

CASE 4866: Application of ROGER
C. HANKS FOR SALT WATER DISPOSAL,
LEA COUNTY, NEW MEXICO.

- ase Number

4866

Application
Transcripts.

Small Exhibits

ETC.

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BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
OIL CONSERVATION COMMISSION CONFERENCE ROOM
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO
November 29, 1972

IN THE MATTER OF:

Roger C. Hanks for salt water
disposal, Lea County, New Mexico

Case No. 4866

BEFORE: Richard L. Stamets
Examiner

TRANSCRIPT OF HEARING

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1 MR. STAMETS: The hearing will come to order, please.
2 We will call first Case 4866 being the application of Roger C.
3 Hanks for salt water disposal, Lea County, New Mexico. Call
4 for appearances in this case.

5 MR. JENNINGS: Mr. James T. Jennings of Jennings,
6 Christy & Copple appearing on behalf of the applicant, Roger
7 Hanks; and I'll have one witness, Mr. Walter R. Baird.

8 MR. STAMETS: Mr. Baird, will you stand and be sworn,
9 please.

10 WALTER R. BAIRD

11 a Witness, having been first duly sworn according to law, upon
12 his oath, was examined and testified as follows:

13 DIRECT EXAMINATION

14 BY MR. JENNINGS:

15 Q Would you state your name and occupation, please, sir?

16 A Walter R. Baird, Petroleum Geologist.

17 Q By whom are you employed Mr. Baird?

18 A Roger C. Hanks.

19 Q In what capacity?

20 A As his Geologist and Exploration Manager.

21 Q Are you familiar with the application that has been filed
22 in this case?

23 A Yes, sir.

24 Q Generally, would you just tell the Examiner what the nature
25 of the application is?

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1 A The nature of our application, sir, is to apply for
2 permission to put salt water in a proposed salt water
3 disposal well on a lease we hold South of Lovington, New
4 Mexico, Lea County.

5 Q Referring to what has been marked as Exhibit 1 -

6 MR. STAMETS: Mr. Jennings, has your witness been
7 qualified?

8 MR. JENNINGS: Oh, I'm sorry, yes.

9 Q You have appeared before the Commission and testified in
10 many cases, Mr. Baird?

11 A Yes, sir.

12 MR. JENNINGS: Do you wish further qualifications?

13 MR. STAMETS: We will accept his qualifications.

14 Q Referring to what has been Marked as Exhibit 1, would you
15 identify the well and describe its location?

16 A Yes, sir. The well that is in question is located in
17 Section 29 of 16-36; and I have marked on the exhibit with
18 a blue symbol. It is indicated as Hanks #1 C. M. Graham.
19 It would be 1980 from the North, 1980 from the West,
20 Section 20.

21 Q I note some areas on that map colored in yellow. Is that
22 the Hanks acreage?

23 A Those are leases presently held by Roger C. Hanks..

24 Q Do you have any producing wells in the area?

25 A We do, sir. We have in our Roger C Hanks #2 C. M.

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- 1 Graham which is located just Southwest of #1.
- 2 Q Is it currently producing water?
- 3 A It is currently producing gas, oil, and water. Yes, sir.
- 4 Q From what formation?
- 5 A Devonian formation.
- 6 Q There are some other wells immediately Southwest of that.
- 7 Are those your wells?
- 8 A No, sir. Those are not our wells. They belong to other
- 9 operators.
- 10 Q Are those wells currently producing water or do you know?
- 11 A Yes, sir. They are, most every well in the field is
- 12 producing some water.
- 13 Q Are there any other salt water disposal wells in the area?
- 14 A Yes. The well in the North half of Section 31, which
- 15 appears to be 1980 from the West and 330 to the West. A
- 16 Getty well is presently being used as salt water disposal.
- 17 Q What amount of water did you contemplate producing, Mr.
- 18 Baird.
- 19 A At the present time we are producing between 129 barrels
- 20 of water a day. We would certainly not expect that to go
- 21 down in the future, so from that ceiling on up would be
- 22 what we would propose to dispose of at this time.
- 23 Q Do you have a business lease on the well location site?
- 24 A Yes, we do.
- 25 Q What formation do you propose to dispose of the water?

- 1 A We propose to dispose, well, down into the Devonian
2 formation from 300 feet below the surface of the Devonian.
3 Q How do you propose to dispose of the water?
4 A I provided a diagram here which might help in that
5 discussion.
6 Q Are you referring to the sketch of Exhibit 3?
7 A Yes, sir.
8 Q Would you describe your proposed operation?
9 A Yes.
10 Q And the casing program?
11 A Right. This diagram was made by me. It merely proposes to
12 show the mechanical method we will use to dispose of water
13 and Devonian. You can see we have a certain amount of
14 surface casings that, a certain amount of intermediate
15 casing, a certain amount of 4 1/2" deep casings set at a
16 total depth of 13,300 feet. We propose to dispose of water
17 through tubing, 2 7/8" tubing in the perforation from 13,230
18 to 13,270 in the Devonian formation.
19 Q How deep is your surface casing?
20 A Our surface casing is set to a depth of 442 feet.
21 Q You have your 8 5/8 -
22 A Set to a depth of 4,245 feet.
23 Q Are there any wells in the vicinity producing from the
24 formation in which you are going to perforate, dispose of
25 this water?

- 1 A That would sort of be a two answer question. Yes, sir,
2 from the Devonian period the production does come from the
3 Devonian but not from this portion.
4 Q It is much higher?
5 A Much higher.
6 Q What do you propose, to set a packer in the well or to fill
7 up the annulus?
8 A Our proposal would be to surround our tubing with an inert
9 fluid of such weight that it would cause the disposed water
10 to go into the Devonian perforations; and we would keep a
11 constant check on that, of course, by a pressure gauge as
12 I have shown here, showing that as long as there was no
13 rise in pressure on that gauge when the water is going
14 entirely into the perforations.
15 Q Referring to what has been marked as Exhibit 2, is this a
16 log of the well?
17 A That is a log of our original well.
18 Q Does it propose a well drilled by Roger C. Hanks?
19 A Yes, true.
20 Q Mr. Baird, do you feel that the disposal of this water will
21 impair the correlative rights of any of the parties?
22 A No, sir.
23 Q Do you think it will in any way interfere with any surface
24 water of any type?
25 A No, sir. We have taken repercussions to see that it won't.

1 Q It will be in the interest of conservation?

2 A It definitely will be.

3 Q Were the exhibits, other than Exhibit 2 prepared by you or
4 under your supervision?

5 A With the exception of the log, I prepared the exhibits
6 shown here.

7 Q And the log is a Schlumberger log?

8 A True.

9 MR. STAMETS: Without objection, Exhibits 1 and 2 will
10 be admitted as evidence. Is Exhibit 2 a two-part exhibit with
11 the log and -

12 MR. JENNINGS: That should be #3, I'm sorry.

13 MR. STAMETS: Which one?

14 MR. JENNINGS: The sketch.

15 MR. STAMETS: Is #3? The sketch may have been referred
16 to as Exhibit 2 previously, but we will take that into
17 consideration. So without objection, Exhibits 1, 2 and 3 will
18 be admitted into evidence. Does that conclude your direct
19 testimony?

20 MR. JENNINGS: Yes, sir.

21 CROSS EXAMINATION

22 BY MR. STAMETS:

23 Q Mr. Baird, you said that there was another salt water
24 disposal well in the area, and I didn't catch the location.

25 A Yes, and may I say I have not seen this disposal well. It

1 is through discussions with the owner. As I understand
2 that, they are disposing in the well located in Section 31
3 of 16-36, and that well is a plugged Pennsylvanian pro-
4 ducer and it is located 330 ft. from the North line and
5 1980 ft. from the West line of Section 31.

6 Q Is it your understanding this is disposed of into the
7 Devonian?

8 A Yes, sir.

9 Q And you said the volume currently is 120 or 125 barrels of
10 water per day?

11 A That's right.

12 Q Did you propose to dispose only of Roger C. Hanks' water
13 into this well?

14 A Yes, and let me go a little further. Certainly in this
15 case that is what we propose to do. If there are others
16 come to us and wish to dispose of water in our well, I feel
17 we would again increase the volumes, ask you to increase
18 the volumes we be allowed to dispose of in this well, but
19 at the present time, all we are proposing to do is dispose
20 of this water. We have made no agreements with anybody else
21 to dispose of their water, although we might possibly like
22 to in the future.

23 Q Looking at the log of the well in question, this would be
24 Exhibit 2, it looks as though the zone would be disposed
25

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1 below the bottom of the log.
2
3 A Yes, sir. This is the original log on the hole. We then
4 deepened the well from a total depth here of 13,140 to
5 13,300 ft.
6 Q Is the productive zone in the Devonian below about 13,040
7 feet?
8 A The production in the fields comes from within 10 feet of
9 the top of the Devonian to 40 feet below the top of the
10 Devonian. Our own well we have perforated 20 feet from the
11 top of Devonian so that we will then be perforated from
12 200 ft. below that.
13 Q Do you feel that this is connected physically with the
14 oil production zone or separated?
15 A It is my feeling it is separated because there are definitely
16 dense zones between the porosity. We see where the production
17 comes from and lower zones of porosity.
18 Q. Referring to Exhibit 3, the diagramatic sketch, do you know
19 where the cement tops are on these various string of casing?
20 A No, sir, I do not with the exception of the surface casing
21 which was circulated.
22 Q How about the 4 1/2" line area? Is that circulated back
23 into the 85?
24 A The 200 sacks there, I do not believe would bring it up this
25 far. It would be low up from the bottom of the hole, but
it would not bring it up to 4205 feet.

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1 Q Is this method of balancing your fluid in the well bore
2 been used in other disposal wells?
3 A Yes, sir. We are using it in Lea County in other disposal
4 wells.
5 Q North of here, south of here, how far?
6 A It would be North of here in the Bow Productive Area.
7 Q If a packer were required above perforations, would that
8 be a reasonable approach in this particular well?
9 A Absolutely.
10 Q So you would have no objections -
11 A No, sir.
12 Q If examiner felt that were needed?
13 A I would feel that that was at your discretion. We would
14 follow whatever suggestion was made.
15 MR. STAMETS: Any other questions of the witness? Any
16 statements in this case? The case will be taken under advisement.
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STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

I, JANET RUSSELL, a 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.

Janet Russell
COURT REPORTER

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7866, heard by me on Nov 24, 1972.
Richard J. Hammett, Examiner
New Mexico Oil Conservation Commission



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2063 - SANTA FE
87501

GOVERNOR
BRUCE KING
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

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

December 8, 1972

Mr. Jim Jennings
Jennings, Christy & Copple
Attorneys at Law
Post Office Box 1180
Roswell, New Mexico 88201

Re: Case No. 4866
Order No. R-4449
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.
Secretary-Director

ALP/ir

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. 4866
Order No. R-4449

APPLICATION OF ROGER C. HANKS
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 November 29, 1972, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 8th day of December, 1972, 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 C. M. Graham Well No. 1, located in Unit F of Section 29, Township 16 South, Range 36 East, NMPM, East Shoe Bar-Devonian Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the Devonian formation, with injection into the perforated interval from approximately 13,230 feet to 13,270 feet.

(4) That the injection should be accomplished through 2 7/8-inch plastic-lined tubing installed in a packer set within 100 feet of the uppermost perforation; 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.

-2-

Case No. 4866
Order No. R-4449

IT IS THEREFORE ORDERED:

(1) That the applicant, Roger C. Hanks, is hereby authorized to utilize his C. M. Graham Well No. 1, located in Unit F of Section 29, Township 16 South, Range 36 East, NMPM, East Shoe Bar-Devonian Pool, Lea County, New Mexico, to dispose of produced salt water into the Devonian formation, injection to be accomplished through 2 7/8-inch tubing installed in a packer set within 100 feet of the uppermost perforation, with injection into the perforated interval from approximately 13,230 feet to 13,270 feet;

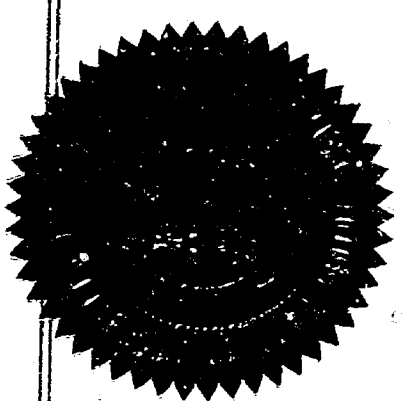
PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus left open at the surface in order to determine leakage in the casing, tubing, or packer.

(2) That the applicant shall submit monthly reports of 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.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



Bruce King
BRUCE KING, Chairman

Alex J. Armijs
ALEX J. ARMIJO, Member

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

S E A L

dr/

DOCKET: EXAMINER HEARING - WEDNESDAY - NOVEMBER 29, 1972

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

The following cases will be heard before Richard L. Stamets, Examiner, or Elvis A. Utz, Alternate Examiner:

CASE 4854: (Continued from the November 1, 1972 Examiner Hearing)

Application of Dugan Production Corporation to commingle gas production prior to metering, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle gas produced from wells located in Sections 25, 26, 35, and 36, Township 28 North, Range 15 West, undesignated Pictured Cliffs gas pool, San Juan County, New Mexico, prior to metering said gas, as an exception to Rule 403 of the Commission Rules and Regulations.

CASE 4860: (Continued from the November 14, 1972 Examiner Hearing)

Application of Craig Folsom for an unorthodox oil well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a well to test the Queen formation at an unorthodox oil well location 1340 feet from the South line and 1300 feet from the East line of Section 12, Township 13 South, Range 31 East, Caprock-Queen Pool, Chaves County, New Mexico.

CASE 4857: (Continued to November 29, 1972 Examiner Hearing)

Application of Perry R. Bass for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location for his Big Eddy Well No. 7 located 660 feet from the South line and 1980 feet from the East line of Section 19, Township 20 South, Range 31 East, Maroon Cliffs-Morrow Gas Pool, Eddy County, New Mexico, with the E/2 of said Section 19 to be dedicated to the well.

CASE 4866: Application of Roger C. Hanks for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water in the Devonian formation through perforations between 13,000 to 13,300 feet in his Graham Well No. 1 located in Unit F of Section 29, Township 16 South, Range 36 East, East Shoe Bar-Devonian Pool, Lea County, New Mexico.

CASE 4867: Application of Superior Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the S/2 of Section 7, Township 23 South, Range 27 East, South Carlsbad Field, Eddy County, New Mexico, to be dedicated to a

(Case 4867 continued from page 1)

well to be drilled 810 feet from the South line and 1980 feet from the West line of said Section 7. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4868: Application of The Wiser Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Drinkard formation through its Downes "D" Well No. 1 located in Unit K of Section 32, Township 21 South, Range 37 East, Drinkard Pool, Lea County, New Mexico.

CASE 4869: Application of Claude C. Kennedy for the amendment of Order No. R-4263 and for the revocation of Commission Order NSL-586, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-4263 to require that all wells drilled within the Lone Pine Dakota "D" Unit be drilled on locations no closer than 330 feet from the boundary of the quarter-quarter section in which any such well is located, and to prohibit the transfer of allowable to any well located closer than 1320 feet from the outer boundary of the unit area. Applicant further requests the revocation of Commission Order No. NSL-586 dated November 1, 1972, which order authorized Tenneco Oil Company to drill its proposed Lone Pine Dakota "D" Unit No. 29 well at a location 2300 feet from the South line and 1450 feet from the West line of Section 8, Township 17 North, Range 8 West, Lone Pine-Dakota "D" Oil Pool, McKinley County, New Mexico.

CASE 4835: (Continued and readvertised)

Application of Texas Oil & Gas Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface of the ground down to and including the Pennsylvanian formation underlying the S/2 of Section 13, Township 22 South, Range 26 East, South Carlsbad Field area, Eddy County, New Mexico, to be dedicated to a well to be drilled 660 feet from the South line and 1980 feet from the East line of said Section 13. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4870: Application of Sun Oil Company for an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill its proposed W. D. Sawyer Well No. 10 at an unorthodox location 986 feet from the South line and 1000.5 feet from the East line of Section 27, Township 9 South, Range 36 East, Crossroads-Devonian Pool, Lea County, New Mexico.

CASE 4871: Application of Samedan Oil Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Langlie-Mattix "B-4" Penrose (Queen) Unit Area, comprising 240 acres, more or less, of Federal lands in Sections 17 and 18, Township 23 South, Range 37 East, Lea County, New Mexico.

CASE 4872: Application of Samedan Oil Corporation for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Queen formation through two wells in its Langlie-Mattix "B-4" Unit Area, Langlie-Mattix Pool, Lea County, New Mexico.

CASE 4862: (Continued and readvertised)

Application of Adobe Oil Company for a non-standard gas proration unit and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 520-acre non-standard gas proration unit comprising the NE/4, SE/4, E/2 SW/4, N/2 NW/4, and SE/4 NW/4 of Section 11, Township 23 South, Range 24 East, Rock Tank-Upper Morrow and Rock Tank-Lower Morrow Gas Pools, Eddy County, New Mexico, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South line and 330 feet from the East line of said Section 11.

CASE 4863: (Continued and readvertised)

Application of C & K Petroleum Inc. for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be located 660 feet from the South and West lines, or in the alternative, 990 feet from the South line and 660 feet from the West line of Section 18, Township 18 South, Range 26 East, West Atoka-Morrow Gas Pool, Eddy County, New Mexico, to be dedicated to a standard proration unit comprising the S/2 of said Section 18.

CASE 4873: Application of Mountain States Petroleum Corporation for gas prorationing, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the institution of gas prorationing in the West Atoka-Morrow Gas Pool, Eddy County, New Mexico.

HALLIBURTON DIVISION LABORATORY
HALLIBURTON COMPANY
LOUGHTON, NEW MEXICO

RECEIVED

Case 4866
12-4449

LABORATORY WATER ANALYSIS No. W72-492

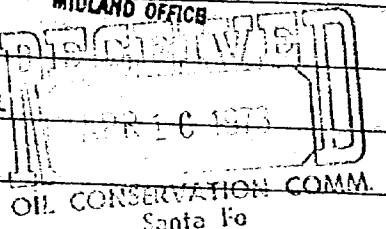
To: Roger S. Hanks

Date: 8-10-72

2100 Wilco Building

Midland, Texas 79701

MIDLAND OFFICE



This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by

Date Rec. 8-10-72

Well No. Graham #2

Depth 13,010'

Formation Devonian

County Lea

Field Shoe Bar

Source DST #2

	Sampler	Tool Top	Top of Water Cushion
Resistivity	100% Distillate & Gas Cut Mud	1.07 @ 70° F.	10.1 @ 70° F.
Specific Gravity			
pH			
Calcium (Ca)			
Magnesium (Mg)			*MPL
Chlorides (Cl)		2,000	200
Sulfates (SO ₄)			
Bicarbonates (HCO ₃)			
Soluble Iron (Fe)			
API Gr.	55.2 @ 60° F.		

Remarks: Top of Recovery - 100% Distillate - API Gr. @ 60° F. - 57.5 *Milligrams per liter
Pit Sample - Res. @ 70° F. - 1.37 Chlorides, mpl - 1,000

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

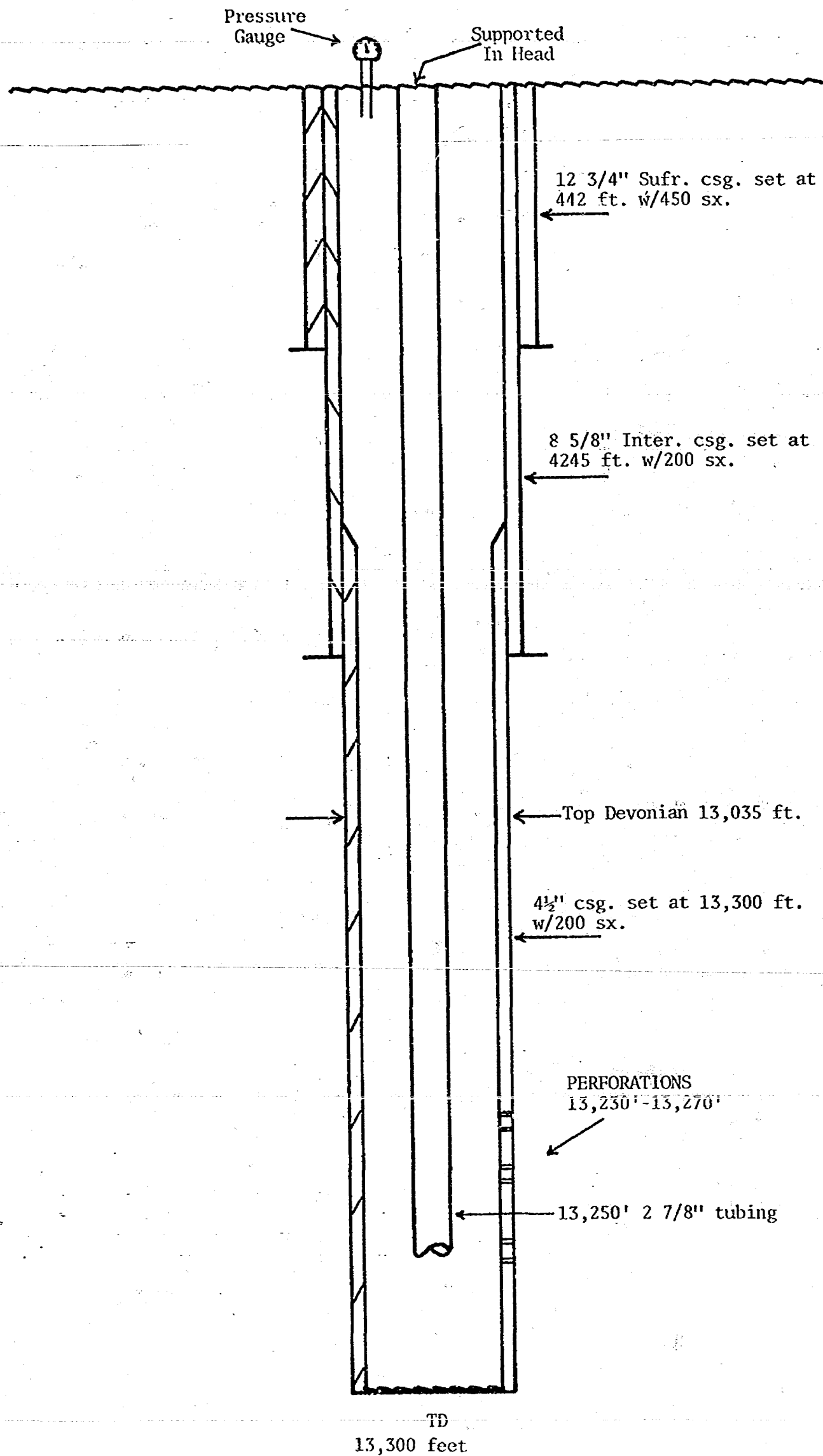
By

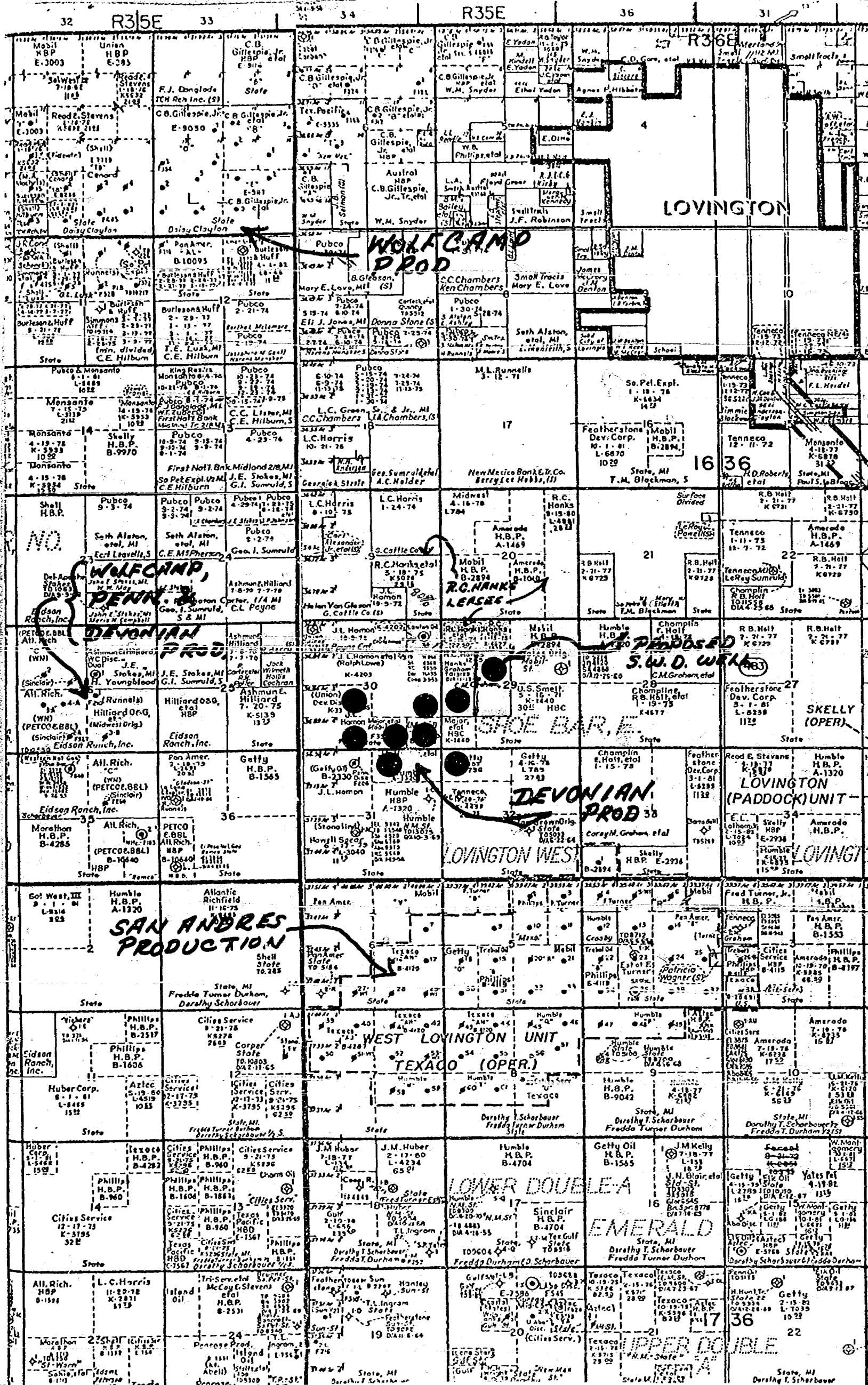
W. L. Brewer
CHEMIST

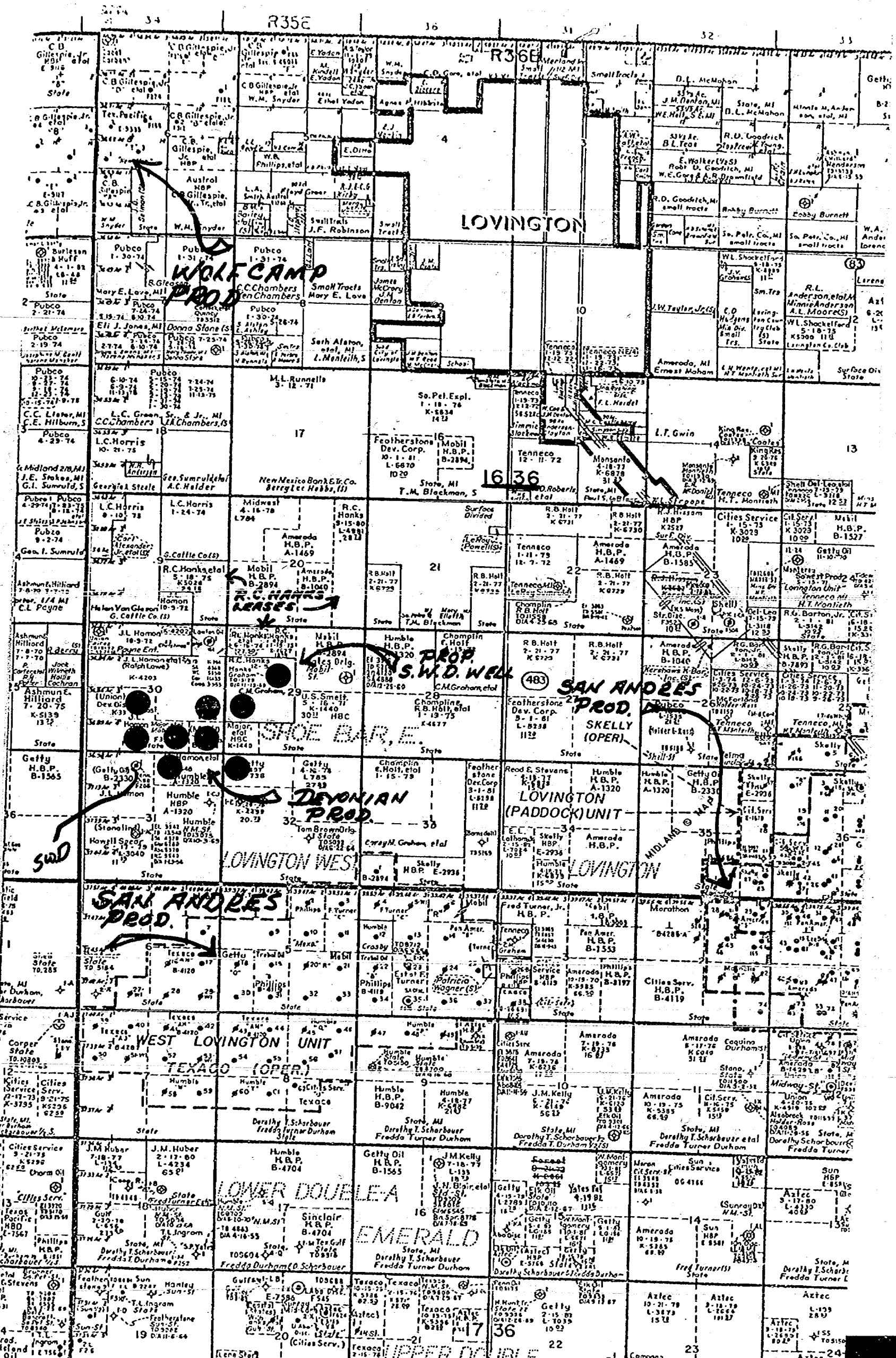
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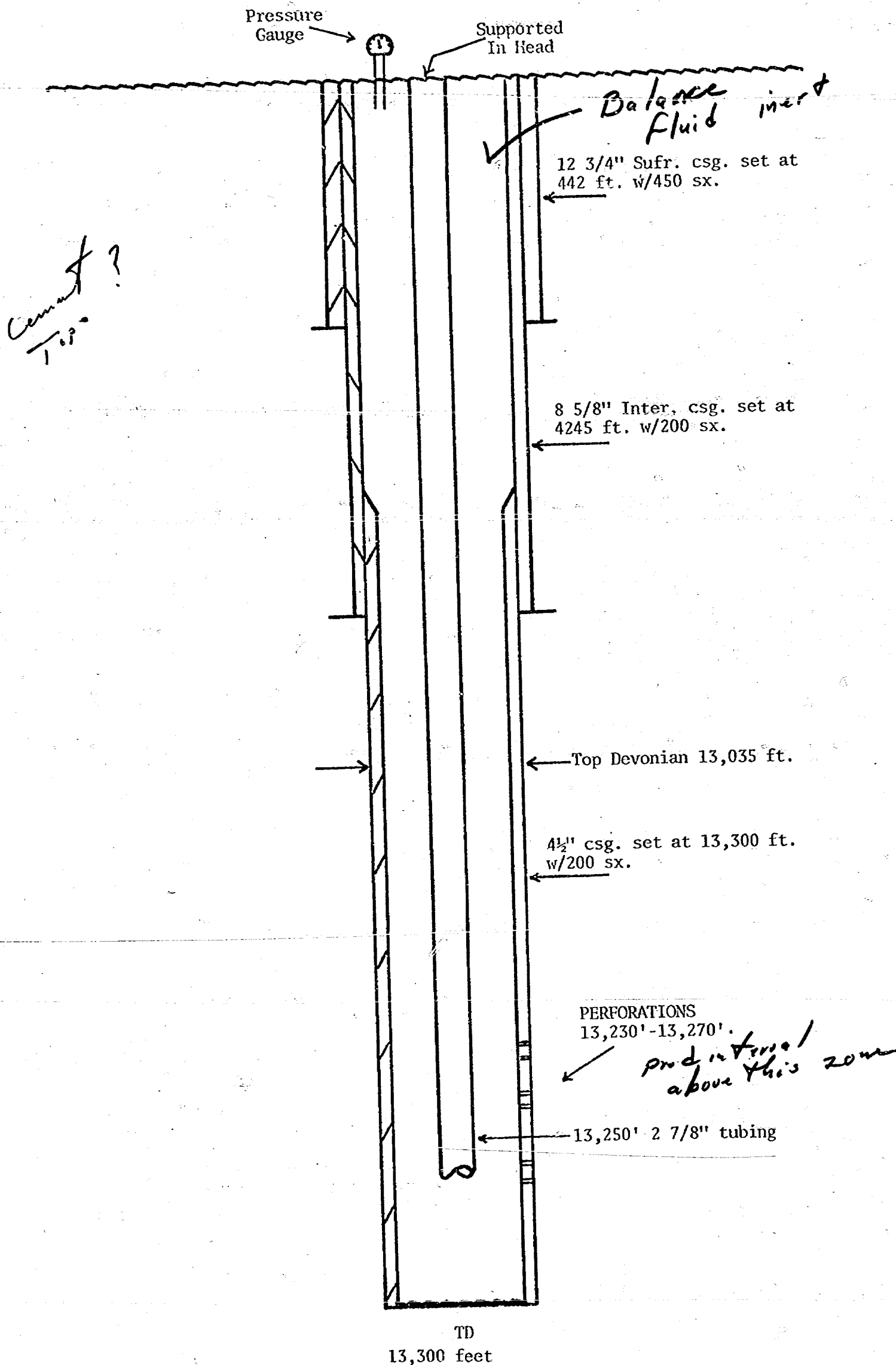
DIAGRAMMATIC SKETCH
ROGER C. HANKS #1 C. M. GRAHAM
S.W.D.W.
SEC. 29 16S-36E
Lea County, New Mexico







DIAGRAMMATIC SKETCH
ROGER C. HANKS #1 C. M. GRAHAM
S.W.D.W.
SEC. 29 16S-36E
Lea County, New Mexico

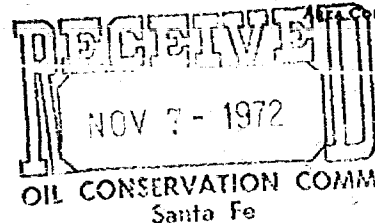


JAMES T. JENNINGS
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ROGER L. COPPLE
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JENNINGS, CHRISTY & COPPLE
1012 SECURITY NATIONAL BANK BUILDING
P. O. BOX 1180
ROSWELL, NEW MEXICO 88201

TELEPHONE 822-8432
AREA CODE 505

November 6, 1972



New Mexico Oil Conservation Commission
P. O. Box 2098
Santa Fe, New Mexico 87501

Case 4866

Re: Application for Salt Water Disposal

Gentlemen:

In behalf of our client, Roger C. Hanks, we enclose herewith Application for Salt Water Disposal under Rule 701, together with the required exhibits.

We would appreciate it if the matter would be set for Examiner Hearing at the earliest date.

Respectfully,

JENNINGS, CHRISTY & COPPLE

By

[Signature]
S. B. Christy IV

SBC:pv

Encl.

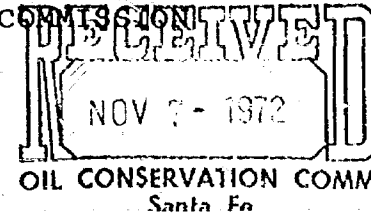
cc: Roger C. Hanks
Attn: Mr. Walter Baird

DOCKET MAILED

Date *11-17-72*

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO



IN THE MATTER OF THE APPLICATION
OF ROGER C. HANKS FOR SALT WATER
DISPOSAL IN SECTION 29, TOWNSHIP
16 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Case No. 4866

APPLICATION

COMES NOW Roger C. Hanks, lease owner and operator of a well and an oil and gas lease covering the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 29, Township 16 South, Range 36 East, N.M.P.M., Lea County, New Mexico, and pursuant to Rule 701 of the New Mexico Oil Conservation Commission Rules and Regulations, hereby makes application to inject water for the purpose of water disposal, and states:

1. A plat showing the location of the proposed injection well and the location of all other wells within a radius of two miles from said proposed injection well and the formation from which said wells are producing or have produced, and indicating the leases within said two mile radius, is attached hereto as Exhibit 1.

2. The log of the proposed injection well is attached hereto as Exhibit 2.

3. A diagrammatic sketch of the proposed injection well showing all casing strings, including diameters and setting depths, quantities used and tops of cement perforated or open hole intervals, tubing strings, including diameters and setting depths, and type and location of packers if any, is attached hereto as Exhibit 3.

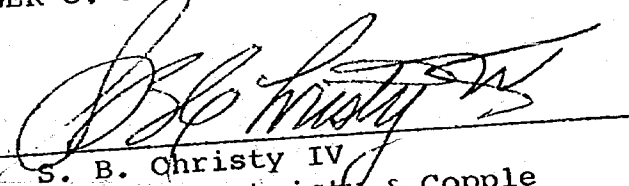
4. Other pertinent information, including the name and depth of the zone or formation into which the injection will be made,

the kind of fluid to be injected, the anticipated volumes to be injected, and the source of said injection fluid, is attached hereto as Exhibit 4.

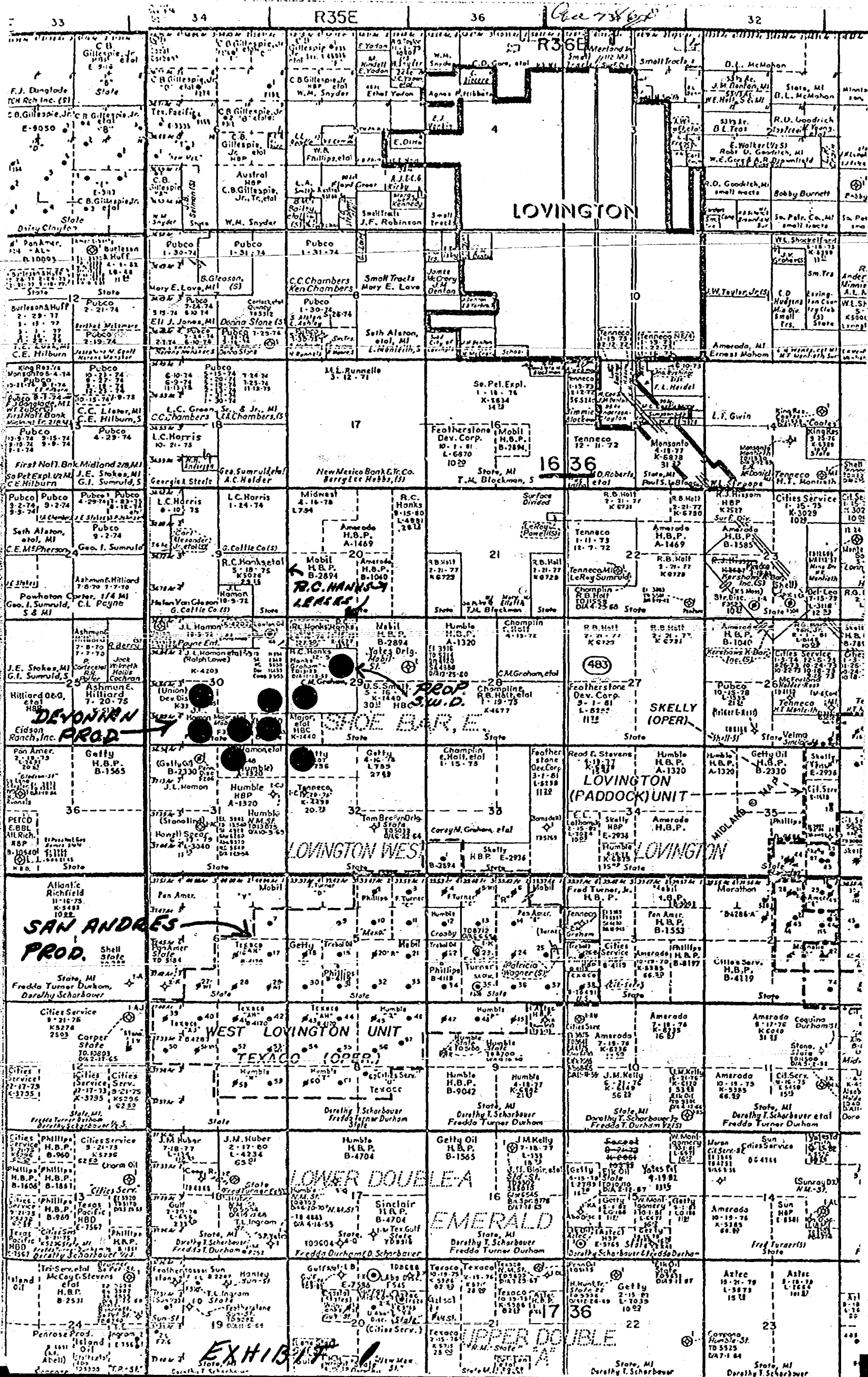
5. Applicant is the owner of the Graham No. 1 Well located 1980 feet from the North line and 1980 feet from the West line in Section 29, Township 16 South, Range 36 East, N.M.P.M.

WHEREFORE, after notice and hearing, Applicant prays that the Commission grant this Application for water disposal.

ROGER C. HANKS

By 

S. B. Christy IV
Jennings, Christy & Copple
P. O. Box 1180
Roswell, New Mexico 88201
(505) 622-8432



13

18

SHOE BAR EAST

TOP DEVONIAN

C.I. = 50 ft.

SCALE 1 in. = 2000 ft.

LEA CO., NEW MEXICO

● DEVONIAN PRODUCTION

● S. W. D. WELL

24

19

20

21

T-16-S

25

30

29

28

Union
Spires
TD. 13172Lawton
State
TD. 11984Yates
Mobil-St.
TD. 5214Hanks
St.
TD. 13129Hamon
State
TD. 11984Hamon
St.
TD. 2330State
TD. 13540GETTY
TD. 8994TENNECO
TD. 9085Barnsdall
Humble-St.
TD. 5269U.
D.
Western Nat
Millard-E.
TD. 12855El Paso
(La Land)
State
TD. 12615El Paso
Ramco-St.
TD. 6303Shell
State "A"
TD. 285

TD. 5184

EXHIBIT 1-A

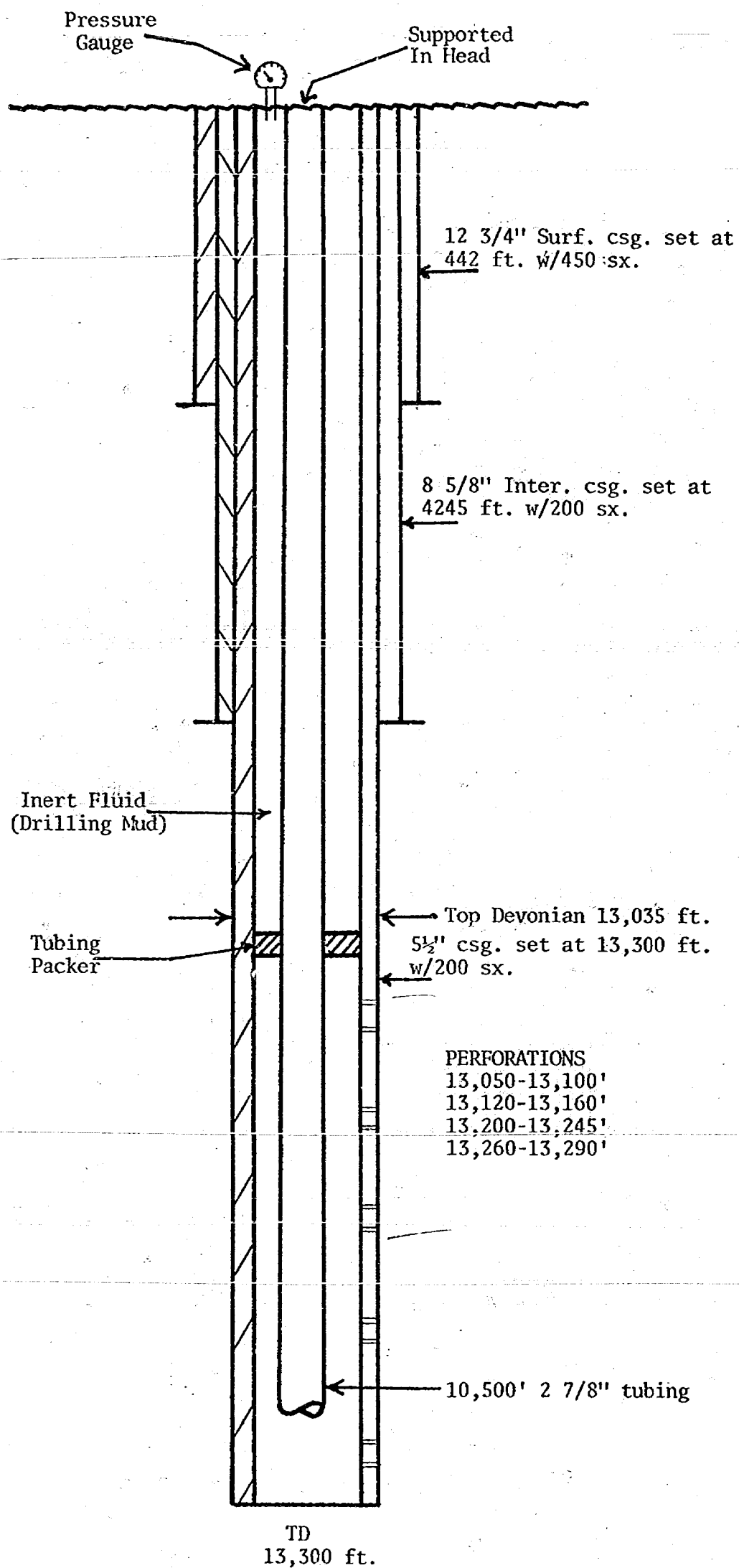
TD. 8712

Est of F. Turner
State

Applicant will dispose of salter water produced in the Shoe Bar E Devonian Field into the Devonian Formation between 13,000 feet and 13,300 feet.

It is estimated that Applicant will inject approximately 25,000 barrels of salt water per month.

DIAGRAMMATIC SKETCH
ROGER C. HANKS #1 C. M. GRAHAM



DRAFT

dr/

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. 4866

Order No. R- 4449

APPLICATION OF ROGER C. HANKS
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 November 29, 1972,
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this day of December, 1972, 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 C.M. Graham Well No. 1,
located in Unit F of Section 29, Township 16 South, Range
36 East, NMPM, East Shoe Bar-Devonian Pool, Lea
County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the Devonian
formation, with injection into the perforated interval
from approximately 13,230 feet to 13,270 feet.

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

CASE No. _____

uppermost
100 feet of the ~~top~~ perforations;
approximately _____ 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,
is hereby authorized to utilize ~~xxx~~ ^{C.M.} his Graham Well No. 1,
located in Unit F of Section 29, Township 16 South, Range
36 East, NMPM, East Shoe Bar-Devonian Pool, Lea
County, New Mexico, to dispose of produced salt water into the
Devonian formation, injection to be accomplished through
2 7/8 -inch tubing installed in a packer set ~~at approximately~~ ^{within 100 feet of the *uppermost* perforations}
_____ feet, with injection into the perforated interval
from approximately 13,230 ^{13,000} feet to 13,270 ^{13,300} 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 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.

CASE 4867: Appli. of SUPERIOR OIL
CO. FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.