for these four wells.

MR. PORTER: At this point, would you give us the specific location of those pits for each?

THE WITNESS: Well, I don't have the measurements, sir.

MR. PORTER: Just the 40 acres in which they are located?

THE WITNESS: The Richardson and Bass Lease in Section 9, the water pit is in the southwest of the southwest.

MR. PORTER: Of 9?

THE WITNESS: Of 9, yes. And the tank battery on the Superior State Lease is in the southeast of the southeast of 8. And the Hanagan State water pit is in the southwest of the northeast of 8.

MR. PORTER: Southwest of the northeast of 8?

THE WITNESS: Yes, sir.

MR. PORTER: All right.

O (By Mr. McDermott) Referring to what is marked as Exhibit Number 3, would you describe this to the Commission?

A Well, this is a description of the tank battery in the pits on each lease. I have the three, and Richardson and Bass is one well, and has one tank, and the Superior State-Hanagan there. And then the water well down at the bottom is the water well in Section 9. And I went to the U.S.G.S. to get the information on that, and they didn't have a total depth on that well, but the water depth recorded by U.S.G.S. is 332 feet.

MR. PORTER: 332 feet, that is the depth of the fresh

water well located where?

THE WITNESS: In Section 9. And then there is another water well, I have the location down in Section 21.

MR. PORTER: Yes, sir.

THE WITNESS: And it is reported to be 291 feet deep, and the water at 266 feet.

MR. PORTER: What was the depth of the water in that first well that you mentioned, Section 9?

THE WITNESS: 332 feet.

MR. PORTER: Was that the depth of the water or the well?

THE WITNESS: That was the depth of the water. The depth of the well is unknown, but it is reported by a ranchhand to be 390 feet, but he is not sure.

Q (By Mr. McDermott) In your drilling experience in this area, at what levels have you encountered any water formation?

A I drilled a cable tool hole, in the Hanaqan State we cable tooled and we encountered water at -- I have the log here -- about 315 to 340 feet, a very small amount of water, but probably as much as that windmill makes.

Q What are the depths, from your own knowledge, in this area where you have encountered water?

A Some of the wells, we would get water down to about 400 feet, and some of the wells encountered water in the Castille Formation about 2,000 feet, between 2,000 and 2,200. And then water in the Delaware from 37 to 38 feet.

Q Referring to Exhibit Number 4, would you explain this to the Commission?

A This Exhibit 4 is a water analysis by the Western Company of the water from that well in Section 9. And it shows -- well, you have a copy of it there. But the chloride content is very low, but the sulfate content is pretty high on the well.

Q This would be a well that has a depth of approximately -- not the well, but the water formation at 332 feet, is that correct?

A Yes, sir.

Q Referring to Exhibit Number 5, the water analysis of Perry R. Bass No. 1, would you state the contents of that water?

A Chloride contents are very high on that, 92,000, but pretty salty water, produced water from the Delaware.

Q How deep is the Delaware Formation?

A About 3,780. I don't have the exact depth of the perforations, but it is around 3,780.

MR. PORTER: That is the Hanagan Lease?

THE WITNESS: No, sir, the Richardson and Bass.

Q According to Exhibit Number 3, that well produces about 48 barrels per day, is that correct?

A Yes, sir.

Q And in your opinion, you think that there is any amount of seepage because of the existence of these pits in your disposal of this water?

A No, sir, I don't think so. Because we have some shale and clay formations from the surface where the pits are down to the water formations.

Q In your experience in this drilling, have you ever found that the water would percolate or seep through these types of formations to reach this fresh water zone?

A No, sir, I don't think it would.

Q In Exhibit 6, would you say to the Commission the contents of that water analysis?

A That is the water analysis on the Hanagan State. It has a high chloride content, which shows the water as very salty, the produced water from the Delaware.

Q And Exhibit Number 7?

A The chloride content on it are high, too, about identical to the other two water pits.

Q In this area, what is the drainage of the ground water with respect to these particular pits?

A Well, the surface drainage, there is a ridge that passes, it is not a real high ridge, but a separation of drainage area in these two sections that goes approximately down the line between the two sections. Of course, in the whole general area, the drainage is to the west. But right local on these two sections, right down between the two of them, the surface drainage is to the west. And to the east of that is down to this low place right here that I have circled, this little line on Section 9, and then that comes off and goes down south and then back west, but around this water pit on this Superior State. But this water pit on the Richardson and Bass, it is about 20 foot lower in elevation than the water pit on the Superior State, and it is pretty close to this low area, and if any one were going to seep any water going off, it would be the one that would do it. It may be should be moved over up on top of the hill out of that low place where it is in.

Q Now, calling your attention to Exhibit Number 1 and the location of the water well in Section 9, do you feel that there could possibly be any type of seepage from these pits to that particular water well?

A No, sir, I don't think so.

Q Now, from the Exhibits 4, 5, 6, and 7, would it be your conclusion that there is any seepage of the chlorides into the fresh water formations from these pits?

A No, sir, not at this point.

Q Is that based upon the fact that Exhibit No. 4, the chloride content is only 260, as against -- well, a range of 92,000 to 95,000 parts chloride?

A Yes, sir. Excuse me, there is a water well reported in Section 17, the northwest of the northwest. It must be one of these that Ralph Lowe has by there, Richardson and Bass well right by there, but it is never reported used, and I couldn't find out anything except it was reported completed but never been used. So I don't know the status of that.

Q Is Ralph Lowe the adjoining operator?

A Yes, sir.

Q Does he, as far as you know, have any objection to your continuation of the use of the water pits on your leases?

A No, sir.

Q Were you present last month at the hearing on Ralph Lowe's application, 4025?

A Yes, sir.

MR. McDERMOTT: I have no further questions at this time.

MR. PORTER: Mr. Pool, I didn't get the information as to the depth of the water well located up there in Section 7?

THE WITNESS: It is -- well, I don't have a reported depth of it, sir. But I have a log, I mean a report from the Oil Gas Commission on that Carper and Hanson well in the northwest of the northwest right here on this Exhibit 1.

MR. PORTER: Northwest of the northwest. I was talking about the water well there.

THE WITNESS: Well, the water well, as best I can determine, is that well, plugged well, plugged back to a water well.

MR. PORTER: Converted to a water well?

THE WITNESS: Yes. And it shows on there the depth of the first water is 226 feet.

MR. PORTER: I see, 222 to 226?

THE WITNESS: The first water there.

Q (By Mr. McDermott) In this area, would there be any drainage in that direction, or would it be more to the southwest if there is any possible seepage out of these pits.

A It seems to be more to the southwest.

Q Would it be your opinion whether or not there would be any contamination or pollution of that well -- water well to



the northwest of the northwest in Section 7 in your pits?

A I don't think so.

Q Would there be any possible pollution, as far as you can tell, from the pits on the Ralph Lowe acreage?

A No, I don't think there would.

MR. PORTER: Does anyone else have a question?

Mr. Nutter.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Pool, now you mentioned that there is a low ridge that runs up the section line there between Section 8 and Section 9.

A Well, it is not called a ridge, it is a little raise in elevation.

Q Where is the one that is on the section line, where is it with respect to the ridge?

A It is just a little bit to the west. The ridge goes just a little bit to the east of that section line.

Q So the windmill then would be on the west side of the little high there?

A Yes, sir, it would. There is kind of a hill goes up there, goes to the north. Part of 9 is a little higher than the south half of 9.

Q What formation would that windmill be producing water from?

A It would just be out of that conglomerate in that Red Bed. I have no log.

Q Groundwater Report No. 7, Geology and Groundwater Resources of Eddy County, New Mexico, Plate No. 4 in that report indicates that there is a belt extending on the east side of the Pecos River with the width of approximately four to six or seven miles, running up and down the Pecos River in that area on its east side, in which it is reported that stock water is generally obtainable at depths less than 250 feet in the Rustler Formation, generally impotable and locally unfit for stock.

I wonder if that would be producing from the Rustler, or if it would be producing from the area which is east of this belt which is indicated on the plate to be area 5-C, described as stock and domestic supplies available at depths less than 300 feet in Triassic Red Beds.

A Well, I wouldn't know, sir, but I imagine it is in the Triassic Red Beds where this water is producing from where we are there.

Q What occurs from the top of the Triassic Red Beds on up to the surface in this area?

A It is shale, and sands, and clays.

Q Are there formations that you would generally consider to be impermeable to water?

A The shales, I would think so.

Q How about the clays?

A Yes, sir, I would consider the clays to be impermeable to water.

Q What is it on the surface?

A A sandy loam, and caliche, ten or fifteen feet of caliche right on top in some places, not all places.

Q Now, the well in Section 7, it was originally drilled as a oil well, is that correct?

A The way I understand, it is, yes.

Q Was it ever made into a water well? Is there a windmill there?

A Yes, there is a windmill there now.

Q But it is not producing?

A Yes, sir. Well, yes, it is producing. I didn't go over to it, but I did see it turning. I guess it is making water.

MR. PORTER: Our records should reflect the fact that this has been converted.

MR. NUTTER: They should.

THE WITNESS: Here is a well record of the well right here.

MR. PORTER: Did you find that in our files?

THE WITNESS: Yes, sir.

Q (By Mr. Nutter) Is that one of your exhibits?

A No, sir, I just have one copy of it.

Q Now, that was drilled by Ralph Lowe?

A No, Carper Hanson Drilling Company.

Q Did they report any water sands there?

A Yes, sir, 222 to 226, 268 to 377, 425 to 430, and 553 to 557.

Q So they reported several water sands from 222 down to 557.

A Yes, sir.

Q And you don't know the interval that the well is producing from, or completed in?

A No, sir, I don't.

Q Who owns that water well?

A That would be, I guess it would be George Ross that has the surface on that.

Q You haven't made any contact with Mr. Ross to find out anything about that well?

A No, sir, I didn't.

Q And this ranchhand that described the well along the section line, he indicated to you that he thought the well was about 390 feet deep?

A Yes, sir.

Q How did he determine the water level at 332?

A U.S.G.S. Report in, I believe it was 1961.

Q Would that have been Groundwater Report No. 3? No, Groundwater Report No. 3 is dated 1952. I believe they reported the water level in that well at 295 at that time.

A It is '59 or '61, I don't remember which one it was. That was the pumping level, what it said in the report.

MR. NUTTER: I would like to request that some information be obtained on that well in Section 7 from the landowner. I think it may be pertinent to the case to know the perforated interval or the casing point, or whatever we have there in the interval that the well is producing water from.

MR. PORTER: Mr. Pool, do you think you could get that information for us right away?

THE WITNESS: Yes, sir.

MR. PORTER: And submit it to us in the form of a letter?

THE WITNESS: Yes, sir.

MR. McDERMOTT: I would like to ask him another question.

REDIRECT EXAMINATION

BY MR. McDERMOTT:

Q How long have your pits been in operation on these different wells?

A The superior State, 1963, early 1963. Richardson and Bass, 1963. And Hanaqan State, 1966.

Q And your water analysis was just taken as of February 5, 1969, is that correct?

A Yes, sir.

Q On the water wells and the producing wells, your oil wells?

A Yes, sir.

MR. McDERMOTT: I have no further questions, but I would like to make a statement, if I may.

MR. PORTER: All right, we will give you an opportunity in just a moment.

I believe you said that your Richardson and Bass Lease produces 48 barrels of water per day, and the Superior 18 barrels, and the --

THE WITNESS: Per well.

MR. PORTER: Per well. How many wells are involved in this?

THE WITNESS: Two wells on the Superior State.

MR. PORTER: That would be 36 going into that pit?

THE WITNESS: Yes, sir.

MR. PORTER: And 48 into the other one?

THE WITNESS: Yes, sir.

MR. PORTER: And 15?

THE WITNESS: Yes, sir.

MR. PORTER: So you would have approximately 100 barrels a day produced water?

THE WITNESS: Yes, sir.

MR. PORTER: Mr. Stamets.

CROSS EXAMINATION

BY MR. STAMETS:

Q Mr. Pool, as I recall, the road into this area follows this draw which drains the general area, is that correct? As you are coming in from Carlsbad?

A Yes, sir.

Q And are there any windmills located along this draw between, say, the river and the pool?

A No, sir, there isn't.

Q I notice there are quite a bit of stock in there.

Where do they get their water?

A The Bureau of Land Management laid a water line, a plastic water line. It is down hill all the way, and they have taken water, I don't know how far down, but they have laid that plastic line down there to some stock tanks. And I don't know of any more windmills down that way.

Q In other words, in the general direction of the drainage, as far as we know it, there doesn't appear to be any windmills in this area?

A No, sir, there isn't.

Q Now, the map shows, and I believe that my investigation shows a well, that there are two draws in that area, one on the south side of the pool and another one heads more or less on the north side of the pool, is that correct?

A Yes, sir.

Q Is it possible that the drainage from the Hanagan State and the Superior State pits could go to this north draw?

A Yes, sir.

Q Towards this north draw?

A Yes, sir.

Q And this north draw drains generally past the windmill in Section 7, is that right?

A In that general direction, yes. I have never walked



it out.

Q But if, in your opinion, if all the pits were located on the--well, near the highway, the drainage direction would then be toward the southwest rather than towards the north?

A Yes, that's right. Where the Superior State tank battery is.

MR. STAMETS: I believe that is all the questions I have.

MR. PORTER: Does anyone else have any questions?  
Mr. McDermott.

MR. McDERMOTT: I did want to call your attention to what you referred to before, that this ground water report, 1947, 1950, or 1956. And in that report on Plate No. 4, it does show the water well in Section 9, and also the water well in Section 21. There is no reference on that report as to the well in No. 7. And as further evidence of drainage in this area, if you refer to that report, Plate No. 3 shows that the mineral drainage is in a southwest direction. Also, in the Table No. 3 in that report, the analysis made at that time for this particular township, it also cites three wells in Section 2, 9 and 21, setting forth the amount of chemical analysis within the water.

And further, there is a chart in that same report showing the depths as to the water, or depth of the wells in

Section 21. They have here depth of well 280 feet, and it appears to come from the red beds, as stated by Mr. Pool. I think the Commission is aware of the point that I am getting at partly is that we are producing water that is highly salted in comparison to the water coming out of the ground formation at a lower depth, and it's been doing this for five or six years. The analysis from the water well is so low in chlorides, they indicate there is no seepage whatsoever. And the ground water report substantiates these figures as far back as 1949, 1950, whenever the report was made.

MR. PORTER: Does anyone else have anything to offer in this case? The Commission will take the case under advisement. We will take up case 4046.

I N D E X

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Applicant's Exhibits Numbers 1 through 7	2	

STATE OF NEW MEXICO     )  
                                   )  
 COUNTY OF BERNALILLO    )     ss.

I, SAMUEL MORTELETTE, Court Reporter in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

*Samuel R. Mortelette*  
 COURT REPORTER

I do hereby certify that the foregoing is  
 a true and correct record of the hearing in  
 the case of \_\_\_\_\_  
 before the \_\_\_\_\_  
 New Mexico Oil Conservation Commission

\_\_\_\_\_, Reporter  
 New Mexico Oil Conservation Commission

**FRED POOL DRILLING COMPANY**

P. O. Box 100  
ORLA, TEXAS 79770  
Feb. 24, 1969

*File 4266*

Mr. D. S. Nutter, Chief Engineer  
State Land Office  
State Land Office Bldg.  
Santa Fe, New Mexico

Dear Sir:

In regard to my hearing on February 19th, enclosed is the additional information Mr. Porter requested about a water well in the NW corner of Section 7, Range 25-30S. The well is 385.6 feet deep; it is cased at 250 feet, March 7, 1959 water level was 263 feet. I received this information from Table II Record of Wells in the Project Nome area of Eddy and Lea County, N.M.

The foreman of the Snyder Ranch, Mr. Oscar Kinsey, told me that that well had 275 feet of tubing in it, and is presently being pumped by wind mill for stock water.

If there is any further information that I can supply you, please contact me.

Sincerely,

*Fred Pool, Jr.*  
Fred Pool, Jr.

1969 FEB 28 AM 9 50



# OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO  
P. O. BOX 2088 - SANTA FE  
87501

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN  
LAND COMMISSIONER  
ALEX J. ARMIJO  
MEMBER  
STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

March 3, 1969

Mr. W. H. McDermott  
Attorney at Law  
Post Office Box 1143  
Santa Fe, New Mexico

Re: Case No. 4026  
Order No. R-3685  
Applicant:  
Fred Pool Drilling Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC x

Artesia OCC x

Aztec OCC \_\_\_\_\_

Other State Engineer Office

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE No. 4026  
Order No. R-3685

APPLICATION OF FRED POOL DRILLING COMPANY  
FOR AN EXCEPTION TO ORDER NO. R-3221, AS  
AMENDED, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 8:30 a.m. on February 19, 1969, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 28th day of February, 1969, 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 the applicant, Fred Pool Drilling Company, is the owner and operator of certain wells located in Sections 8 and 9, Township 25 South, Range 30 East, NMPM, Corral Canyon-Delaware Pool, Eddy County, New Mexico.

(3) That effective January 1, 1969, Order (3) of Commission Order No. R-3221, as amended, prohibits in that area encompassed by Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, the disposal, subject to minor exceptions, of water produced in conjunction with the production of oil or gas, or both, on the surface of the ground, or in any pit, pond, lake, depression, draw, streambed, or arroyo, or in any watercourse, or in any

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CASE No. 4026

Order No. R-3685

other place or in any manner which would constitute a hazard to any fresh water supplies and said disposal has not previously been prohibited.

(4) That the aforesaid Order No. R-3221 was issued in order to afford reasonable protection against contamination of fresh water supplies designated by the State Engineer through disposal of water produced in conjunction with the production of oil or gas, or both, in unlined surface pits.

(5) That the State Engineer has designated, pursuant to Section 65-3-11 (15), N.M.S.A., 1953 Compilation, all underground water in the State of New Mexico containing 10,000 parts per million or less of dissolved solids as fresh water supplies to be afforded reasonable protection against contamination; except that said designation does not include any water for which there is no present or reasonably foreseeable beneficial use that would be impaired by contamination.

(6) That the applicant seeks an exception to the provisions of the aforesaid Order (3) to permit the continued disposal of salt water, produced by applicant's wells located in said Sections 8 and 9, in three unlined surface pits located in the SW/4 NE/4 and the SE/4 SE/4 of said Section 8 and in the SW/4 SW/4 of said Section 9.

(7) That the applicant is presently disposing of approximately 100 barrels of produced water per day in the subject pits.

(8) That there are no shallow fresh water wells in the vicinity of the subject pits.

(9) That there appears to be no shallow fresh water in the vicinity of the subject pits for which a present or reasonably foreseeable beneficial use is or will be made that would be impaired by contamination.

(10) That the applicant should be permitted to continue to dispose of salt water, produced by its wells located in said Sections 8 and 9, in the above-described surface pits.

IT IS THEREFORE ORDERED:

(1) That the applicant, Fred Pool Drilling Company, is hereby granted an exception to Order (3) of Commission Order



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CASE No. 4026  
Order No. R-3685

No. R-3221, as amended, to continue to dispose of water produced in conjunction with the production of oil or gas, or both, by its wells located in Sections 8 and 9, Township 25 South, Range 30 East, NMPM, Corral Canyon-Delaware Pool, Eddy County, New Mexico, in the three unlined surface pits located in the SW/4 NE/4 and the SE/4 SE/4 of said Section 8 and in the SW/4 SW/4 of said Section 9 until further order of the Commission.

(2) That the Commission may by administrative order rescind or amend such authority whenever it reasonably appears to the Commission that such rescission or amendment would serve to protect fresh water supplies from contamination.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



*David F. Cargo*  
DAVID F. CARGO, Chairman

*Alex J. ArmiJO*  
ALEX J. ARMIJO, Member

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

esr/

FRED POOL DRILLING COMPANY

P. O. Box 100  
ORLA, TEXAS 79770  
December 19, 1968

DEC 23 4 50 PM '68

*Case 4026*

*YNA*  
Mr. George Hatch  
New Mexico Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico

Dear Sir:

I would like to request an exclusion from the no Salt pit  
rule on the following leases in the Corral Canyon field of  
Eddy County, New Mexico:

Hanagan State , Sec. 8, Twp 25, Rng. 30

Richardson &  
Bass                      Sec. 9, Twp. 25 Rng. 30

Superior State, Sec. 8, Twp. 25, Rng.30

Very truly yours,

*Fred Pool Jr.*  
Fred Pool, Jr.  
FP:pjp

DOCKET MAILED

Date *2-10-69*

DOCKET MAILED

Date *1-7-69*

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	<input checked="" type="checkbox"/>	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

February 23, 1954  
(Date)

Artesia, New Mexico  
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Carper Drilling Co., Inc.  
(Company or Operator)

Carper-Hanson Superior  
(Lease)

Martin Drilling Co.  
(Contractor)

Well No. 1-A in the NW 1/4 NW 1/4 of Sec. 7

T. 25 S. R. 30 E., NMPM, Wildcat Pool, Eddy County.

The Dates of this work were as follows:

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on Telephone call to L. A. Hanson, 19  
(Cross out incorrect words)

and approval of the proposed plan (was) ~~was not~~ obtained. February 2, 1954 G Hobbs, N. M.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

10 94 930  
10 11 27  
10 11 27  
Filled hole with mud from total depth of 3643 back to 3443' and dumped a 10 sack cement plug. Mudded back to 3202' and dumped a 10 sack cement plug. Mudded back to 1649' and dumped a 10 sack cement plug. Pulled all of the 7" casing, all of the 8 5/8" casing and 724' of the 938' of 10 3/4" casing. Mudded back to 425' and dumped a 10 sack cement plug and left the hole open for the Rancher, Denny Moore, to use for a water well. Mr. Denny Moore by signing this form assumes full responsibility for final plugging of this well and Carper Drilling Company, Inc. has no further responsibility.

Witnessed by Harold Martin  
(Name)

Martin Drilling Co.  
(Company)

Owner  
(Title)

Approved: OIL CONSERVATION COMMISSION  
L. A. Hanson  
(Name)

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

Name: L. A. Hanson  
Position: Owner

Representing: Self

Address:

DOCKET: REGULAR HEARING - WEDNESDAY - FEBRUARY 19, 1969

OIL CONSERVATION COMMISSION - 8:30 A. M. - MORGAN HALL, STATE LAND OFFICE  
BUILDING, SANTA FE, NEW MEXICO

- ALLOWABLE: (1) Consideration of the oil allowable for March, 1969;
- (2) Consideration of the allowable production of gas for March, 1969, from thirteen prorated pools in Lea, Eddy, and Roosevelt Counties, New Mexico; consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico.

CASE 3834: (Reopened):

In the matter of Case No. 3834 being reopened pursuant to the provisions of Order No. R-3479, which order suspended for a period of one year beginning August 1, 1968, certain portions of Rules 14 (A) and 15 (A) of the General Rules and Regulations for the prorated gas pools of Northwest New Mexico, promulgated by Order No. R-1670, as amended. All interested parties may appear and show why said Order No. R03479 should or should not be rescinded.

CASE 3996 (Continued from the January 15, 1969, Regular Hearing)

Application of Martin Yates, III, for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's Cordie King Well No. 1 located in Unit L of Section 22, Township 23 South, Range 26 East, Kark Canyon (Delaware) Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the aforesaid quarter-quarter section.

CASE 4026 (Continued from the January 15, 1969, Regular Hearing)

Application to Fred Pool Drilling Company for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's leases located in Sections 8 and 9, Township 25 South, Range 30 East, Corral Canyon-Delaware Pool, Eddy

(Case 4026 continued)

County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in three unlined surface pits located in the SW/4 NW/4 and the SE/4 SE/4 of said Section 8, and the SW/4 SW/4 of said Section 9.

- CASE 4027: (Continued from the January 15, 1969, Regular Hearing)  
Application of MacDonald Oil Corporation for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's Sinclair Parke Well No. 1 located in Unit F of Section 22, Township 17 South, Range 30 East, Jackson Abo Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the aforesaid Unit F.
- CASE 4046: Application of Texaco, Inc., for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's New Mexico State CR Lease located in Section 32, Township 19 South, Range 32 East, Lusk Field, Lea County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in Unit F of said Section 32. In the alternative, applicant seeks the extension of that area excepted from the provisions of Order (3) of said Order No. R-3221 by Order No. R-3221-B to include the aforesaid Section 32.
- CASE 4047: Application of Larry C. Squires for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would authorize the applicant to dispose of produced salt water into three natural salt lakes located in Lea County, New Mexico, as follows:

(Continued Case 4047:)

Laguna Plata, sometimes referred to as Laguna Grande located in Sections 2, 3, 9, 10, and 11, Township 20 South, Range 32 East;

Laguna Gatuna, sometimes referred to as Salt Lake, located in Sections 7, 17, 18, 19, and 20, Township 20 South, Range 33 East;

Laguna Tonto, located in Sections 32 and 33, Township 19 South, Range 33 East, and Section 4, Township 20 South, Range 33 East.

CASE 4048: Application of C. W. Trainer for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's leases located in Section 24, Township 19 South, Range 33 East and in Sections 19, 20, 29, 30, Township 19 South, Range 34 East, undesignated Queen pool, Lea County, New Mexico. Applicant seeks authority to dispose of salt water produced by wells completed on said leases in unlined surface pits on said leases.

CASE 3993: (De Novo)

Application of Coastal States Gas Producing Company for the creation of a new pool and for special pool rules, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks the creation of a new Pennsylvanian oil pool to be designated the North Baum-Upper Pennsylvanian Pool comprising the following-described lands:

TOWNSHIP 13 SOUTH, RANGE 33 EAST, Lea County, N.Mex.

Section 19: E/2

Section 20: NW/4 and S/2

Section 21: SW/4

and for the promulgation of temporary special rules therefor, including a provision for 160-acre spacing and proration units and the assignment of 80-acre allowables.

Applicant further seeks the contraction of the Lazy J-Pennsylvanian Pool by the deletion from said pool of the E/2 of Section 20 and the W/2 of Section 21, both in the aforesaid Township and Range.

(Case 3993 continued)

Upon application of Max W. Coll, II, this case will be heard De Novo under the provisions of Rule 1220.

CASE 4049: Application of Standard Oil Company of Texas for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January, 1969. Said exception would be for the applicant's wells located in Section 5, Township 24 South, Range 38 East, and in Section 32, Township 23 South, Range 38 East, Stateline-Ellenburger Pool, Lea County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the NE/4 of said Section 5.

CASE 4050: Application of Texaco Inc. for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's T. W. Heflin Federal Well No. 1 located in Unit O of Section 24, Township 23 South, Range 31 East, Cotton Draw Brushy Canyon Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined pit located in said Unit O.

CASE 4051: Southeastern nomenclature case calling for an order for the creation, extension, and contraction of certain pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico:

(a) Create a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the Revelation-Delaware Pool comprising the following:

TOWNSHIP 22 SOUTH, RANGE 25 EAST, NMPM  
Section 18: NW/4 SE/4

Further, for the assignment of approximately 18,120 barrels of oil discovery allowable to the discovery well Marathon

(Case 4051 continued)

Oil Company's Miller Ranch Unit Well No. 1, located in Unit J of said Section 18.

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for San Andres Production and designated as the West Sawyer-San Andres Pool comprising the following:

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM  
Section 33: SW/4 SW/4

Further, for the assignment of approximately 24,720 barrels of oil discovery allowable to the discovery well Coastal States Gas Producing Company's Santa Fe Well No. 1, located in Unit M of said Section 33.

(c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Cisco production and designated as the Fordinkus-Cisco Gas Pool. The discovery well is Charles B. Read's Anderson State Well 1 Y, located in Unit G of Section 14, Township 18 South, Range 24 East. Said pool should comprise:

TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM  
Section 14: E/2

(d) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the Midway-Devonian Pool. The discovery well is Union Oil Company of California's Midway State Well No. 1, located in Unit F of Section 12, Township 17 South, Range 36 East, NMPM. Said pool should comprise:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM  
Section 12: NW/4

(e) Create a new pool in Chaves County, New Mexico, classified as a gas pool for Grayburg San Andres production and designated as the Sams Ranch Grayburg-San Andres Gas Pool. The discovery well is Midwest Oil Corporation Federal A No. 1 located in Unit L of Section 10, Township 14 South, Range 28 East, NMPM. Said pool should comprise:

TOWNSHIP 14 SOUTH, RANGE 28 EAST, NMPM  
Section 10: SW/4  
Section 15: NW/4



(f) Contract the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
Section 15: S/2, NE/4, and E/2 NW/4

(g) Extend the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
Section 15: All

(h) Extend the Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
Section 31: NE/4

TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM  
Section 1: SE/4

(i) Extend the East Benson-Yates Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM  
Section 18: N/2 SW/4

(j) Extend the East Bluitt-San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM  
Section 18: SW/4

(k) Extend the Bluitt-Wolfcamp Gas Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 37 EAST, NMPM  
Section 32: E/2

(l) Extend the Cato-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM  
Section 5: SW/4

Regular Hearing-February 19, 1969

Docket No. 5-69

- (m) Extend the West Henshaw-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM  
Section 4: Lot 8

- (n) Extend the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM  
Section 8: All  
Section 16: All  
Section 17: All

- (o) Extend the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
Section 19: NE/4  
Section 20: NW/4

- (p) Extend the McMillan-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM  
Section 19: All

- (q) Extend the Quail-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
Section 11: E/2

- (r) Extend the Sulimar-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM  
Section 13: S/2 SE/4  
Section 24: NW/4 NE/4

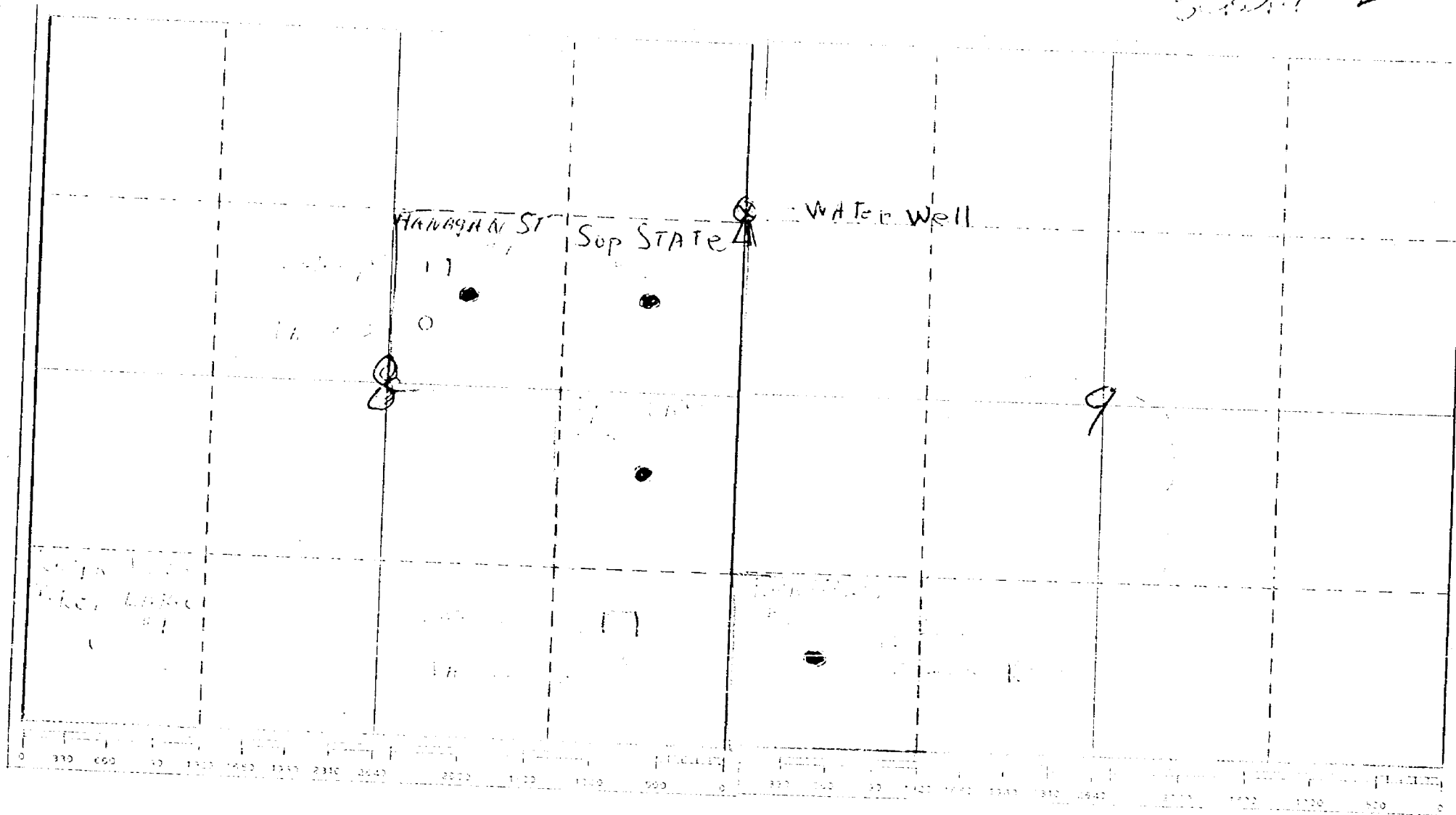
(s) Extend the North Vacuum-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
Section 24: SE/4

(t) Extend the vertical limits of the North Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include all of the Upper Pennsylvanian formation in the interval from 9554 feet to 9814 feet on the log of the Coastal States Federal "20" Well No. 2, located in Unit N of Section 20, Township 13 South, Range 33 East, NMPM.



Sublot #2



OCEANIC  
 2  
 4006

# Some other descriptions

at Wilson and are well 8. 1

fuel: nothing - on 1st 250 ft  
water: 10 - 10 ft. x 30 ft. 1 ft. water  
well: 10000 10 ft. oil, 10 ft. water.

at Wilson, 10 ft. large

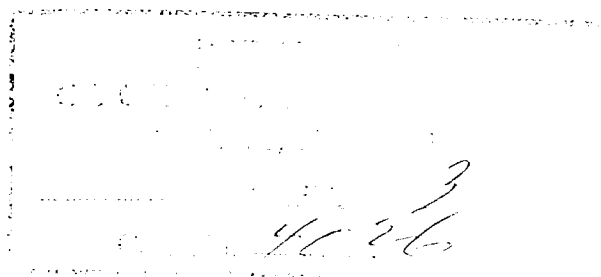
fuel: nothing - on 1st 250 ft  
water: 10 - 10 ft. x 30 ft. 1 ft. water  
No. 1: 10000 10 ft. oil, 10 ft. water.  
No. 2: 10000 10 ft. oil, 10 ft. water.

at Wilson, 10 ft. 1

fuel: nothing - on 1st 250 ft  
water: 10 - 10 ft. x 30 ft. 1 ft. water  
well: 10000 10 ft. oil, 10 ft. water.

at Wilson -

fuel: nothing - on 1st 250 ft  
water: 10 - 10 ft. x 30 ft. 1 ft. water.



THE WESTERN COMPANY  
Service Laboratory

1-2-14 #11

DEPT. OF AGRICULTURE  
O.C. ANALYST  
No. 4026

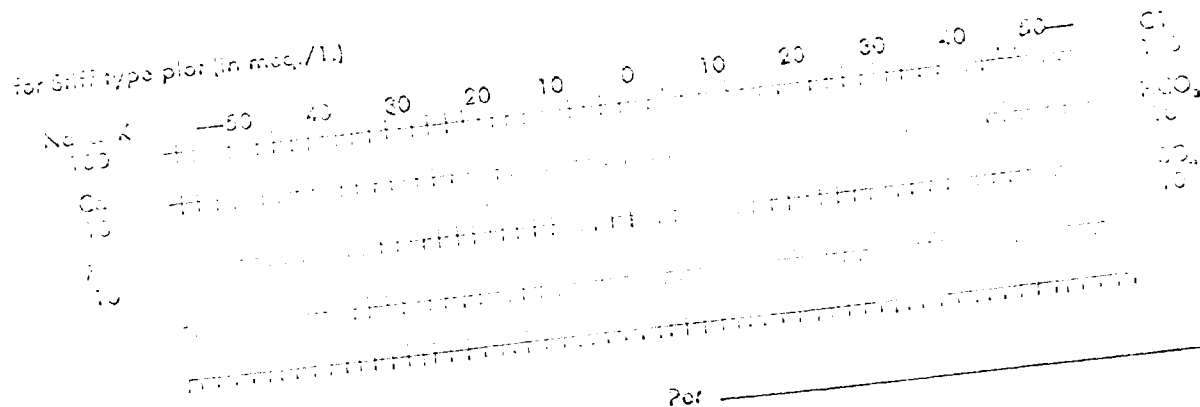
WATER ANALYSIS

Operator \_\_\_\_\_ Date Sampled 2-5-69  
Well Water Well Date Received \_\_\_\_\_  
Field NW $\frac{1}{4}$  of NW $\frac{1}{4}$  of Sec. 9 Submitted by Fred Pool Delg. Co.  
Formation \_\_\_\_\_ Worked by Jones  
Depth \_\_\_\_\_ Other Description Sampled from water trough  
County Eddy, N. M.

CHEMICAL DETERMINATIONS

Density 1.004 @ 72° F. pH 7.7  
Iron Very faint trace Hydrogen Sulfide None ppm  
Sodium and Potassium 310 ppm Bicarbonate 122 ppm  
Calcium 600 ppm Sulfate 2160 ppm  
Magnesium 131 ppm Phosphate \_\_\_\_\_ ppm  
Chloride 260 ppm as Sodium Chloride \_\_\_\_\_ ppm

Remarks:



2. *Leptocarpus*

[illegible]

W. B. E. Co.

1000 4026

## WATER ANALYSIS

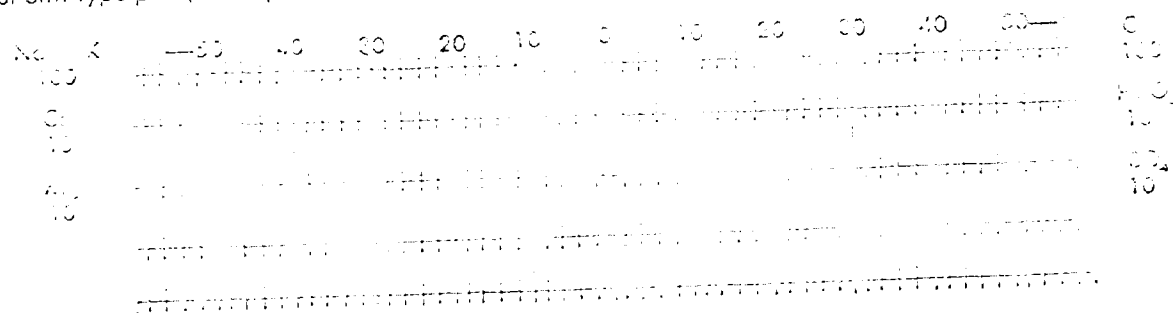
Operator	Fred Pool Drig. Co.	Date Sampled	2-5-69
Well	Perry R. Bass #1	Date Received	2-5-69
Field	Corral Canyon	Submitted by	Fred Pool Drig. Co.
Formation	Delaware	Worked by	Jones
Depth		Other Description	
County	Eddy, N. M.		

### CHEMICAL DETERMINATIONS

Density	1.100 @ 76° F.	pH	6.9
Iron	None	Hydrogen Sulfide	None
Sodium and Potassium	43,500 ppm	Bicarbonate	150 ppm
Calcium	7,600 ppm	Sulfate	240 ppm
Magnesium	1,800 ppm	Phosphate	ppm
Chloride	92,000 ppm	as Sodium Chloride	ppm

Remarks:

for Cliff type plot (in meq./l.)



100



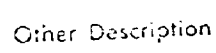
Other Description

Other Description

Other Description

Other Description

Other Description



Other Description

THE WESTERN COMPANY  
Service Laboratory

Corral Canyon  
7  
WATER ANALYSIS

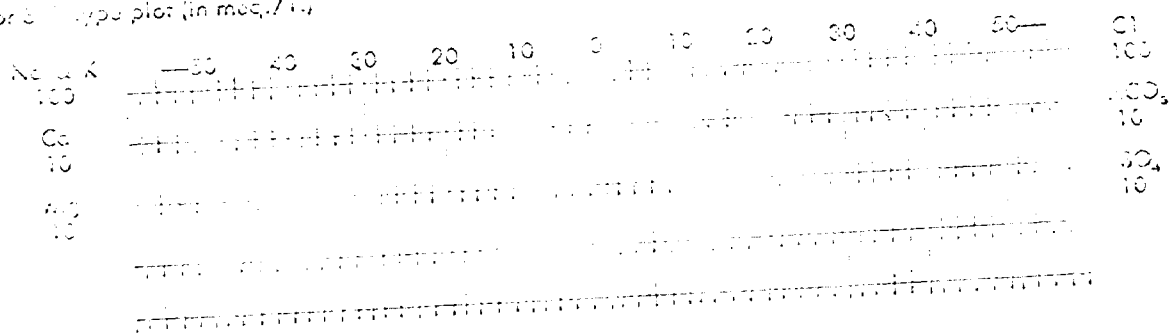
Operator Fred Pool Drig. Co. Date Sampled 2-5-69  
Well Superior State #1 and #2 Date Received 2-5-69  
Field Corral Canyon Submitted by Fred Pool Drig. Co.  
Formation Delaware Worked by Jones  
Depth Other Description  
County Eddy, N. M.

CHEMICAL DETERMINATIONS

Density 1.100 @ 77° F. pH 6.8  
Iron Faint trace Hydrogen Sulfide None  
Sodium and Potassium 48,600 ppm Bicarbonate 122 ppm  
Calcium 7,220 ppm Sulfate 70 ppm  
Magnesium 1,505 ppm Phosphate ppm  
Chloride 92,800 ppm as Sodium Chloride ppm

Remarks:

for 500 ppm plot (in meq./l.)



NEW MEXICO SCHOOL OF MINES  
STATE BUREAU OF MINES AND MINERAL RESOURCES  
SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

Casing Record:

Adair County  
Sun Oil Company  
J. Edgar New Well No. 1  
Located on Oil and Gas Prospecting  
Lease No. 023353  
L.M. Sec. 21-T. 25S-R. 30E.  
Elevation: 3150'  
Commenced:  
Completed:

Formation	Bottom	Formation	Bottom
Gray sand	20	Red clay	740
Gypsum and sand	30	Red shale	808
Red clay	30	Gravel	810
Red sand	30	Gravel	815
Red clay	100	Red shale	818
Red sand	100	Gravel	820
Red clay	140	Red shale	825
Pack sand	160	Red shale - gravel	828
Red sand	160	Lime and gypsum	900
Red clay	170	Soft red shale	925
Sand	180	Gypsum gravel	945
Hard sand	190	Gypsum	955
Sand - Hole caving at 295'	295	Brky lime	975
Red clay	305	Hard white gypsum	985
Sand	315	Hard gypsum	1010
Red mud	335	Soft gypsum - 1 B.M.	1035
Yellow clay	340	Soft white clay, gradually	
Red clay	350	turning to dark	1055
Light clay	360	Hard gypsum	1061
Soft sand	370	Hard gypsum	1070
Red clay	380	Hard gypsum	1073
Gray shale	400	Lime on bottom	1100
Blue gumbo	415	Gypsum	1080
Blue mud	430	Black gumbo	1084
Red bed	440	Blue clay	1087
Blue shale	450	Red clay and gypsum	1090
Soft brown shale, caving	460	Red clay	1100
Shale	470	Red clay and gypsum	1110
Sandy lime	475	Soft white gypsum	1130
Blue shale	485	Light blue shale	1170
Lime	510	Stratified red and blue shale	1180
Soft red shale	515	Red shale	1190
Red clay	520	Gypsum	1200
Red shale - Hole caving	535	Hard gypsum	1210
Blue shale	545	Gypsum	1210
Sand	555	Red shale	1245
Red bed	565	Soft salt	1250
Red sand	575	Gravel	1257
Clay	585	Hard white gypsum	1265
Red clay	595	Gravel and salt	1280
Sticky clay	605	Gypsum	1285

NEW MEXICO SCHOOL OF MINES  
STATE BUREAU OF MINES AND MINERAL RESOURCES  
SOCORRO, NEW MEXICO

WELL LOG DIVISION

J. Edgar New Well No. 1

Adair County

Sun Oil Company

L.M. Sec. 21-T. 25S-R. 30E.

Elevation: 3150'

Commenced:

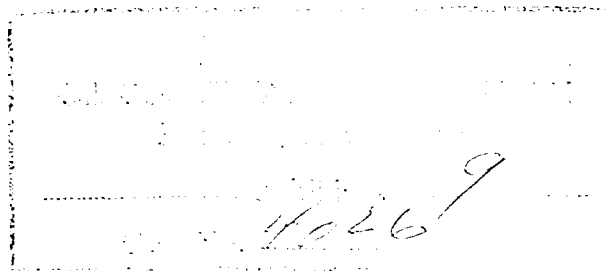
Completed:

FRED POOL DRILLING COMPANY

T and P State #1

*Havayon State #1*

0 - 5	Surface
5 - 15	Caliche
15 - 50	Sand
50 - 125	Sand and Shale
125 - 230	Sand and Shale
230 - 265	Shale
265 - 275	Hard Sand
275 - 300	Shale
300 - 315	Red Shale
315 - 340	Gray Shale
340 - 375	Red and Blue Shale (Hole caving)
375 - 415	Gray Shale
415 - 435	Blue Shale
435 - 455	Red Shale
455 - 459	Red Shale
459 - 475	Anhydrite
475 - 485	Red and Blue Shale
485 - 540	Blue Shale
540 - 560	Blue Shale and Gypsum
560 - 590	Blue Shale
590 - 600	Blue Shale and Gypsum
600 - 630	Blue Shale and Red Shale
630 - 665	Blue Shale
665 - 675	Lime and Anhydrite



DRAFT

GMH/esr  
2-20-69

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE No. 4026 3685

Order No. R- 3684

APPLICATION OF FRED POOL DRILLING COMPANY  
FOR AN EXCEPTION TO ORDER NO. R-3221, AS  
AMENDED, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 8:30 a.m. on February 19, 1969, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this \_\_\_\_\_ day of February, 1969, 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 the applicant, Fred Pool Drilling Company, is the owner and operator of certain wells located in Sections 8 and 9, Township 25 South, Range 30 East, NMPM, Corral Canyon-Delaware Pool, Eddy County, New Mexico.

(3) That effective January 1, 1969, Order (3) of Commission Order No. R-3221, as amended, prohibits in that area encompassed by Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, the disposal, subject to minor exceptions, of water produced in conjunction with the production of oil or gas, or both, on the surface of the ground, or in any pit, pond, lake, depression, draw, streambed, or arroyo, or in any watercourse, or in any

other place or in any manner which would constitute a hazard to any fresh water supplies and said disposal has not previously been prohibited.

(4) That the aforesaid Order No. R-3221 was issued in order to afford reasonable protection against contamination of fresh water supplies designated by the State Engineer through disposal of water produced in conjunction with the production of oil or gas, or both, in unlined surface pits.

(5) That the State Engineer has designated, pursuant to Section 65-3-11 (15), N.M.S.A., 1953 Compilation, all underground water in the State of New Mexico containing 10,000 parts per million or less of dissolved solids as fresh water supplies to be afforded reasonable protection against contamination; except that said designation does not include any water for which there is no present or reasonably foreseeable beneficial use that would be impaired by contamination.

(6) That the applicant seeks an exception to the provisions of the aforesaid Order (3) to permit the continued disposal of salt water, produced by applicant's wells located in said Sections 8 and 9, in ~~two~~ <sup>three</sup> unlined surface pits located in the SW/4 <sup>NE/4</sup> ~~NW/4~~ and the SE/4 SE/4 of said Section 8 and in the SW/4 SW/4 of said Section 9.

(7) That the applicant is presently disposing of approximately 100 barrels of produced water per day in the subject pits.

(8) That there are no shallow fresh water wells in the vicinity of the subject pits.

(9) That there appears to be no shallow fresh water in the vicinity of the subject pits for which a present or reasonably foreseeable beneficial use is or will be made that would be impaired by contamination.

(10) That the applicant should be permitted to continue to dispose of salt water, produced by its wells located in said Sections 8 and 9, in the above-described surface pits.

IT IS THEREFORE ORDERED:

(1) That the applicant, Fred Pool Drilling Company, is hereby granted an exception to Order (3) of Commission Order No. R-3221, as amended, to continue to dispose of water produced in conjunction with the production of oil or gas, or both, by ~~its~~ <sup>the</sup> wells located in Sections 8 and 9, Township 25 South, Range 30 East, NMPM, Corral Canyon-Delaware Pool, Eddy County, New Mexico, in the three unlined surface pits located in the SW/4 NE/4 and the SE/4 SE/4 of said Section 8 and in the SW/4 SW/4 of said Section 9 until further order of the Commission.

(2) That the Commission may by administrative order rescind <sup>or amend</sup> such authority whenever it reasonably appears to the Commission that such rescission would serve to protect fresh water supplies from contamination.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

12-13-68

Fred Pool, Jr.

Fred Pool Drilling Company - Applicant

4 wells and 3 leases

Honnagan State  
Superior State  
Richardson Base Fed. )

Leases are in Sec 8 and 9 of 25-30

3 pits -

Corral Canyon Delaware

SW/NW of 8  
SW/SE of 9  
SE/SE of 8

Set for John Reg -  
No pit exception