

CASE 4056: Application of ALBERT  
GACKLE FOR SALT WATER DISPOSAL,  
LEA COUNTY, NEW MEXICO.

---

Case Number

4056

Application  
Transcripts.

Small Exhibits

ETC.

dearnley-meier

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

1120 SIMMS BLDG. • P. O. BOX 1062 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO



BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

February 26, 1969

EXAMINER HEARING

IN THE MATTER OF:

Application of Albert  
Gackle for salt water  
disposal, Lea County,  
New Mexico.

Case No. 4056

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 4056.

MR. HATCH: Case 4056, application of Albert Gackle for salt water disposal, Lea County, New Mexico.

MR. KELLAHIN: Jason Kellahin, appearing for the applicant. May the record reflect that the witness has been sworn.

MR. UTZ: The record will so show.

(Whereupon, Applicant's Exhibits Numbers 1 and 2 were marked for identification.)

ALBERT GACKLE

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Mr. Gackle, you are the same Mr. Gackle who testified in Case 4055?

A Yes, sir.

Q What are you proposing to do in 4056?

A I am proposing to make a salt water disposal well out of the Well No. 5 on the Sinclair A State No. 5 Well, which is in Section 23, 23-36. This well is in the northeast quarter of the southwest -- of the southeast quarter, and we cored this well, and the Queen Sand -- we didn't have any Queen

Sand, but we did have a Queen dolomite below where the Queen Sands were in the other well. This well ran real high. We cored 90 feet of this particular well, and tested it from all the way up and tested it in five different zones in that 90 feet, and produced them from the sections until they watered out, each one of them, and finally came right into the very top of this dolomite section and it watered out. So we plan to make a salt water disposal well out of it.

Q What is the present status of the well? Is it temporarily abandoned?

A Not temporarily abandoned, it was shut in. I reported it to the Commission. I was wanting to shut it in and make some tests, which I have done, and it is ready for disposal at this time. I ran a packer at 3,625 feet, which was --

Q Is that shown on page three of Exhibit Number 2?

A Right, and tested the well. The two top perforations from 3,542 to 3,552, and 3,570 to 3,578 were left open, and we set a packer below those, and intend to put our water into the three lower perforations. In our test, it took the water at the rate of 100 barrels an hour on vacuum.

Q You don't anticipate it will require any pressure to inject water into this well?

A No, it came right out of the tank.

Q Referring to Exhibit Number 1, is that a plat of the area involved?

A Yes.

Q Is the subject well marked in red?

A Right.

Q Are the other wells in that area producing from the same formation that you propose to inject in?

A Well, they are producing from the Queen, and some of it from the Queen and the Seven Rivers. But I am not sure whether any of the wells were producing from where this well produced while it did produce.

Q Now, you will be injecting into the lower portion of the Queen Formation, is that correct?

A Right.

Q That is a perforated interval presently located, isn't it?

A Right.

Q That runs from 3,642 feet to 3,699?

A Right.

Q And there will be no change in that?

A None, whatsoever.

Q In this application, as I understand it, you are

leaving perforations open above the packer?

A Right.

Q What is your reason for doing this, Mr. Gackle?

A Well, my reason for doing it, I asked the same thing from Mr. Montgomery, who was there at Christmas time, and I think you are all acquainted with him, who was my geologist, and he has completed all these wells for me, and he is the one that suggested that, and I asked him the reason, and he said, well, it is possible by putting your water in the lower formation it might even help the surrounding wells a little bit in the formation.

Q In other words, he anticipates that putting water in the lower portion of the Queen might result in the production of oil from the upper portion?

A He said it might. He didn't have any proof of that.

Q With that situation, then, you would not be able to fill the casing tubing annulus with a fluid?

A No, I am sure we wouldn't, other than the water that is -- the water will stand at all times without any pressure. We did not test the perforations above the packer to see whether it would go into that, which we could do very easily.

Q Water does stand in the casing tubing annulus?

A Oh, yes, I am sure.

Q In completing the well for injection, did you use a plastic-lined tubing?

A Yes.

Q Is it set under a packer?

A Under a packer, yes.

Q In your opinion, is there any possibility of utilizing this well for injection, causing any damage to the producing formation?

A I don't see why it should. Probably help a little, if anything.

Q What is the source of the water you will be injecting in this well?

A The source of the water will be from the rest of the lease, which produces approximately 100 barrels a day. And I have a Sinclair B State Lease, which is in Section 3, I believe it is, 23-36, and it is making 25 barrels a day, which I would like to put the water into that from there. Also, from our Esmond Lease, which is producing about 6 barrels a day, and from our Rodmond Jones Lease which is producing 10 barrels a day.

Q Those are some distance from the injection well, are they not?

A Yes, I am asking the water to be hauled from this well.



Q You will truck it in?

A Yes.

Q What will the total amount of the water you will dispose of amount to?

A Well, I reported it here as 300 barrels, approximately. It would run approximately in that area.

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

A Yes, prepared off my records with my permission.

MR. KELLAHIN: I would like to offer into evidence Exhibits 1 and 2.

MR. UTZ: Without objection, Exhibits 1 and 2 will be entered into the evidence of this case.

(Whereupon, Applicant's Exhibits Numbers 1 and 2 were admitted into evidence.)

Q (By Mr. Kellahin) Do you have an analysis of the water you are proposing to dispose of here?

A Yes, I do. I don't have it with me.

Q Will you send a copy of that to the Commission?

A Yes, sir.

MR. UTZ: Do you know what the figures were?

THE WITNESS: No, I don't. But I know this water is going to need some treatment. This water was very, very scaly.

We had treated it right along, we had a lot of trouble with the pumps and things, but, of course, that is mostly barium, and that wouldn't have any effect on the water going into the well, because barium mostly dissolves after it goes into your vessels, you know. The water that goes into the well, that part of it wouldn't have any, but we still think we are going to have to do some treatment along with our plastic-lined tubing.

Q (By Mr. Kellahin) As I understand it, this well is ready to be used for injection upon approval by the Commission?

A Right.

Q Do you need it by March 1st?

A Yes, sir.

Q And you actually need the other one by March 1st, too, do you not?

A Yes.

MR. KELLAHIN: That is all I have.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Gackle, are the other leases that you intend to truck water from to this well shown on this Exhibit 1?

A No, they are shown on this exhibit.

Q That explains why I couldn't find them.

A No, they are not on this.

Q What were the names of the leases?

A The names of the leases would be Sinclair B State Number -- the leases, in other words, which is the south half of the section there -- or the north half of that section, and the Rodman Jones Lease, and the Esmond Lease.

Q Are all these Jalmat?

A No, they are all in the Langlie Mattix.

Q You stated that water was standing in the annulus. Do you have any idea of the height of the water?

A No, I think it was around, it was set standing around 1,800 feet.

Q That would indicate that it would take some pressure to go into those perforations, wouldn't it?

A Well, the top perforations, see, you have different sets of perforations. We have tested the well, and those lower perforations now are taking water at the rate of 100 barrels an hour.

Q I was referring to the perforations in the annulus.

A Well, it is possible that you might need some pressure to put the water into those, yes. We have not tested it, but if the Commission requires, we will make a test of it, if you would like.

Q If it is standing at 1,800 feet, you have approximately 900 pounds of hydrostatic pressure?

A Right.

Q Would you be receptive to filling the annulus with water and see whether it stands or not?

A Not a bit, I sure wouldn't. That would be no problem at all.

MR. UTZ: Any other questions of the witness? You may be excused. Any statements?

The case will be taken under advisement.

I N D E X

<u>WITNESS</u>	<u>PAGE</u>
ALBERT GACKLE	
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<u>EXHIBITS</u>	<u>MARKED</u>	<u>OFFERED AND ADMITTED</u>
Applicant's Exhibits Numbers 1 and 2	2	7

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.

*Samuel B. Mortellette*  
 COURT REPORTER

I do hereby certify that the foregoing is  
 a complete record of the proceedings in  
 the Examiner hearing of Case No. 4056  
 heard by me on Feb. 26, 1969  
Thos. C. [Signature], Examiner  
 New Mexico Oil Conservation Commission



## OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO  
P. O. BOX 2088 - SANTA FE  
87801

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

LAND COMMISSIONER  
ALEX J. ARMIJO  
MEMBER

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

March 4, 1969

Mr. Jason Kellahin  
Kellahin & Fox  
Attorneys at Law  
Post Office Box 1769  
Santa Fe, New Mexico

Re: Case No. 4055 & 4056  
Order No. R-3690 - R-3691  
Applicant:  
Albert Gackle

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 ☒ \_\_\_\_\_

Artesia OCC \_\_\_\_\_

Aztec CCC \_\_\_\_\_

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. 4056  
Order No. R-3691

APPLICATION OF ALBERT GACKLE  
FOR SALT WATER DISPOSAL, LEA  
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 26, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of March, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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, Albert Gackle, is the owner and operator of the Sinclair "A" State Well No. 5, located in Unit I of Section 23, Township 23 South, Range 36 East, NMPM, Langlie-Mattix Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the Lower Queen formation, with injection into the perforated interval from approximately 3642 feet to 3699 feet.

(4) That the injection should be accomplished through 2 7/8-inch plastic-lined tubing installed in a packer set at approximately 3625 feet and that a hydrostatically balanced column of inert fluid should be maintained in the casing-tubing annulus.



-2-

CASE No. 4056  
Order No. R-3691

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Albert Gackle, is hereby authorized to utilize his Sinclair "A" State Well No. 5, located in Unit I of Section 23, Township 23 South, Range 36 East, NMPM, Langlie-Mattix Pool, Lea County, New Mexico, to dispose of produced salt water into the Lower Queen formation, injection to be accomplished through 2 7/8-inch tubing installed in a packer set at approximately 3625 feet, with injection into the perforated interval from approximately 3642 feet to 3699 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined and that a hydrostatically balanced column of inert fluid shall be maintained in the casing-tubing annulus.

(2) That the applicant shall submit monthly reports of his disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(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, Chairman

ALEX J. ARMISTEAD, Member

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

esr/

Case 4056

Recd 2-26-69

Rec. 2-27-69

Grant Albert Gackle a SUD  
well for his Sundair #5.  
1980 S - 660 E - 23-23 S - 36 E. Injection  
shall be into the Lower Green then  
perfs 3642-99. The 2<sup>7</sup>8 tubing shall  
be plastic coated and the Annulus  
shall be loaded with inert  
fluid and let stand at whatever  
level the Annulus prefers at.  
3548-78 will allow. A packer  
shall be set at approx. 3626. in  
4 1/2 casing.

Thos. W. G.  
Langlie Mather Pool

4845 E. 2-27-69.



DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 26, 1969

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,  
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, Alternate Examiner:

- CASE 4052: Application of Mobil Oil Corporation for a pool creation and discovery allowable, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the creation of the Lightcap-Pennsylvanian Pool in Chaves County, New Mexico, comprising the NE/4 NE/4 of Section 7, Township 8 South, Range 30 East, and for the assignment of approximately 35,650 barrels of oil discovery allowable to the discovery well, its C. L. O'Brien Well No. 1 located in Unit A of said Section 7.
- CASE 4036: (Continued from the February 5, 1969, Examiner Hearing) Application of Mobil Oil Corporation for a dual completion, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its C. L. O'Brien Well No. 1 located in Unit A of Section 7, Township 8 South, Range 30 East, Chaves County, New Mexico, to produce oil from an undesignated Pennsylvanian oil pool and the Lightcap (Devonian) Pool through parallel strings of tubing.
- CASE 4053: Application of El Paso Products Company for special pool rules, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special rules for the Gallegos-Gallup Pool, San Juan County, New Mexico, including provisions for the classification of oil and gas wells, 80-acre spacing for oil wells, and 320-acre spacing for gas wells.
- CASE 4054: Application of Amerada Petroleum Corporation for an unorthodox oil well location and amendment to Order No. R-2197, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a producing oil well at an unorthodox location 1250 feet from the West line and 2220 feet from the South line of Section 28, Township 24 South, Range 37 East, in its Langlie Mattix Woolworth Unit Waterflood Project, Langlie-Mattix Pool, Lea County, New Mexico. Applicant also seeks the amendment of Order No. R-2197, which order authorized said waterflood project, to establish an administrative procedure whereby said project could be expanded to include additional lands and injection wells and producing wells at orthodox and unorthodox locations as may be necessary to complete an efficient injection and producing pattern without the necessity of showing well response.

CASE 4055: Application of Albert Gackle for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Seven Rivers formation in the open-hole interval from approximately 3290 feet to 3620 feet in his George Etz Well No. 3 located in Unit N of Section 27, Township 23 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

CASE 4056: Application of Albert Gackle for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Lower Queen formation in the perforated interval from approximately 3642 feet to 3699 feet in his Sinclair "A" State Well No. 5 located in Unit I of Section 23, Township 23 South, Range 36 East, Langlie-Mattix Pool, Lea County, New Mexico.

CASE 4057: Application of Charles B. Read for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special rules for the Quail-Queen Pool, Lea County, New Mexico, including a provision for 80-acre spacing and proration units.

CASE 4058: Application of Hiram W. Keith and Dalton Haines for salt water disposal, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to dispose of produced salt water into the Seven Rivers formation in the open-hole interval from approximately 3874 feet to 3951 feet in their State Well No. 2 located in Unit K of Section 16, Township 21 South, Range 34 East, West Wilson Pool, Lea County, New Mexico.

CASE 4059: Application of Hiram W. Keith and Dalton Haines for salt water disposal, Eddy County, New Mexico. Applicants, in the above-styled cause, seek authority to dispose of produced salt water into the Delaware formation in the open-hole interval from approximately 4030 feet to 4158 feet in their Eddy "AGA" State Well No. 2 located 660 feet from the North line and 1650 feet from the West line of Section 36, Township 26 South, Range 31 East, North Mason-Delaware Pool, Eddy County, New Mexico.

CASE 4060: Application of Sidney Lanier for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formations in the open-hole interval from approximately 3402 feet to 3650 feet in his I. B. Ogg "A" Well No. 5 located in Unit J of Section 35, Township 24 South,

(Case 4060 continued)

Range 36 East, Jalmat Yates-Seven Rivers Pool, Lea County, New Mexico.

CASE 4061: Application of Millard Deck Oil Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Seven Rivers and Queen formations in the open-hole interval from approximately 3752 feet to 3872 feet in its Atha Well No. 1 located in Unit M of Section 31, Township 21 South, Range 36 East, South Eunice Pool, Lea County, New Mexico.

CASE 4062: Application of Kersey & Company for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Queen formation in the perforated interval from approximately 1835 feet to 1870 feet in the Bass Well No. 3 located in Unit F of Section 12, Township 19 South, Range 28 East, East Millman Queen-Grayburg Pool, Eddy County, New Mexico.

CASE 4063: Application of Kerr-McGee Corporation for the creation of a new gas pool and special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new pool for the production of gas from the Morrow formation by its Nix Well No. 1 located in Unit L of Section 11, Township 19 South, Range 26 East, Eddy County, New Mexico, and for the promulgation of special pool rules therefor, including a provision for 640-acre spacing.

CASE 4064: Application of Atlantic Richfield Company for salt water disposal, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the perforated interval from approximately 4207 feet to 4286 feet in its Tucker Well No. 4 located in Unit O of Section 23, Township 7 South, Range 32 East, Chaveroo-San Andres Pool, Roosevelt County, New Mexico.

CASE 4065: Application of Humble Oil & Refining Company for an unorthodox oil well location and reclassification of a water well to an oil well, Lea County, New Mexico. Applicant, in the above-styled cause, seeks to have its New Mexico State "S" Water Source Well No. 4 (CP-427), located at an unorthodox oil well location 650 feet from the West line and 175 feet from the

South line of Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, reclassified as an oil well for the production of oil an undesignated San Andres Oil Pool and authority to produce same as an oil well.

CASE 4066: Application of Humble Oil & Refining Company for the consolidation of two non-standard gas proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the consolidation of two existing non-standard 320-acre gas proration units into one standard 640-acre unit comprising all of Section 26, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, to be dedicated to its New Mexico State "G" Wells Nos. 2 and 4 located in Units P and G, respectively, of said Section 26. Applicant further seeks authority to produce the allowable assigned to said unit from either of said wells in any proportion.

CASE 4067: Application of Benson-Montin-Greer Drilling Corporation for special pool rules, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the La Plata-Gallup Pool, San Juan County, New Mexico, including a provision for 160-acre spacing and proration units. Applicant further requests that said special rules provide that the unit allowable for a 160-acre unit in said pool be allocated on the basis of four times the normal unit allowable for Northwest New Mexico, and that no credit be given for depth factors. Applicant further requests that said special rules be limited in their application to the exterior boundaries of the La Plata-Mancos Unit Area.

CASE 4068: Application of Martin Yates III for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Delaware formation in its Yates & Hanson McCord Well No. 1 located in Unit E of Section 22, Township 23 South, Range 26 East, Dark Canyon Field, Eddy County, New Mexico. Applicant further seeks a procedure whereby its Cordie King Well No. 2 located in Unit K of said Section 22 may be approved for the disposal of salt water without the requirement of notice and hearing.

Examiner Hearing  
February 26, 1969

CASE 4045: (Continued from the February 5, 1969 Examiner Hearing)  
Application of H & S Oil Company for an amendment to Order No. R-3357, as amended by Order No. R-3357-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3357, as amended by Order No. R-3357-A, which order authorized the H & S West Artesia Unit Unit Waterflood Project. Applicant proposes to substitute the Roach Drilling Company-Leonard Well No. 18 located in Unit D of Section 17 as a water injection well in said project in lieu of the Cities Service-Mell Well No. 17 located in Unit M of Section 8, both in Township 18 South, Range 28 East, Artesia Pool, Eddy County, New Mexico.

CASE 4069: Application of Union Oil Company of California for the creation of a new pool, assignment of discovery allowable, and the promulgation of special pool rules, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks the creation of a new Devonian oil pool for its Midway State Well No. 1 located in Unit F of Section 12, Township 17 South, Range 36 East, Lea County, New Mexico, and for the assignment of an oil discovery allowable in the amount of approximately 57,380 barrels to said well. Applicant further seeks the promulgation of special pool rules for said pool, including a provision for 80-acre proration units.

CASE 4070: Application of C. E. LaRue and B. N. Muncy, Jr., for salt water disposal, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to dispose of produced salt water into the salt and Yates formations in the open-hole interval from approximately 1254 feet to 3000 feet in the La Rue-Muncy John "B" Well No. 2 located in Unit A of Section 35, Township 17, South, Range 32, East, Maljamar Grayburg-San Andres Pool, Lea County, New Mexico.

*Oil Reports and Gas Services*

P. O. BOX 763  
HOBBS, NEW MEXICO

W. L. SMITH, OWNER

January 24, 1969

EX 5-2727

State of New Mexico  
Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

Gentlemen:

In accordance with Rule 1203 application is hereby made on behalf of Albert Gackle, Operator for an Examiner Hearing before the Oil Conservation Commission for the purpose of presenting evidence to obtain Commission approval to dispose of produced oil field brine by injection into the Lower Queen formation.

Said injection to be made into the Albert Gackle, Operator - Sinclair "A" State No. 5, located 1980 feet from the South line and 660 feet from the East line of Section 23, Township 23 South, Range 36 East, Langlie Mattix Pool, Lea County, New Mexico; injection to be made through 2 7/8" tubing below Baker Model "AD" packer set at approximately 3625 feet into perforations 3642 to 3699 feet.

Water to be so disposed to be treated before injection; consisting of approximately 300 barrels per day produced from the Albert Gackle, Operator - Sinclair "A" State lease comprising the South 1/2 of said Section 23.

Interested parties who have this day been furnished a copy of this application:

Continental Oil Company  
P. O. Box 460  
Hobbs, New Mexico

Humble Oil & Refining Company  
P. O. Box 2100  
Hobbs, New Mexico

Shell Oil Company  
P. O. Box 1509  
Midland, Texas

Sinclair Oil Corporation  
P. O. Box 1920  
Hobbs, New Mexico

Texas Pacific Oil Company  
P. O. Box 1069  
Hobbs, New Mexico

Wolfson Oil Company  
311 Midland Nat'l Bank Bldg.  
Midland, Texas

Yours very truly,

OIL REPORTS AND GAS SERVICES

DH/kh

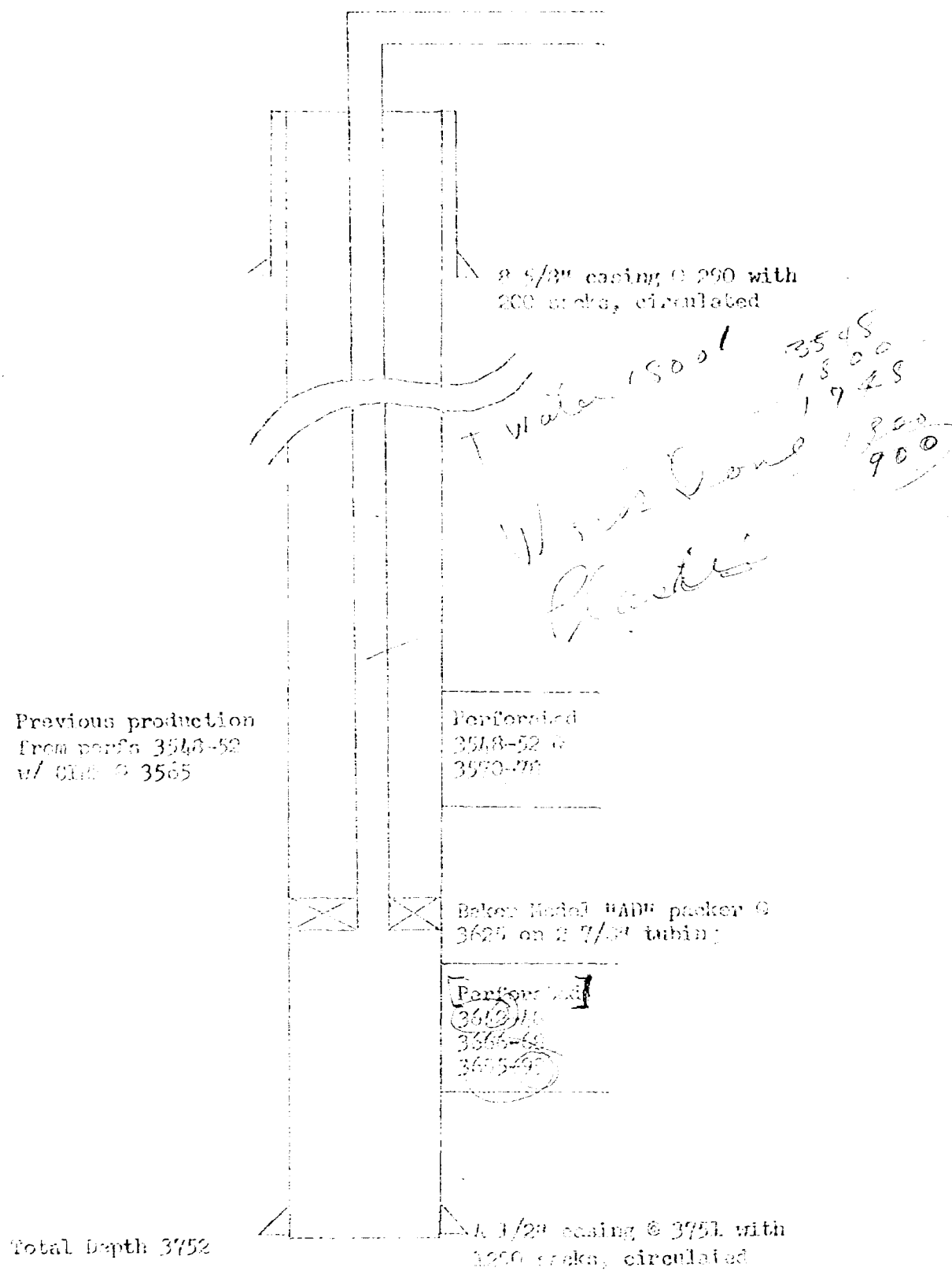
BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
<u>Gackle</u>	EXHIBIT NO. <u>2</u>
CASE NO. <u>405-6</u>	

W. L. Smith  
W. L. Smith  
Agent, Albert Gackle, Operator





DIAGRAMMATIC SKETCH  
of Proposed Installation of  
Water Injection Equipment



Proposed for: Albert Gaskin  
Sincclair Ref State No. 5  
1960: FST 5 (60) FSL  
Spc. 23, 1230, 1370  
Langleie No. 1 in Pool  
Los Angeles, Los Angeles

Oil Reports and Gas Services

P. O. BOX 763  
HOBBS, NEW MEXICO

W. L. SMITH, OWNER

January 24, 1969

EX 3-2727

State of New Mexico  
Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

4056  
Case 4046

Gentlemen:

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Water to be so disposed to be treated before injection; consisting of approximately 300 barrels per day produced from the Albert Gackle, Operator - Sinclair "A" State lease comprising the South 1/2 of said Section 23.

Interested parties who have this day been furnished a copy of this application:

Continental Oil Company  
P. O. Box 460  
Hobbs, New Mexico

Humble Oil & Refining Company  
P. O. Box 2100  
Hobbs, New Mexico

Shell Oil Company  
P. O. Box 1509  
Midland, Texas

Sinclair Oil Corporation  
P. O. Box 1920  
Hobbs, New Mexico

Texas Pacific Oil Company  
P. O. Box 1069  
Hobbs, New Mexico

Wolfson Oil Company  
311 Midland Nat'l Bank Bldg.  
Midland, Texas

Yours very truly,

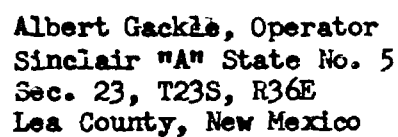
OIL REPORTS AND GAS SERVICES

W. L. Smith  
W. L. Smith  
Agent, Albert Gackle, Operator

DH/kh

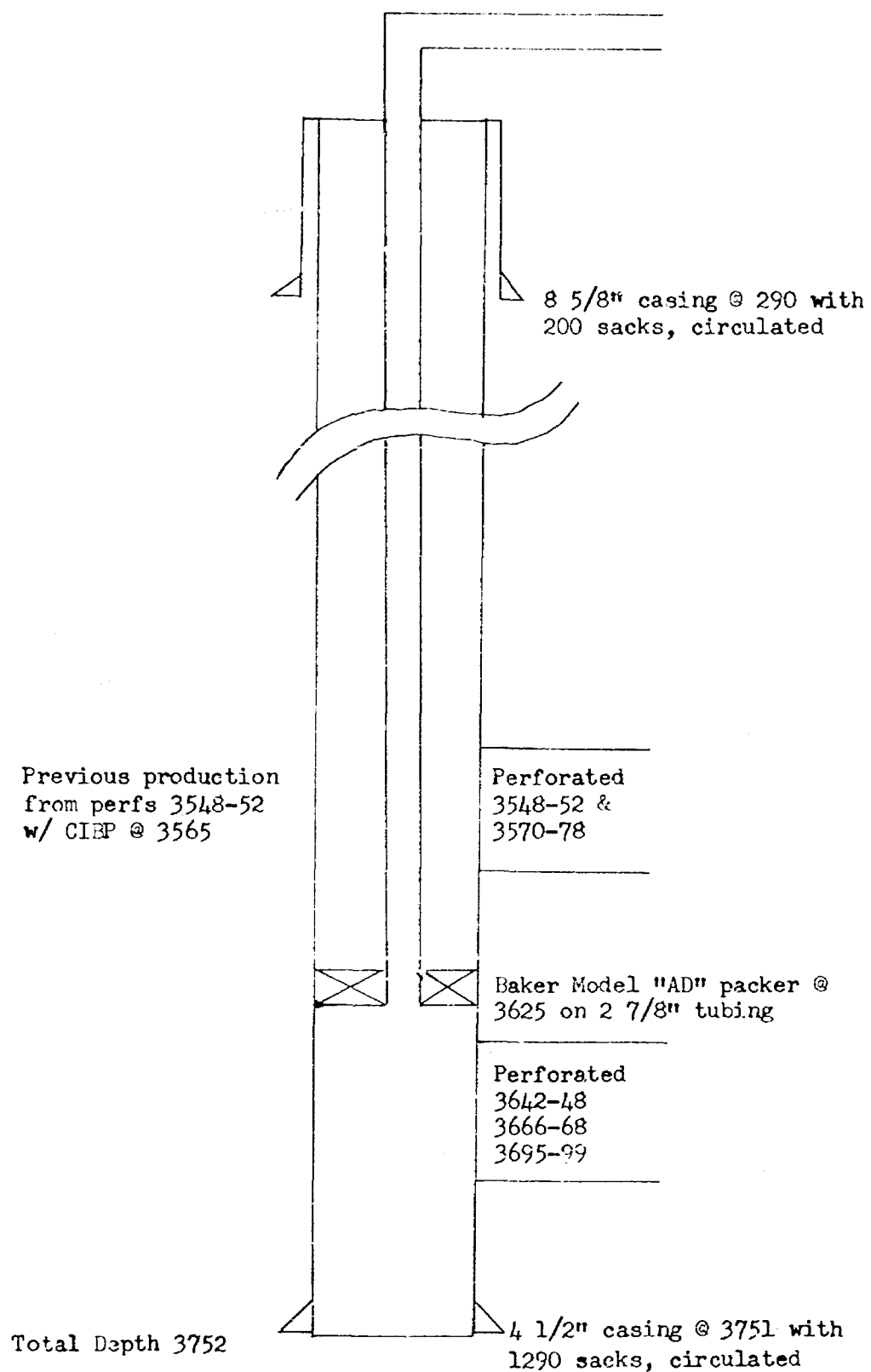
DOCKET NUMBER

Date 2-13-69



Case ~~4046~~  
4056

DIAGRAMMATIC SKETCH  
of Proposed Installation of  
Water Injection Equipment



Proposed for: Albert Gackle  
Sinclair "A" State No. 5  
1980' FSL & 660' FEL  
Sec. 23, T23S, R36E  
Langlie Mattix Pool  
Lea County, New Mexico

4056  
Case #4046

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. 4056

Order No. R- 3691

*gm* *ALP*  
APPLICATION OF ALBERT GACKLE  
FOR SALT WATER DISPOSAL, LEA  
COUNTY, NEW MEXICO. *dsr*

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 26, 1969,  
at Santa Fe, New Mexico, before Examiner Elvis A. Utz

NOW, on this 26 day of Feb, 1969, the Commission, a  
quorum being present, having considered the testimony, the record,  
and the recommendations of the Examiner, 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, Albert Gackle,  
is the owner and operator of the Sinclair "A" State Well No. 5,  
located in Unit I of Section 23, Township 23 South, Range  
36 East, NMPM, Langlie-Mattix Pool, Lea  
County, New Mexico.

(3) That the applicant proposes to utilize said well to  
dispose of produced salt water into the Lower Queen  
formation, with injection into the perforated interval  
from approximately 3642 feet to 3699 feet.

(4) That the injection should be accomplished through  
2 7/8 -inch plastic-lined tubing installed in a packer set at

approximately 3625 feet, <sup>and that a hydrostatically balanced column of inert fluid should be maintained in the casing-tubing annulus.</sup> ~~that the casing-tubing annulus should be filled with an inert fluid, and that a pressure gauge should be attached to the annulus or the annulus left open at the surface in order to determine leakage in the casing, tubing, or packer.~~

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Albert Gackle, is hereby authorized to utilize <sup>his</sup> ~~xxx~~ Sinclair "A" State Well No. 5, located in Unit I of Section 23, Township 23 South, Range 36 East, NMPM, Langlie-Mattix Pool, Lea County, New Mexico, to dispose of produced salt water into the Lower Queen formation, injection to be accomplished through 2 7/8-inch tubing installed in a packer set at approximately 3625 feet, with injection into the perforated interval from approximately 3642 feet to 3699 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined <sup>and that a hydrostatically balanced column of inert fluid shall be maintained in the casing-tubing annulus.</sup> ~~that the casing-tubing annulus shall be filled with an inert fluid, and that a pressure gauge shall be attached to the annulus or the annulus left open at the surface in order to determine leakage in the casing, tubing, or packer.~~

(2) That the applicant shall submit monthly reports of ~~xxx~~ his disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(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.