

CASE 3991: Application of ROGER
C. HANKS, Ltd. FOR SALT WATER
DISPOSAL, LEA COUNTY, N. MEX.

CASE 3991: Application of ROGER
C. HANKS, Ltd. FOR SALT WATER
DISPOSAL, LEA COUNTY, N. MEX.

Case Number

3991

Application

Transcripts.

Small Exhibits

ETC.

dearnley-meier reporting service, inc.

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

December 27, 1968

EXAMINER HEARING

IN THE MATTER OF:)
)
)

Application of Roger C.)
Hanks, Ltd., for salt)
water disposal, Lea)
County, New Mexico.)

Case No. 3991

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. HATCH: Case 3991, continued and readvertised.

Mr. Examiner, this case was heard on December 11th, but the disposal zone name of the well had not been properly advertised, and so the case was continued and readvertised. However, it was heard on December 11th.

MR. NUTTER: And the notice as given here for disposal into the open hole interval from approximately 10,804 feet to 10,885 feet is in accordance with the testimony offered at the hearing of the case?

MR. HATCH: Yes.

MR. NUTTER: Are there any appearances to be made in Case 3991? We will take the case under advisement and call Case 4015.

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 Mortelette
 COURT REPORTER

I do hereby certify that the foregoing is a complete record of the proceedings in the hearing of Case No. 3991, heard by me on 12/27, 1968.

Osuna, President
 New Mexico Oil Conservation Commission

dearnley-meier

SPECIALIZING IN: DISPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS
1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-6891 • ALBUQUERQUE, NEW MEXICO



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
December 11, 1968

EXAMINER HEARING

IN THE MATTER OF:)

Application of Roger C.)
Hanks, Ltd., for salt water)
disposal, Lea County, New)
Mexico.)

CASE NUMBER
3991

BEFORE:

ELVIS A. UTZ, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 3991.

MR. HATCH: Application of Roger C. Hanks, Ltd.,
for salt water disposal, Lea County, New Mexico.

MR. HINKLE: Clarence Hinkle, of Hinkle, Bondurant
and Christy, of Roswell, appearing on behalf of Roger C.
Hanks, Ltd. Mr. Examiner, it is not Limited. It is just
Roger C. Hanks.

MR. HATCH: We will take the Limited off of this.

MR. HINKLE: Apparently so. We have Mr. Hanks as
a witness, and three exhibits.

MR. UTZ: Are there any other appearances? Proceed.

(Whereupon, Applicant's
Exhibits 1, 2 and 3 were
marked for identification.)

(Witness sworn.)

ROGER C. HANKS

called as a witness by the applicant, having been first duly
sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. HINKLE:

Q Will you state your name and your residence?

A My name is Roger Hanks. I live in Wichita Falls,
Texas.

Q Have you previously testified before the Oil

Conservation Commission?

A I have.

Q And your qualifications as a geologist are a matter of record with the Commission?

A That is correct.

Q Are you familiar with your application in this case, Number 3991?

A Yes.

Q What are you seeking by this application?

A I am seeking to dispose of water in the Devonian Formation, of which I have conducted the re-entry operations of the Gulf State Well, and washed this hole to bottom, and set five-and-a-half inch casing at a depth of 10,804, cemented it with 150 sacks of sulphur-resistant cement, set on a packer shoe.

Q Are you just seeking by this application permission to use this well as a salt water disposal?

A Yes, that is correct.

Q Have you prepared certain exhibits to be introduced in this case or were they prepared under your direction?

A That is correct.

Q Refer to your Exhibit Number 1, and explain to the Examiner what this is and what it shows.

A This is a plat showing the existing Devonian production in the area, and the disposal datum at the SRB in the north end of the map, which is indicated by a red dot, and in the Mescalero Field which is some eight miles to the south. The red dots there indicate the Devonian existing production.

I believe that the two south wells in the Mescalero Field producing from the Devonian have been plugged. I believe there are only two existing wells in that field at this time.

The green dot to the north offsetting the Amarado-Devonian Well is an existing Devonian salt water disposal well, disposing the water being produced from the Amarado SRB.

Q Does this plat also show the ownership of the acreage in the area?

A Yes, the ownership within two miles of the proposed Devonian Zone is shown on this map, and it also shows the offset lease owners, and they have each been contacted.

Q Now, have you filed with the application an electric log of your proposed disposal well?

A Yes, sir, I have.

Q And the exhibit which is marked Exhibit Number 2 is the log of the disposal well?

A That is correct.

Q Do you have any particular comments with respect to

the log of this well?

A No, sir. The disposal well is marked on that, the bottom of that electric log where we plan to --

Q What is the status of the proposed disposal well at the present time?

A I am today picking up tubing to go to bottom and drill out the cement, and clean out the interval from 10,804 to 10,885. Now, I believe the application shows from 10,835 to 10,965. We went in this hole with the intention of deepening it to possibly better porosity in the Devonian, and I lost circulation and got stuck after getting it to bottom in the re-entry process last week. So we are at this time preparing to drill out to wash the bottom with fresh water and clean it up, acidize it and then run injection tests.

Q Refer to your Exhibit Number 3 and explain what this shows.

A This is a diagrammatic sketch showing the casing and the present status of this well, or the future status of this well if the Commission grants us permission, approval to dispose of the Devonian. It has thirteen-and-three-eighths inch casing set at 472 feet with 375 sacks of cement. It has nine-and-five-eighths intermediate casing set at 3,476, 1,250 sacks; five-and-a-half inch casing set at 10,804, with 150

sacks of sulphur-resistant cement setting on a packer sheet.

Q Is that the string which you just previously testified to that you just recently set?

A Right. If the well is successful and we are able to, if it will take water at a sufficient rate, we will then set two-and-seven-eighths inch tubing to a depth of 10,824.

Q How will that tubing be lined?

A It will landed in the head of the well, supported in the head, and an oil blanket will be floated between the annulus of the five-and-a-half and the two-and-seven-eighths. I will calculate the correct gravity of oil to maintain a static fluid level, maintaining a fifty-pound positive surface pressure.

The purpose of maintaining the pressure would be for observation, increase in contamination to the zone disposing, which in turn will increase the pressure. As contamination builds on the formation, it will in turn increase the pressure on the annulus. The oil blanket affords a more positive control over the packer method, in my opinion, in that if a leak or hole comes in either string, casing pressure will drop.

Q You will have a gauge on the annulus?

A Yes. And we plotted increased pressure. As the

contamination builds up, the oil blanket will rise up to the annulus on the side, and an accurate plot of that will be checked in order to ascertain treatment.

Q Will you use a lined tubing?

A Yes. I purchased and am in the process of lining the 10,824 feet of two-and-seven-eighths NA tubing with a process called Dualine, which is made by inserting a full-strength normal wall thickness PDC tube into steel pipe, and filling the annular space with a special mortar applied with pressure, and there is a squeeze existing between the annulus of the plastic tube and the wall of the tubing. The ends of the plastic tubing are flared back so that those ends are flat and can be sealed in the collar. In the process of running the pipe, the lining is positioned on the pipe and the collar end of the threaded pipe so that the collar is protected 100 per cent from corrosion. When special steels are used, the pipe is made up to API specifications.

This Dualine process is, in my opinion, far in advance of anything I have been able to determine to prevent holidays from existing in plastic-lined tubing, and will further protect our system to the purpose for which it is presented.

Q How much water do you contemplate disposing of in

this well?

A At the present time, I am estimating between 4,000 and 6,000 barrels.

Q Where will that water come from?

A 83,000 feet of four-inch PBC plastic pipe on a gathering system which is being surveyed, and applications for permits, and easements, and right-of-ways are being prepared at this time.

Q Are you gathering this water from leases, your own leases, or from others?

A There will be one other partner with me with two wells, but the majority of them, the remainder are mine.

Q And approximately what distance from the disposal well are these properties?

A The furthest one away is eleven miles.

Q Is that the farthest one or the closer?

A The farthest.

Q The others are in between?

A And the closest one is a mile.

Q In your opinion, by the disposal of salt water in the Devonian Formation in this proposed injection well, will it interfere with the production of any other wells in the area?

A No, sir.

Q No other producing wells that it could affect?

A No, sir.

Q Will the system which you have described be a closed system in order to prevent corrosion?

A Yes, sir. I have specified to the operators that we will use a treater type disposal system, which over two-thirds of it will be gravity. And we will dispose at the treater into a production tank, which will have an oil blanket on it, and then with a siphon over into a disposal tank, of which will then be disposed of into the well with a plunger-type open and closing valve on the high-low levels in the tank.

Q Do you anticipate that this water will be disposed of, that is transported and disposed of by gravity?

A For part of the system, two-thirds. The other part will require a pump of forty pounds to push it. There is approximately fifteen foot elevation difference, which will require a little boost for approximately a third of the line.

Q Have you furnished to the operators in surrounding areas, the area surrounding this injection well, copies of the application, and have requested waivers from them?

A I have, sir.

Q Can you state the ones that you have received waivers from?

A I have received waivers from Sea Service, Ralph Lowe, Wil Mc Oil Corporation, Reading and Bates, Shell Oil Corporation, Getty Oil, Pan American Petroleum, General Petroleum, Incorporated, Lario Gas, BTA, Oil Producers, Coastal States Producing Company, Southland Royalty, Amarado Petroleum, Del Lea, Incorporated, and J. M. Kelly.

Q Are these all or substantially all of the operators in the area surrounding the well?

A Yes, sir, we got all but four, I believe.

Q Who are the ones that you requested that you did not get?

A Fina, Mobil, Midwest, Superior, Humble.

Q Did you receive any indication of objections from any of those that you did not get waivers from?

A No, sir.

Q Do you have waivers from those that you stated that had executed the waivers?

A Do I have --

Q Do you have the waivers from those companies that you have testified that gave you waivers?

A Yes, sir.

MR. HINKLE: We would like to incorporate in the file as a matter of record, and not identify individually, all of those waivers which have been obtained.

We would like to offer in evidence Exhibits 1, 2 and 3.

MR. UTZ: You don't want that as an exhibit?

MR. HINKLE: No, I don't think it is necessary to identify them all. He testified who they are, and we will file them as a matter of record.

MR. UTZ: They will be entered into the record. Without objection, Applicant's Exhibits 1 through 3 will be received in evidence.

(Whereupon, Applicant's Exhibits 1-3 were admitted in evidence.)

Q Is there anything else you would like to comment on with respect to this injection well?

A No, sir, other than the fact that it is not designed as a commercial disposal system. It is only designed to take care of my present needs for salt water disposal, and I have been contacted by several area operators who would like to join in the system, and I indicated to them that I would restrict the system due to the noncompatibility of other waters, and that I would accept other operators once I saw the

performance of my oil.

Q Do you anticipate that that well will be ready to use for injection purposes by January 1st?

A No, sir. We are working very hard, but there is no conceivable way that we can possibly be completed by January 1st. The pipelines are ready. They can't go in until --

Q Well, the well will be ready, but it is a matter of constructing the pipeline to these area leases?

A I should have the well ready the day after tomorrow, and then it will be a question of easements and pipeline right-of-way. And they have all been contracted. The bid is let, and the pipe purchased.

Q And you will make a diligent effort to lay a pipeline as soon as possible?

A Yes, sir. I was aiming at January 1st, but I would not guarantee that I would be there on that day, but every effort will be made to get there.

MR. HINKLE: That is all the direct examination.

CROSS EXAMINATION

BY MR. UTZ:

Q We note that your disposal interval which you testify to is different than the one that we advertised.

A Yes, sir. The purpose, as I have reported to Mr. Hinkle, in applying for this application was that I anticipated in drilling another 100 feet, but I got to bottom and got stuck, and pumped up out of the Devonian and all circulation in it. At running the risk of losing the hole, I came out and attempted to then run my casing. This happened during the course of the well, we were stuck and could not actually drill any deeper. However, in my opinion, the fact that we lost circulation in that zone, and there was a drill stem test run on that well in 1955 when it was drilled, and it recovered 8,000 feet of sulphur water, so I am satisfied there is enough porosity there to take care of it. I could deepen it if I had to.

Q Then your disposal interval will be 10,824 to 10,885?

A Well, the tubing will be -- no, I would call it from 10,804, because the tubing will be inserted below that, to be sure we are out of the five-and-a-half, because I don't want that water to back up into my casing because it will corrode the casing. So we are attempting to get an oil blanket right on bottom.

Q Well, the bottom will be 10,885?

A Yes. The present TD of the well, we did reach TD with the pipe, and then had to pump back out of it.

Q Do you think this will have to be readvertised?

A Since it is going to be 10,804, I think we should continue it and readvertise.

MR. HINKLE: I would assume that you would not have to come back again.

MR. UTZ: I don't think you will need to come back, or that it will hold you up at all.

MR. HINKLE: There would be no objection to going ahead and using it as a disposal, in the meantime?

MR. UTZ: No.

MR. HINKLE: We have no objection to readvertising it, then. Of course, practically all of the operators in the area have been notified, and there is no objection. So I don't anticipate any objection.

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

(Witness excused.)

MR. UTZ: Any other statements in this case?

The case will be taken under advisement.

I N D E X

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E X H I B I T S

<u>NUMBER</u>	<u>MARKED FOR IDENTIFICATION</u>	<u>OFFERED AND ADMITTED IN EVIDENCE</u>
Exhibits 1-3	2	11

STATE OF NEW MEXICO)
) ss
 COUNTY OF BERNALILLO)

I, SAM MORTELETTE, Notary Public 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.

Witness my Hand and Seal this 30th day of December, 1968

Sam Mortelette
 NOTARY PUBLIC

I do hereby certify that the foregoing is a correct record of the proceedings in the hearing of Case No. 3991, heard by me on Dec. 11, 1968.

Thos. G. [Signature]
 Examiner
 New Mexico Oil Conservation Commission

GOVERNOR
DAVID F. CARGO
CHAIRMAN

State of New Mexico
Oil Conservation Commission



LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

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

P. O. BOX 2088
SANTA FE

December 31, 1968

Mr. Clarence Hinkle
Hinkle, Bondurant & Christy
Attorneys at Law
Post Office Box 10
Roswell, New Mexico 88201

Re: Case No. 3991
Order No. R-3653
Applicant:
Roger C. Hanks

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.
A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

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. 3991
Order No. R-3653

APPLICATION OF ROGER C. HANKS, LTD.,
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 December 27, 1968, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 31st day of December, 1968, 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, Roger C. Hanks, is the owner and operator of the Monterey State Well No. 1, located in Unit A of Section 11, Township 10 South, Range 32 East, NMPM, Mescalero Field, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the Upper Devonian formation, with injection into the open-hole interval from approximately 10,804 feet to 10,885 feet.

(4) That the injection should be accomplished through 2 7/8-inch plastic-lined tubing set at approximately 10,804 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should be attached to

-2-

CASE No. 3991
Order No. R-3653

the annulus 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:

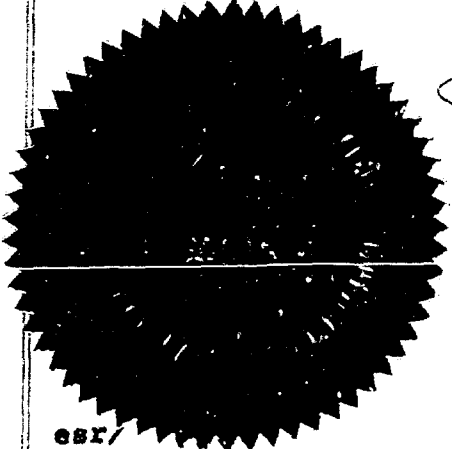
(1) That the applicant, Roger C. Hanks, is hereby authorized to utilize his Monterey State Well No. 1, located in Unit A of Section 11, Township 10 South, Range 32 East, NMPM, Mescalero Field, Lea County, New Mexico, to dispose of produced salt water into the Upper Devonian formation, injection to be accomplished through 2 7/8-inch tubing set at approximately 10,804 feet, with injection into the open-hole interval from approximately 10,804 feet to 10,885 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

(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 E. Cargo
DAVID E. CARGO, Chairman

Guston B. Hays
GUSTON B. HAYS, Member

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

esr/

CASE 4014: Application of Ralph Lowe 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 Devonian formation in the perforated interval from approximately 12,350 feet to 12,455 feet in his "C" Devonian Unit Well No. 1 located in Unit O of Section 16, Township 10 South, Range 36 East, South Crossroads-Devonian Pool, Lea County, New Mexico.

CASE 3991: (Continued and Readvertised)

Application of Roger C. Hanks, Ltd., 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 Devonian formation in the open-hole interval from approximately 10,804 feet to 10,885 feet in its Monterey State Well No. 1 located in Unit A of Section 11, Township 10 South, Range 32 East, Mescalero Field, Lea County, New Mexico.

CASE 4015: Application of Wilson 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 Yates-Seven Rivers formations, Wilson Yates-Seven Rivers Pool, Lea County, New Mexico, through the following six wells:

TOWNSHIP 21 SOUTH, RANGE 34 EAST

Wilson State Well No. 9 located in Unit F of Section 13;

Shell State Well No. 13 located in Unit H of Section 13;

Wilson State Well No. 8 located in Unit O of Section 13;

Wilson State Well No. 20 located in Unit B of Section 23;

Wilson State Well No. 21 located in Unit J of Section 23;

TOWNSHIP 21 SOUTH, RANGE 35 EAST

Wilson State Well No. 1-A located in Unit G of Section 7;

Applicant further seeks an administrative procedure whereby other wells in said pool may be approved for disposal purposes without the requirement of notice and hearing.

PAN AMERICAN PETROLEUM CORPORATION

OIL AND GAS BUILDING

P. O. BOX 1410

FORT WORTH, TEXAS—76101

November 27, 1968

File: GHF-615-986.510.1

Subject: Salt Water Disposal Application
Roger C. Hanks' Monterey-State No. 1
Mescalero-Devonian Pool Area
Lea County, New Mexico

New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico 87501

Gentlemen:

We have been informed of Roger C. Hanks' application for approval for salt water disposal into the subject well. It is our understanding that this well is located in the NE/4 NE/4 of Section 11, T10S R32E, Lea County, New Mexico. Pan American Petroleum Corporation hereby waives notice of a hearing on the subject application.

Yours very truly,

Neil S. Whitmore
Neil S. Whitmore
District Production Superintendent

WCW:jn

cc: Roger C. Hanks
Petroleum Geologist
1102 Oil & Gas Bldg.
Wichita Falls, Texas

*Case 399/
file
Pool water would
contaminate lease water.
RMH*

CASE 3989: Application of Anadarko Production Company for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its Far West Loco Hills Unit Area by the injection of water into the Grayburg formation through 10 wells located in Sections 4, 9, and 16 of Township 18 South, Range 29 East, Loco Hills Pool, Eddy County, New Mexico.

CASE 3990: Application of Roger C. Hanks, Ltd., 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 and Glorieta formations in the perforated and open-hole interval from approximately 4500 feet to 6600 feet in its C. O. Drew Well No. 1 located in Unit J of Section 18, Township 8 South, Range 34 East, Milnesand Field, Roosevelt County, New Mexico.

CASE 3991: Application of Roger C. Hanks, Ltd., 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 Devonian formation in the open-hole interval from approximately 10,835 feet to 10,965 feet in its Gulf State Well No. 1 located in Unit A of Section 11, Township 10 South, Range 32 East, Mescalero Field, Lea County, New Mexico.

CASE 3992: Application of Roger C. Hanks, Ltd., 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 5150 feet to 5250 feet in its Mobil Federal Well No. 1 located in Unit A of Section 28, Township 8 South, Range 36 East, South Prairie Field, Roosevelt County, New Mexico.

CASE 3973: (Readvertised)

Application of Taylor Pruitt 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 4086 to 4455 feet in the Humble Federal Well No. 5 located in Unit B of Section 26, Township 7 South, Range 32 East, Chaveroo-San Andres Pool, Roosevelt County, New Mexico.

ROGER C. HANKS

PETROLEUM GEOLOGIST

1102 OIL & GAS BLDG.

WICHITA FALLS, TEXAS

TELEPHONE (817) 322-3741

November 22, 1968

✓ Cities Service Oil Company	✓ Lario Oil & Gas Company
✓ Ralph Lowe Estate	✓ BTA Oil Producers
American Petrofina Exploration Co.	The Superior Oil Company
Mobil Oil Corporation	✓ Coastal States Producing Co.
✓ Wil-Mc Oil Corporation	✓ Southland Royalty
✓ Reading & Bates, Inc.	Humble Oil & Refining Co.
✓ Shell Oil Company	✓ Amerada Petroleum Corporation
Midwest Oil Corporation	✓ Del-Lea, Inc.
✓ Getty Oil Company	Mr. C. B. Read
✓ Pan American Petroleum Corporation	✓ Mr. J. M. Kelly
✓ General Petroleum, Inc.	Mr. W. W. LaForce, Jr.

Re: Salt Water Disposal - Roger C. Hanks
Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

Gentlemen:

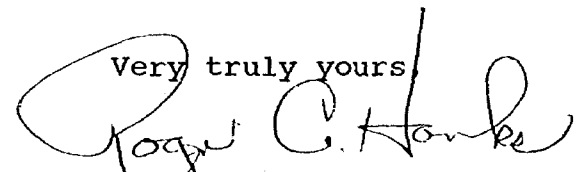
Roger C. Hanks plans to re-enter and conduct production tests of the referenced well for the purposes of disposing salt water in the Devonian formation encountered in the old Monterey-State hole at a depth of approximately 10,855'.

It is my intention to case this well and inject into the Devonian formation through dual lined 2 7/8" tubing with the annulus loaded with oil above a plastic-coated packer.

The Oil Conservation Commission of the State of New Mexico has set the date for the hearing on this disposal well on December 19, 1968. If you have no objections to this application, I would appreciate your signing and returning one copy of this waiver to the undersigned for presentation at this hearing.

The signing of this waiver in no way constitutes any liability on the part of the waivor in that the total liability rests with the operator.

Very truly yours,


Roger C. Hanks

RCH:rm

Waives Objection

Date: _____

Ralph Lowe Estate

Phone MU 4-7441

Box 832 Midland, Texas 79701

December 4, 1968

Mr. Roger C. Hanks
1102 Oil & Gas Building
Wichita Falls, Texas 76301

Re: Salt Water Disposal
Roger C. Hanks #1 Monterey-State
NE/4 NE/4 Sec. 11-10S-32E
Lea County, New Mexico
Lowe Lease #2353

Dear Sir:

We are enclosing one copy of waiver dated November 22, 1968, which has been executed on behalf of Ralph Lowe Estate, indicating that we have no objection to subject application.

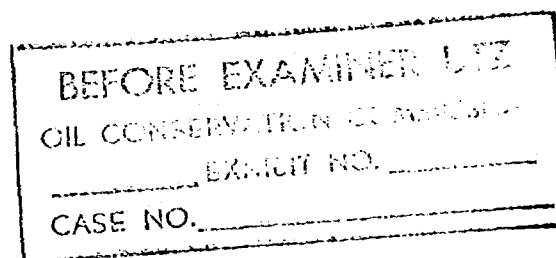
Yours very truly,

RALPH LOWE ESTATE

By:

Charles L. Morgan, Jr.
Charles L. Morgan, Jr.

CLM:jl
Encl.



ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-5741

November 22, 1968

Cities Service Oil Company
✓ Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
Wil-Mc Oil Corporation
Reading & Bates, Inc.
Shell Oil Company
Midwest Oil Corporation
Getty Oil Company
Pan American Petroleum Corporation
General Petroleum, Inc.

Lario Oil & Gas Company
BTA Oil Producers
The Superior Oil Company
Coastal States Producing Co.
Southland Royalty
Humble Oil & Refining Co.
Amerada Petroleum Corporation
Del-Lea, Inc.
Mr. C. B. Read
Mr. J. M. Kelly
Mr. W. W. LaForce, Jr.

Re: Salt Water Disposal - Roger C. Hanks
Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

Gentlemen:

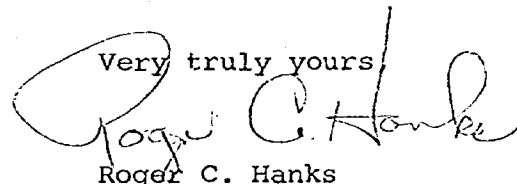
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The signing of this waiver in no way constitutes any liability on the part of the waivor in that the total liability rests with the operator.

Very truly yours,


Roger C. Hanks

RCH:m
Ralph Lowe Estate
By H. Landrum - G Exec. Waives Objection

Date: 11-27-68

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1963

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
Wil-Mc Oil Corporation
Reading & Bates, Inc.
Shell Oil Company
Midwest Oil Corporation
Getty Oil Company
Pan American Petroleum Corporation
General Petroleum, Inc.

Lario Oil & Gas Company
BTA Oil Producers
The Superior Oil Company
Coastal States Producing Co.
Southland Royalty
Humble Oil & Refining Co.
Amerada Petroleum Corporation
Del-Lea, Inc.
Mr. C. B. Read
✓ Mr. J. M. Kelly
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Re: Salt Water Disposal - Roger C. Hanks
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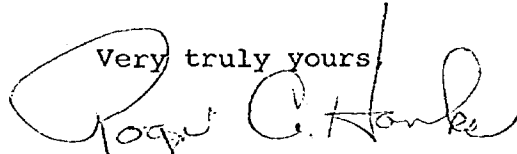
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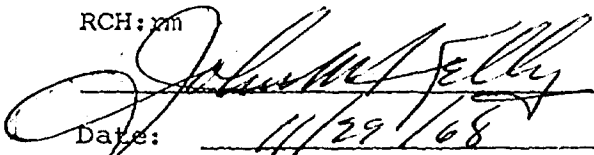
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Very truly yours,


Roger C. Hanks

RCH:rm


Waives Objection

Date: 11/29/68

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
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Shell Oil Company
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Monterey-State #1, NE NE Sec. 11-10S-32E
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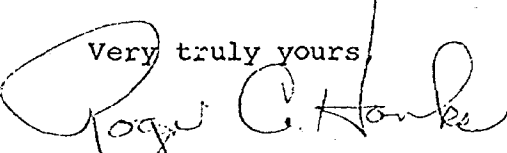
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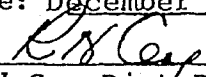

Roger C. Hanks

RCH:rm

GETTY OIL COMPANY

Waives Objection

Date: December 3, 1968


R.H. Coe, Dist. Prod. Manager

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

✓Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
Wil-Mc Oil Corporation
Reading & Bates, Inc.
Shell Oil Company
Midwest Oil Corporation
Getty Oil Company
Pan American Petroleum Corporation
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Mr. C. B. Read
Mr. J. M. Kelly
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Re: Salt Water Disposal - Roger C. Hanks
Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

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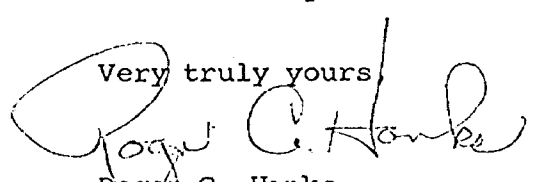
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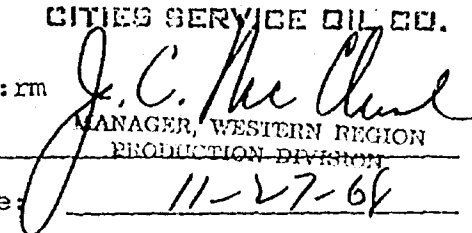
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Very truly yours,


Roger C. Hanks

CITIES SERVICE OIL CO.

RCH:rm


MANAGER, WESTERN REGION
PRODUCTION DEPARTMENT

Waives Objection

Date:

11-27-68

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
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Shell Oil Company
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Del-Lea, Inc.
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Mr. W. W. LaForce, Jr.

Re: Salt Water Disposal - Roger C. Hanks
Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

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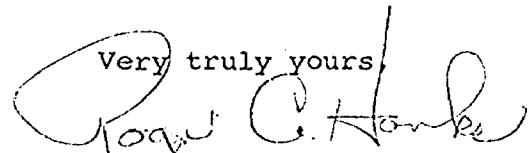
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Very truly yours,


Roger C. Hanks

RCH:rm

AMERADA PETROLEUM CORPORATION Waives Objection

Date: December 2, 1968


Proration Engineer

General Petroleum, Incorporated

P. O. BOX 840 PHONE 393-6220
HOBBS, NEW MEXICO 88240

November 26, 1968

Roger C. Hanks
Petroleum Geologist
1102 Oil & Gas Bldg.
Wichita Falls, Texas

Dear Sir:

In answer to your letter of November 22, 1968, General Petroleum, Inc. does not have any production in this area.

If there is any further question please let us know.

Sincerely,



Dale Skelton

*it's clear we have
any production in this
area.*

R PRINTING SERVICE

HOBBS, NEW MEXICO • Est. 1924

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
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Reading & Bates, Inc.
Shell Oil Company
Midwest Oil Corporation
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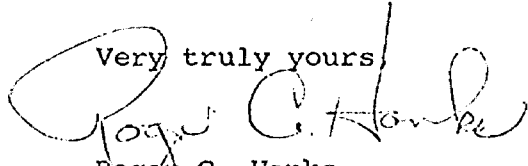
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Very truly yours,


Roger C. Hanks

RCH:rm

Waives Objection

Date: _____

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
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Re: Salt Water Disposal - Roger C. Hanks
Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

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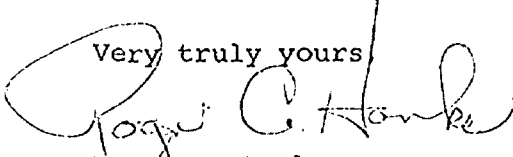
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Very truly yours,


Roger C. Hanks

RCH:rm

_____ Waives Objection

Date: _____



SHELL OIL COMPANY

WESTERN DIVISION
P. O. BOX 1509
MIDLAND, TEXAS 79701

November 26, 1968

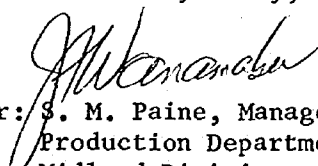
Mr. Roger C. Hanks
1102 Oil and Gas Building
Wichita Falls, Texas

Dear Mr. Hanks:

Attached are the approved copies of waivers for disposal into the Rodger C. Hanks Monterey-State No. 1, located in the NE/4 NE/4 of Section 11, 10-S, 32-E, Lea County, New Mexico, and the Chamber & Kennedy No. 1, located in the SW/4 NW/4 of Section 28, 8-E-36-E, Roosevelt County, New Mexico.

Shell has no objection to disposal of produced water, as outlined in the attached waivers.

Yours very truly,


For: S. M. Paine, Manager
Production Department-West
Midland Division

GAM:CW

Attachments

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
Wil-Mc Oil Corporation
Reading & Bates, Inc.
✓ Shell Oil Company
Midwest Oil Corporation
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Re: Salt Water Disposal - Roger C. Hanks
Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

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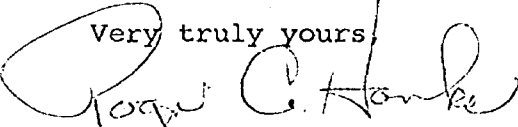
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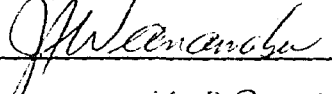
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Very truly yours,


Roger C. Hanks

RCH:rm SHELL OIL COMPANY


_____ Waives Objection
Date: 11-27-68

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (317) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
Wil-Mc Oil Corporation
✓Reading & Bates, Inc.
Shell Oil Company
Midwest Oil Corporation
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Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

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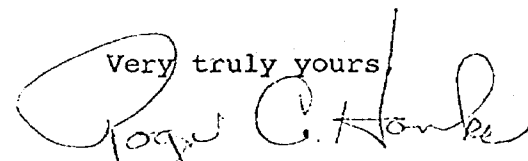
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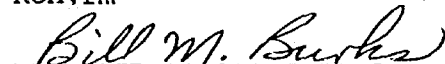
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Very truly yours,


Roger C. Hanks

RCH:rm READING AND BATES, INC.

 Waives Objection

Date: November 27, 1968

PAN AMERICAN PETROLEUM CORPORATION

OIL AND GAS BUILDING

P. O. BOX 1410

FORT WORTH, TEXAS—76101

November 27, 1968

File: GHF-615-986.510.1

Subject: Salt Water Disposal Application
Roger C. Hanks' Monterey-State No. 1
Mescalero-Devonian Pool Area
Lea County, New Mexico

New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico 87501

Gentlemen:

We have been informed of Roger C. Hanks' application for approval for salt water disposal into the subject well. It is our understanding that this well is located in the NE/4 NE/4 of Section 11, T10S R32E, Lea County, New Mexico. Pan American Petroleum Corporation hereby waives notice of a hearing on the subject application.

Yours very truly,

Original Signed

Neil S. Whitmore


By GHF

Neil S. Whitmore

District Production Superintendent

WCW:jn

cc: Roger C. Hanks
Petroleum Geologist
1102 Oil & Gas Bldg.
Wichita Falls, Texas



COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION
WILCO BUILDING
MIDLAND, TEXAS
79701

November 29, 1968

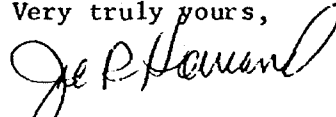
Mr. Roger C. Hanks
Petroleum Geologist
1102 Oil and Gas Building
Wichita Falls, Texas 76307

Re: Salt Water Disposal -
Roger C. Hanks Drew No. 1
Roger C. Hanks Chambers & Kennedy No. 1
Roger C. Hanks Monterey-State No. 1

Dear Sir:

As requested in your letters dated November 22, 1968,
we are enclosing approved waivers for the above mentioned
wells located in Lea and Roosevelt Counties, New Mexico.

Very truly yours,



Joe R. Howard
Division Production Superintendent

lo

Enclosures

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
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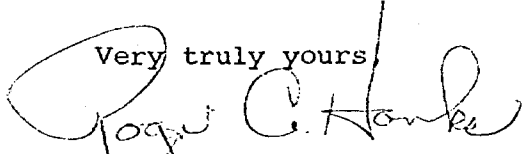
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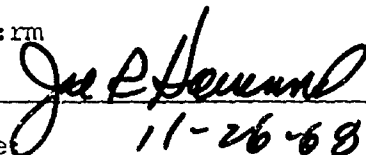
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Very truly yours,


Roger C. Hanks

RCH:rm

Date


11-26-68

Waives Objection

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-5741

November 22, 1968

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Monterey-State #1, NE NE Sec. 11-10S-32E
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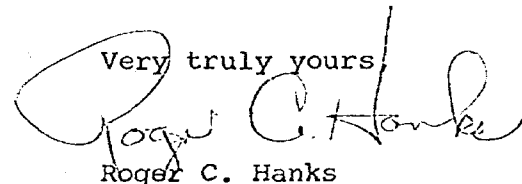
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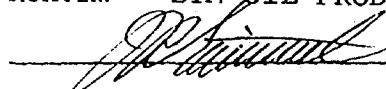
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Very truly yours,


Roger C. Hanks

RCH:rm BTA OIL PRODUCERS



Waives Objection

Date: 11-24-68

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-5741

November 22, 1968

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Pan American Petroleum Corporation
General Petroleum, Inc.

Lario Oil & Gas Company
✓ BTA Oil Producers
The Superior Oil Company
Coastal States Producing Co.
Southland Royalty
Humble Oil & Refining Co.
Amerada Petroleum Corporation
Del-Lea, Inc.
Mr. C. B. Read
Mr. J. M. Kelly
Mr. W. W. LaForce, Jr.

Re: Salt Water Disposal - Roger C. Hanks
Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

Gentlemen:

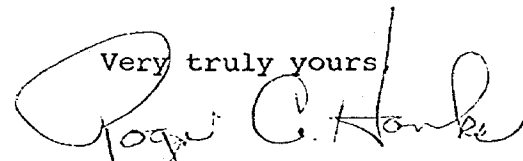
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It is my intention to case this well and inject into the Devonian formation through dual lined 2 7/8" tubing with the annulus loaded with oil above a plastic-coated packer.

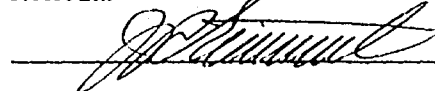
The Oil Conservation Commission of the State of New Mexico has set the date for the hearing on this disposal well on December 19, 1968. If you have no objections to this application, I would appreciate your signing and returning one copy of this waiver to the undersigned for presentation at this hearing.

The signing of this waiver in no way constitutes any liability on the part of the waivor in that the total liability rests with the operator.

Very truly yours,


Roger C. Hanks

RCH:rm BTA OIL PRODUCERS



Waives Objection

Date: 11-24-68

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
✓ Wil-Mc Oil Corporation
Reading & Bates, Inc.
Shell Oil Company
Midwest Oil Corporation
Getty Oil Company
Pan American Petroleum Corporation
General Petroleum, Inc.

Lario Oil & Gas Company
BTA Oil Producers
The Superior Oil Company
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Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

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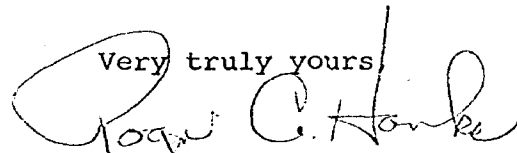
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Very truly yours,


Roger C. Hanks

RCH:rm

 Waives Objection

Date:

11/25/68

THE WIL-MC OIL CORP.

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-3741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
Wil-Mc Oil Corporation
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Midwest Oil Corporation
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Pan American Petroleum Corporation
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Re: Salt Water Disposal - Roger C. Hanks
Monterey-State #1, NE NE Sec. 11-10S-32E
Lea County, New Mexico

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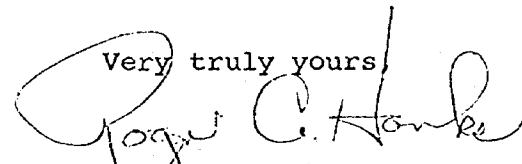
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Very truly yours,


Roger C. Hanks

RCH:rm

Lario O.G. Co. by R. A. F. Chase Waives Objection
Date: Nov 25, 1968

ROGER C. HANKS
PETROLEUM GEOLOGIST
1102 OIL & GAS BLDG.
WICHITA FALLS, TEXAS
TELEPHONE (817) 322-5741

November 22, 1968

Cities Service Oil Company
Ralph Lowe Estate
American Petrofina Exploration Co.
Mobil Oil Corporation
Wil-Mc Oil Corporation
Reading & Bates, Inc.
Shell Oil Company
Midwest Oil Corporation
Getty Oil Company
Pan American Petroleum Corporation
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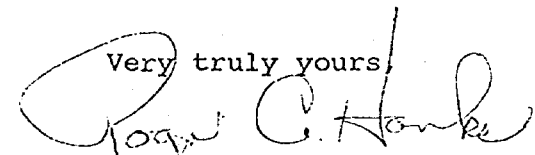
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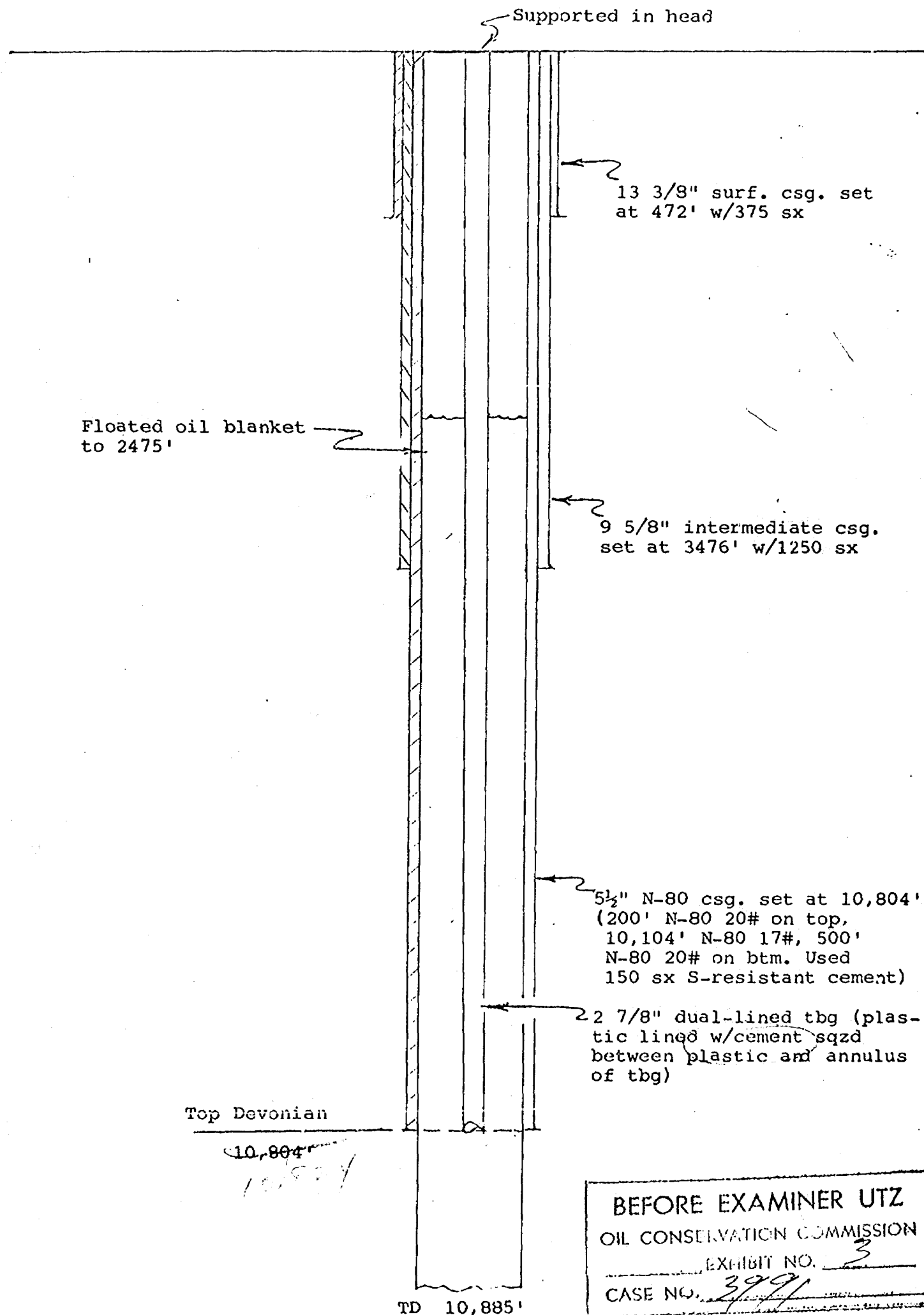
RCH:rm

Southland Royalty Company
By: Arthur C. Goodrich

Waives Objection

Date: 11-25-1968

DIAGRAMMATIC SKETCH -- ROGER C. HANKS #1 Monterey-State



CLARENCE E. HINKLE
W. E. BONDURANT, JR.
S. G. CHRISTY IV
LEWIS C. COX, JR.
PAUL W. EATON, JR.
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
MICHAEL R. WALLER

STUART O. SHANOR
C. D. MARTIN
PAUL J. KELLY, JR.

LAW OFFICES
HINKLE, BONDURANT & CHRISTY
600 HINKLE BUILDING
ROSWELL, NEW MEXICO 88201

MIDLAND, TEXAS OFFICE
521 MIDLAND TOWER
(915) MU 3-4691
OF COUNSEL: HIRAM M. DOW

December 10, 1968

TELEPHONE (505) 622-6510
POST OFFICE BOX 10

Oil Conservation Commission
Box 2088
Santa Fe, New Mexico 87501

Re: Case No. 3991

Gentlemen:

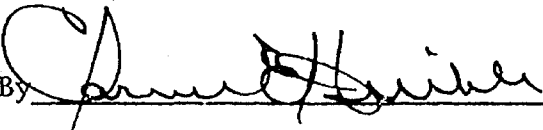
You placed the above case on the docket at our request as attorneys for Roger C. Hanks, Ltd., being the application of Hanks for authority to dispose of produced salt water into the lower Devonian formation in the Gulf State well No. 1 located in Unit A, Section 11, Township 10 South, Range 32 East, in the Mescalero Field, Lea County.

Mr. Hanks was delayed in furnishing us with the necessary plat, diagrammit sketch and log of the proposed disposal well and that is the reason why the formal application has not been filed. We have now received these instruments and there are enclosed herewith 3 copies of the application for approval of the above mentioned well as a salt water disposal well.

There are also filed herewith 3 copies of the electrical log of the disposal well.

Yours very truly,

HINKLE, BONDURANT & CHRISTY

By 

CEH:cs
Enc.

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

APPLICATION OF ROGER C. HANKS, LTD.)
FOR AUTHORITY TO DISPOSE OF PRODUCED)
SALT WATER INTO THE LOWER DEVONIAN)
FORMATION IN THE OPEN HOLE INTERVAL)
FROM APPROXIMATELY 10,835 FEET TO)
10,965 FEET IN THE MONTEREY-STATE)
(ALSO KNOWN AS THE GULF STATE) NO. 1)
WELL LOCATED IN UNIT A OF SECTION 11,)
TOWNSHIP 10 SOUTH, RANGE 32 EAST,)
LEA COUNTY, NEW MEXICO, MESCALERO)
FIELD.)

No.

Oil Conservation Commission
Box 2088
Santa Fe, New Mexico 87501

Comes Roger C. Hanks, Ltd. acting by and through the undersigned attorneys, and hereby makes application for authority to dispose of produced salt water into the lower Devonian formation in the open hole interval from approximately 10,835 feet to 10,965 feet in the Monterey-State (also known as the Gulf State) No. 1 well located in Unit A of Section 11, Township 10 South, Range 32 East, Lea County, New Mexico, in the Mescalero Field, and in support thereof respectfully shows:

1. Attached to, made a part hereof, and for purposes of identification marked Exhibit "A", is a plat showing the location of the proposed injection well, the location of all other wells within a radius of 2 miles from said proposed injection well producing from the Devonian formation, which plat also shows the owners of the oil and gas leases within said 2 mile radius. There is also filed herewith a log of the proposed injection well.

2. There is attached hereto, made a part hereof, and for purposes of identification marked Exhibit "B", a diagrammatic sketch of the proposed injection well showing the casing strings, including diameters and setting depths; quantities used and tops of cement; perforated

or open hole interval; tubing strings, including diameters and setting depths; and type and location of packer to be used.

3. That applicant contemplates re-entering the Gulf State No. 1 well originally drilled by Monterey Oil Company above referred to which was plugged and abandoned on or about April 6, 1955 and which was originally drilled to a total depth of 10,885 feet. Applicant will drill out all previously set plugs and deepen the hole approximately 120 to 150 feet into the lower part of the Devonian formation and run 5½" casing and cement the same for the purpose of disposing of salt water into the lower part of the Devonian formation. Initial tests will be made to determine if the formation will take water in sufficient quantities and the formation will be acidized and a string of 2 7/8" plastic dual lined tubing will be run with a plastic coated packer with the annulus between the tubing and 5½" casing loaded with oil. It is anticipated that from 2,000 to 4,000 barrels of water per day will be disposed of in the well.

4. The above referred to well into which the water is to be injected is structurally low as to the Devonian formation and in the opinion of applicant the injection of water will not damage or interfere in any way with any producing formations or zones in the area, and that the disposal of salt water as contemplated herein will be in the interest of conservation and the prevention of waste.

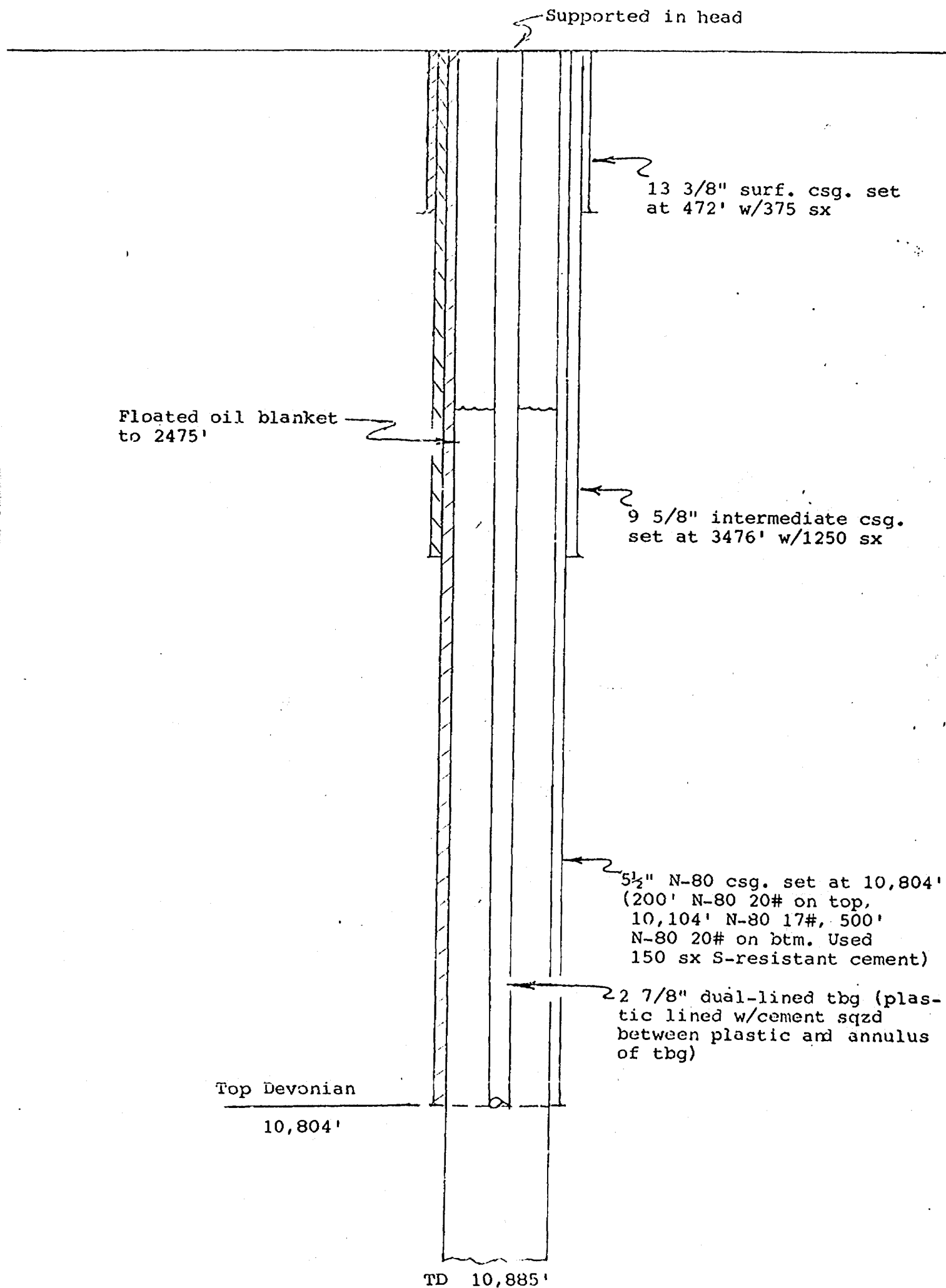
Respectfully submitted,

ROGER C. HANKS, LTD.

By 

Member of the Firm of
HINKLE, BONDURANT & CHRISTY
Box 10
Roswell, New Mexico
Attorneys for Applicant

DIAGRAMMATIC SKETCH -- ROGER C. HANKS #1 Monterey-State



DRAFT

GMH/esr

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. 3991

Order No. R-3653

APPLICATION OF ROGER C. HANKS, LTD.,
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 December 27, 1968,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter

NOW, on this day of December, 1968, 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, Roger C. Hanks, Ltd.,
is the owner and operator of the Monterey State Well No. 1,
located in Unit A of Section 11, Township 10 South, Range
32 East, NMPM, Mescalero Field, Lea
County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the upper ~~lower~~ Devonian
formation, with injection into the open-hole interval
from approximately 10,804 feet to 10,885 feet.

(4) That the injection should be accomplished through
2 1/8-inch plastic-lined tubing installed in a packer set at

approximately 10804 feet; 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, Roger C. Hanks, ~~Ind.~~,
is hereby authorized to utilize ^{his} ~~its~~ Monterey State Well No. 1
located in Unit A of Section 11, Township 10 South, Range
32 East, NMPM, Mescalero Field, Lea
County, New Mexico, to dispose of produced salt water into the
^{upper} ~~Lower~~ Devonian formation, injection to be accomplished through
2 7/8 -inch tubing ~~installed in a packer~~ set at approximately
10804 feet, with injection into the open-hole interval
from approximately 10,804 feet to 10,885 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined;
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 ^{his} ~~its~~
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.

Rager C. Hanks, Ltd.

dispose of produced salt water

Gulf State Well No. 1

Unit A Sec 11, Twp 10 S, Rge 32 E

lower Devonian _____ to 11,035'
Messacero Fld Lea Co.

Hinkle

San Oil Co C.O. Drew Well No. 1

Unit J Sec 18, Twp 8 S, Rge 34 E

Producers
Drew, C.O.

92-90

Hinkle

San Andres & Florietta Form. _____ to 6600.
Milnesand Fld, Roosevelt Co.

Macl Fld No. 1

Unit E Sec 28 Twp 8 S, Rge 36 E

Hinkle

San Andres Form _____ to 4000

S Prairie Field. Roosevelt County

DOCKET MARKED

Date

11-26-68