

2. Amerside Pkty. Corp. application
for permission to convert State 5 MCW #5
well into salt water disposal well.
Exempted in writing

Casa No.

1193

Application, Transcript,
Small Exhibits, Etc.

Casa No.

1193

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

IN THE MATTER OF CASES NOS. 1192 and 1193

TRANSCRIPT OF PROCEEDINGS

DEARNLEY . MEIER & ASSOCIATES
INCORPORATED
GENERAL LAW REPORTERS
ALBUQUERQUE - SANTA FE
3-6691 2-2211

January 9, 1957.

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
January 9, 1957

IN THE MATTER OF:

Application of Amerada Petroleum Corporation
for permission to convert its State S "G" No.
1 Well into a salt water disposal well in the
San Andres, Paddock, Clearfork, and Abo for-
mations of the Saunders Pool in accordance with
New Mexico Oil Conservation Commission State-
wide Rule 701. Applicant, in the above-styled
cause seeks an order granting permission to
convert its State S "G" No. 1 Well into a salt
water disposal well; said well is located in
the NE/4 SW/4 of Section 10, Township 15 South,
Range 33 East, Lea County, New Mexico. Ap-
plicant proposes to inject said salt water into
the aforesaid four non-productive zones in the
Saunders Pool through the annulus space between
the intermediate and production casing.

Case No.
1192

IN THE MATTER OF:

Application of Amerada Petroleum Corporation
for permission to convert its Amerada State
S "C" No. 5 Well into a salt water disposal
well in the Pennsylvanian formation in the
Saunders Pool, Lea County, New Mexico, in ac-
cordance with New Mexico Oil Conservation
Commission Statewide Rule 701. Applicant,
in the above-styled cause, seeks an order grant-
ing permission to convert its previously abandon-
ed State S "C" No. 5 Well into a salt water dis-
posal well by injecting water into the Pennsyl-
vanian formation, producing horizon in the
Saunders Pool; said well is located in the SW/4
SW/4 of Section 4, Township 15 South, Range 33
East, Lea County, New Mexico.

Case No.
1193

BEFORE:

Mr. Warren W. Mankin, Examiner

TRANSCRIPT OF PROCEEDINGS

MR. MANKIN: The next case on the docket is Case 1192.

MR. GURLEY: Case 1192. Application of Amerada Petroleum Corporation for permission to convert its State S "G" No. 1 Well into a salt water disposal well in the San Andres, Paddock, Clearfork, and Abo formations of the Saunders Pool in accordance with New Mexico Oil Conservation Commission Statewide Rule 701.

MR. ABBOTT: I would like to combine this with Case No. 1193.

MR. GURLEY: Case No. 1193. Application of Amerada Petroleum Corporation for permission to convert its Amerada State S "G" No. 5 Well into a salt water disposal well in the Pennsylvanian formation in the Saunders Pool, Lea County, New Mexico, in accordance with New Mexico Oil Conservation Commission Statewide Rule 701.

You are counsel and witness?

A Yes, sir.

(Witness sworn.)

MR. ABBOTT: My name is W. G. Abbott, and I am a district engineer for Amerada Petroleum Corporation in Monument, New Mexico.

MR. MANKIN: You have previously testified as an expert

witness, have you not, Mr. Abbott?

MR. ABBOTT: Yes, sir.

MR. MANKIN: Your qualifications are acceptable.

MR. ABBOTT: The general disposal plan for this Saunders Pool will be a gravity gathering system which will cost the operators around one hundred sixty-eight thousand dollars. I have a diagram, map, of that gathering system. I would like you to mark that Exhibit 1, please.

MR. MANKIN: Will this be for both Cases, 1192 and 1193, Exhibit 1?

MR. ABBOTT: Yes, that's right.

(Amerada's Exhibit No. 1 marked for identification in cases Nos. 1192 and 1193.)

MR. ABBOTT: We have to dispose of about three thousand barrels of salt water a day, and we designed this system for, to take care of two hundred and fifty barrels per day per well. That is tied into the system.

Under Case 1192, we plan to use this, the Amerada State S "G" No. 1 for a disposal well, and we'll do that by disposing of the well water between the five and a half inch casing and the eight and five-eighths inch casing. I have a diagram of that. This will be Exhibit No. 2.

(Amerada's Exhibit No. 2 marked for identification.)

MR. MANKIN: Will this just concern itself with Case 1192?

MR. ABBOTT: Yes, sir, this particular disposal well. We tested this injection rate on this annular space at six hundred and forty-eight barrels per day at three hundred pounds per square inch gauge. We raised the pressure to three hundred and fifty pounds per square inch gauge, and we could put away twelve hundred and twenty-four barrels per day. We extrapolated this to around three thousand barrels per day, and we have to pump the salt water at five hundred and fifty pounds per square inch gauge.

This San Andres Zone, we feel, will take the water for some time. When we were drilling the Saunders Pool, we had lost circulation through this zone in seventeen of our drill wells, generally in the south part of the pool.

I've got a map showing the wells that we lost circulation in, and I would like to have you mark this as Exhibit No. 3. The wells where we had the lost circulation trouble are circled in red on that map.

MR. MANKIN: Then, this would pertain to both 1192 and 1193?

MR. ABBOTT: No, just 1192.

MR. MANKIN: 1192?

MR. ABBOTT: Yes.

(Amerada's Exhibit No. 3 marked for identification in Case No. 1192)

MR. ABBOTT: You can see on Exhibit No. 2 that we have the Saunders Zone, the Paddock, Clearfork, and Abo open in this annular space, but we feel since we had this lost circulation trouble in the Saunders, that any disposal water will go in that zone. It's very permeable. Of course, if any of the salt water did go into the Paddock, Clearfork, or Abo, it wouldn't matter because of these formations that are productive in this area.

Under Case 1193, we are asking for permission to dispose of our salt water and our State S "C" No. 5. Now, this well is temporarily abandoned in the Saunders Pool. This disposal will be in the Pennsylvanian, or the zone we are producing in the Saunders Pool.

For Exhibit No. 4 I would like to turn in a well diagram of this, Amerada's State S "C" No. 5.

MR. MANKIN: This Exhibit No. 4 is to apply to Case 1193?

MR. ABBOTT: Yes.

MR. GURLEY: Only?

MR. ABBOTT: Yes, sir.

(Amerada's Exhibit No. 4 marked for identification in Case No. 1193.)

MR. ABBOTT: We plan to perforate additionally in this

well, an additional perforation to our producing well. Original producing perforations will be 9,820 to 9,885; 9,900 to 9,955; 9,978 to 10,016; and 10,030 to 10,065. I would like to turn in Exhibit No. 5 which is a cross section to show this. It is an east-west cross section to show this State S "C" No. 5. The proposed perforations are marked on this exhibit.

(Amerada's Exhibit No. 5 marked for identification in Cases Nos. 1192 and 1193.)

MR. WANKIN: Mr. Abbott, is this cross section which you have designated as "AA" Prime, the one that is shown on Exhibit No. 3 as the wells outlined?

MR. ABBOTT: Yes, that's right. And I would also like to turn in Exhibit No. 6, which is an electric log of this S "C" No. 5 and perforations are marked on that, and also the formations tops are marked on that log.

(Amerada's Exhibit No. 6 marked for identification in Cases Nos. 1192 and 1193.)

MR. ABBOTT: Now, do you have any need for, just one, or do you need this? I have three.

MR. WANKIN: We'll just borrow those.

MR. ABBOTT: The reason for using this well as a disposal well is because we want to determine the injection data so that in the future we may be able to put in a full scale water flood in this Pennsylvanian Zone. Since the pool was discovered at bottom hole, pressure has dropped an average of twenty-three hundred and ninety-two per square inch, so any injection of water should increase that pressure, if we can get enough water in this producing zone, and that's one reason why we are applying for this hearing, to see if

if we can inject enough water in there so that we will get an increase in pressure in that Pennsylvanian Zone. Of course, any full scale water flood would entail more than one injection well, but we hope to secure some injection data from using this one well. I believe that's all I have on it.

MR. MANKIN: Mr. Abbott, these two wells which you have proposed under Cases 1192 and 1193, is one to be the alternate of the other, or are they supposed to be both in operation at the same time?

MR. ABBOTT: Well, I imagine we'll try this State S "C", No. 5 to put--

MR. MANKIN: Which is into the Pennsylvanian?

MR. ABBOTT: Yes, and if we find out that it takes too much pressure or we can't put in the three thousand barrels a day, we'll switch over to the State S "G", No. 1.

MR. MANKIN: Which is the Bradenhead disposal well?

MR. ABBOTT: Yes.

MR. MANKIN: Have you determined from this State S "C", No. 5 where the oil-water contact is?

MR. ABBOTT: No, we produced the well originally and it went to just about a hundred per water so we assumed that most of the producing zone is below the water-oil contact.

MR. MANKIN: This prior production from the Pennsylvanian and the State S "C", No. 5, was it from an open hole at the time, below the five-eighths casing or was it from a perforation?

MR. ABBOTT: Perforations.

MR. MANKIN: The same perforations which you proposed to be made for disposal purposes?

MR. ABBOTT: The same perforations, but we have included some more zones in each perforation.

MR. MANKIN: Higher or lower?

MR. ABBOTT: Well, some of them are higher and some of them are lower. I have a test on this well. The commission on this State S "C", No. 5, was, it included fourteen barrels of oil and eighty-three barrels of water in twenty-one hours by gas lift. I don't know if I have the completion date on this, when we completed this well, but shortly thereafter the production had decreased to one hundred and forty barrels of water and no oil in twenty-four hours. It is a very poor well.

MR. MANKIN: Do you have any water production on the offset wells, which is the Amerada's Exhibit No. 1?

MR. ABBOTT: I imagine that is producing water but I don't have any late information on it. We feel that the Saunders Pool has a water drive, but it isn't effective and that by injecting water in the producing zone, we may increase the pressure on the whole reservoir.

MR. MANKIN: Is it bottom water, or from some particular water?

MR. ABBOTT: No, seems to be just bottom water. We can't find a direction on it.

MR. MANKIN: Any further questions of the witness?

MR. GURLEY: This Exhibit was prepared by you or under your instructions?

MR. ABBOTT: Yes, sir.

MR. UTZ: Mr. Abbott, referring to Amerada's State S "C", No. 5, do you know of any other wells in the Saunders Pools producing

structurally lower than this well?

MR. ABBOTT: No, I believe this is the low well. I might mention at this time that when we were discussing salt water disposal, we asked the offset operators, I believe there are City Service and Magnolia, if they had any objection to putting this water in the Pennsylvanian Zone and they didn't have an objection.

MR. UTZ: And referring to your Amerada State S "G", No. 2--

MR. ABBOTT: S "G" No. 1?

MR. UTZ: No, I am referring to your S "G", No. 2, the one on the Prime cross section.

MR. ABBOTT: S "D", No. 2?

MR. UTZ: Well, I'll change that to the S "G", No. 3. What I am trying to determine is whether or not you feel that Amerada is structurally high in the pool? Are there any other wells higher than that one?

MR. ABBOTT: That is a high well. I believe we have a higher well than the S "G", No. 3.

MR. UTZ: Do you have any idea how much higher structurally the higher well in the pool is?

MR. ABBOTT: No, there is, throughout the whole pool, there is very little relief, but I don't remember which well it is. I think the high on the Saunders Pool is on our S "B" lease, State S "B" lease, those are the highest wells in the pool.

MR. HANKIN: Which is in section three?

MR. ABBOTT: Yes, sir,

MR. UTZ: That is all I have.

MR. HANKIN: Mr. Abbott, is this request for salt water disposal in the Saunders Pool to be a joint venture by all operators

within the pool?

MR. ABBOTT: Yes, sir.

MR. MANKIN: Amerada will dispose the water for the other operators in the pool?

MR. ABBOTT: Yes, sir.

MR. MANKIN: Including Texaco and Magnolia?

MR. ABBOTT: Shell.

MR. MANKIN: And Shell?

MR. ABBOTT: Yes.

MR. MANKIN: And Gulf?

MR. ABBOTT: Yes.

MR. GURLEY: Have you notified these other companies of your intentions other than through the application and notice of the hearing?

MR. ABBOTT: Yes.

MR. GURLEY: Have you had any response from the companies?

MR. ABBOTT: No, I have had no response. They are all in agreement on it.

MR. GURLEY: Well, now, if there was no response, how do you know they were in agreement?

MR. ABBOTT: I feel they would have responded if they weren't in agreement.

MR. GURLEY: In other words, they had no comment either way.

MR. ABBOTT: No.

MR. MANKIN: Mr. Abbott, is it not true that you have had pool meetings with the other operators where you were essentially in agreement with this project?

MR. ABBOTT: Yes, we have had two or three meetings on the

Saunders Pool disposal.

MR. MANKIN: Relating again to Case No. 1192, Mr. Abbott, S "Q", No. 1, you intend to produce this well from the Pennsylvanian in addition to disposing of the water?

MR. ABBOTT: Yes, that's right. This is a very poor well, I imagine it has around a five barrel allowable, but we need this well for a disposal well and if we, if we abandon the oil zone, we'd lose the lease.

MR. MANKIN: It is the only well on the lease?

MR. ABBOTT: That's right, so we'll continue to produce the well by gas lift and dispose of the water in the Bradenhead.

MR. MANKIN: In your application for Case No. 1192, and here today, you are seeking disposal in the San Andres, Paddock, Clearfork and Abo if necessary.

MR. ABBOTT: Yes, that's right. We feel most of the water will be into the San Andres.

MR. MANKIN: And in Case No. 1193, you will be injecting water into the, into the edge of the Saunders Pool in the Pennsylvanian Formation?

MR. ABBOTT: Yes, that's right.

MR. MANKIN: Are there any other questions of the witness? Do you wish to enter Exhibits 1 through 6 in this case, in these cases, Cases No. 1192 and 1193?

MR. ABBOTT: Yes, sir.

MR. MANKIN: Is there any objection to entering Exhibits Nos. 1 through 6 in Cases No. 1192, and 1193? If not, it will be so entered. Do you have anything further?

MR. ABBOTT: No, sir, that's all.

MR. CURLEY: Just a moment, I have a letter from the Texaco Company. It should be read into the record, signed by Mr. V. T. Osmae to the attention of Mr. W. W. Mankin, Examiner.

Gentlemen:

The Texaco Company is an operator in the Saunders Pool, and has participated in efforts to form a co-operative salt water disposal system for this field. The Texaco Company urges the Commission to give its approval to the salt water disposal wells covered in Amerada's applications in Cases Nos. 1192 and 1193.

MR. MANKIN: Nothing further, the witness may be excused. Are there any statements to be made in this case? If there is nothing further, we'll take these cases under advisement, Cases Nos. 1192 and 1193.

(Witness excused.)

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

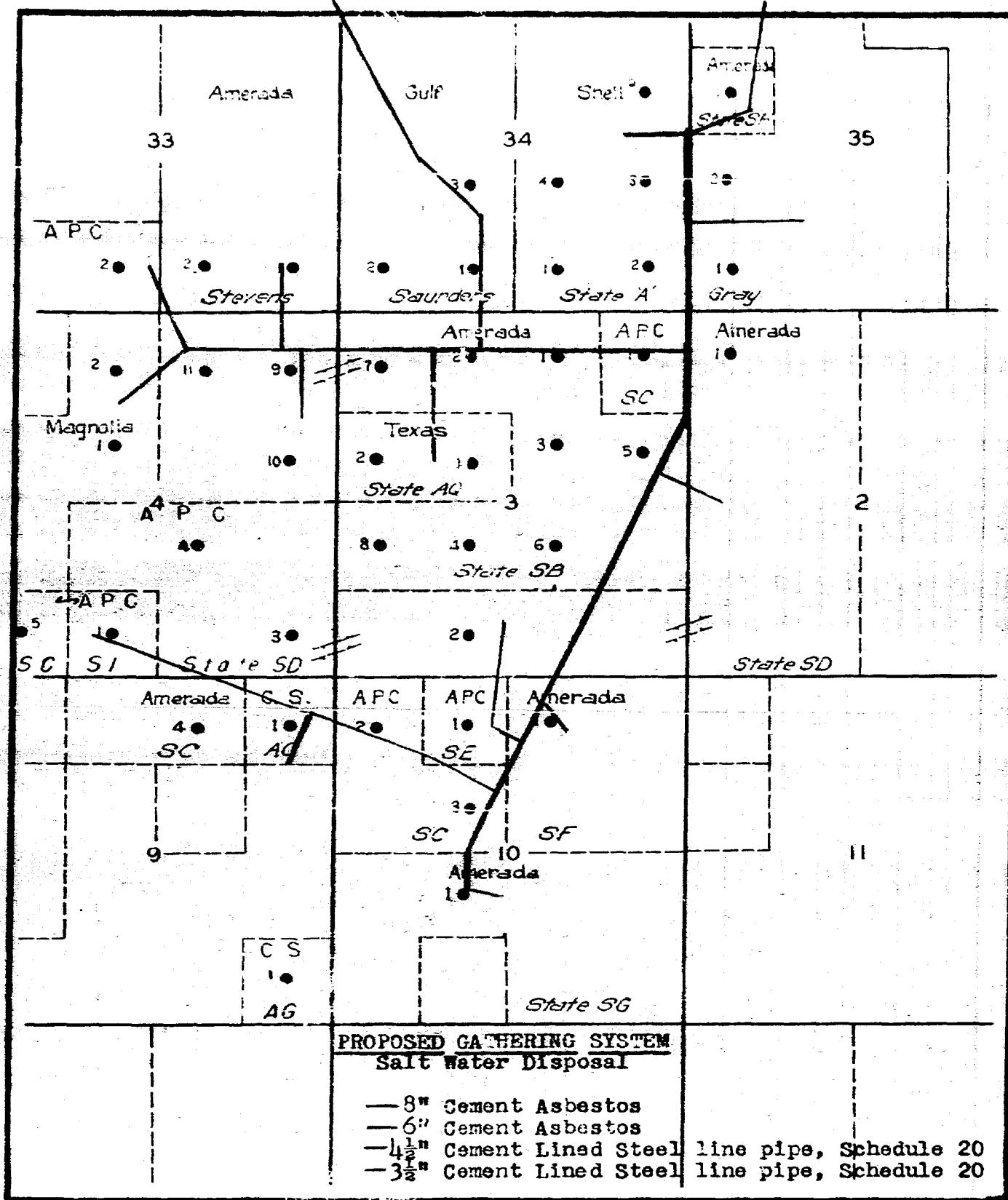
I, J. A. Trujillo, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill, and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this, the 23rd day of January, 1957.

J. A. Trujillo
NOTARY PUBLIC COURT REPORTER

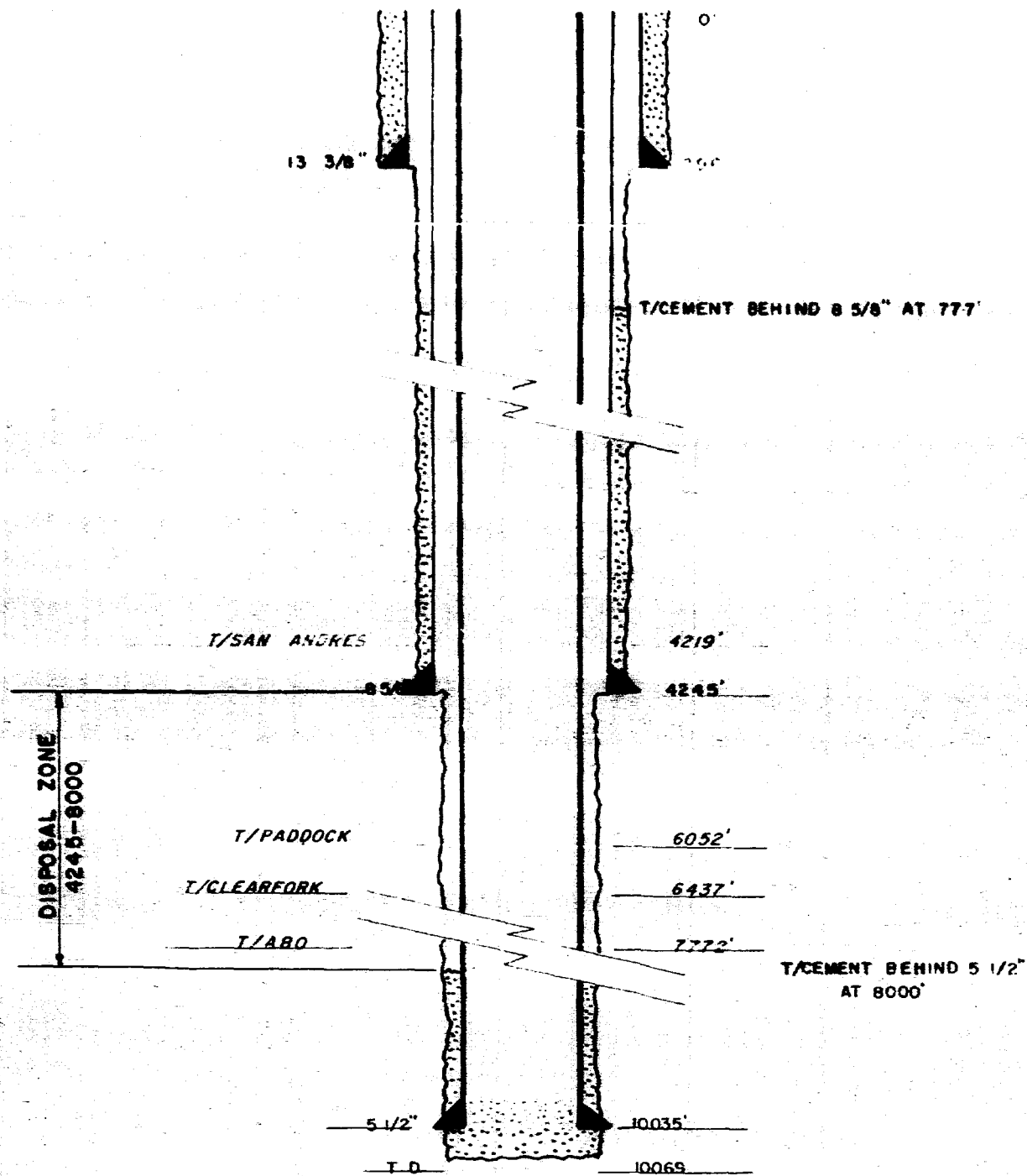
My Commission Expires:

October 5, 1960



SAUNDERS POOL
LEA COUNTY, NEW MEXICO

EX # 1
1192 & 1193

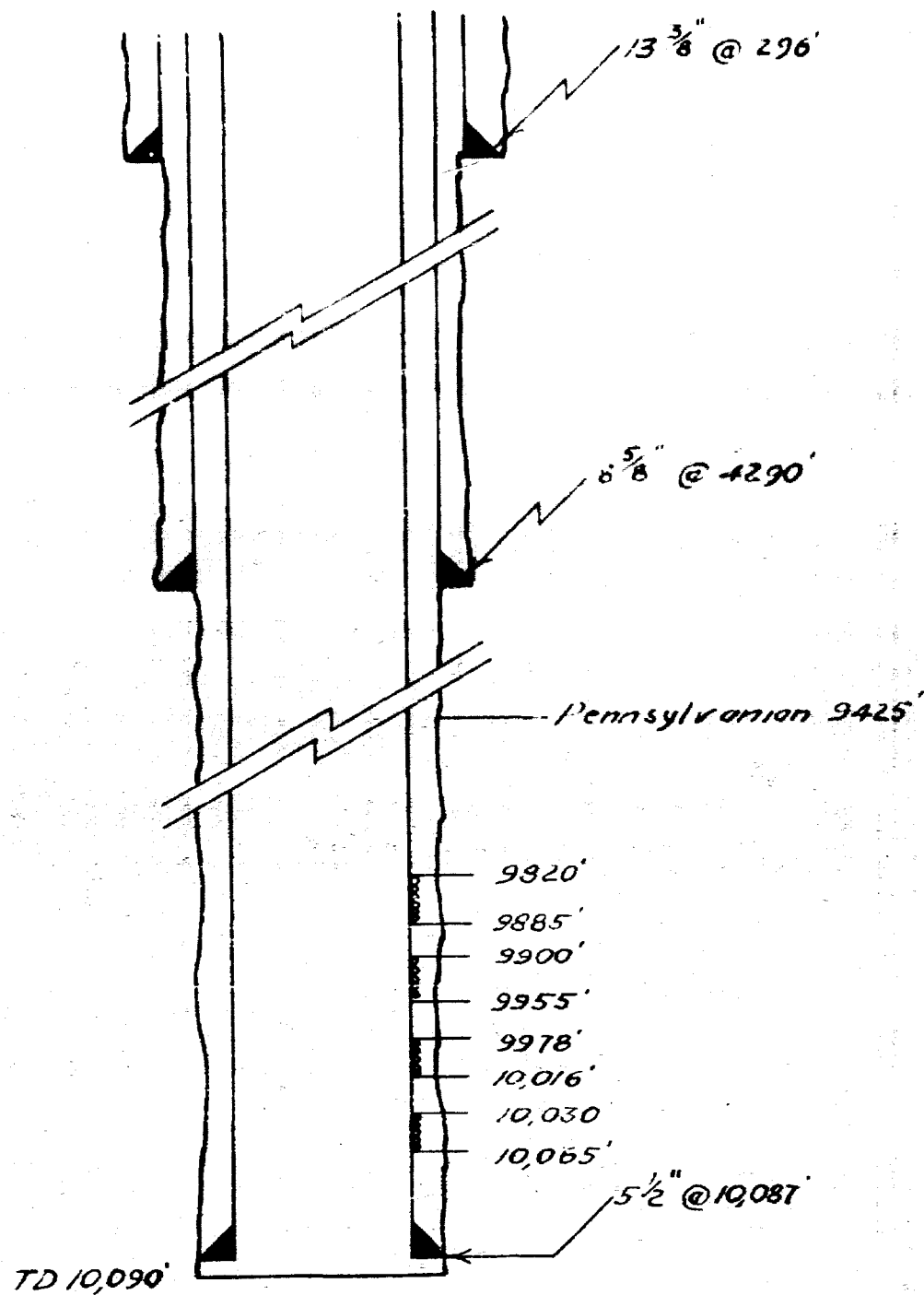


AMERADA PETROLEUM CORPORATION
 Proposed Bradenhead Salt Water Disposal Well Completion
 Saunders Pool, Lea County, New Mexico
 Amerada State S"G" No. 1, NE/4 SW/4 10-15S-33E

EX # 2

#1192

Exhibit "B"



AMERADA PETROLEUM CORPORATION

Proposed Recompletion to a Salt Water Disposal Well

Saunders Pool, Lea County, New Mexico

Amerada State S"C" No. 5

SW/4 SW/4 4-15S-33E

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CASE 1193
EXHIBIT No. 4

Exhibit "1"

THE TEXAS COMPANY

TRADE PETROLEUM PRODUCTS



P.O. BOX 1700
FORT WORTH, TEXAS

August 27, 1956

August 2, 1957
1193

Mr. J. M. [unclear]

Mr. J. M. [unclear]

Mr. J. M. [unclear]

[unclear]

The Texas Company is in receipt of the [unclear]
and has been advised by [unclear] that a [unclear]
will be [unclear] for [unclear]. The Texas Company
has been advised to give its approval to the [unclear]
which will be [unclear] in [unclear]'s application in Cases
[unclear] and 1193.

Very truly yours,

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 1183
Order No. E-881

APPLICATION OF AMERADA PETROLEUM
CORPORATION FOR AN ORDER GRANTING
PERMISSION TO RECOMPLETE ITS AMERADA
STATE S-"C" No. 5 WELL, LOCATED IN
THE SW/4 SW/4 OF SECTION 4, TOWNSHIP
15 SOUTH, RANGE 33 EAST, NMPN, AS A
SALT-WATER DISPOSAL WELL IN THE
PENNSYLVANIAN FORMATION OF THE
SAUNDERS POOL, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
January 9, 1957, at Santa Fe, New Mexico, before Warren W. Hanks,
Examiner duly appointed by the New Mexico Oil Conservation Com-
mission, hereinafter referred to as the "Commission," in accordance
with Rule 1214 of the Commission Rules and Regulations.

Now, on this 14th day of February, 1957, the Commission,
a quorum being present, having considered the application, the
evidence adduced, and the recommendations of the Examiner, Warren
W. Hanks, 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 case and the subject
matter thereof.

(2) That applicant is the owner of a temporarily
abandoned well in the Saunders Pool known as its State S "C" No. 5
located 660 feet from the South line and 660 feet from the West line
of Section 4, Township 15 South, Range 33 East, NMPN, Lea County,
New Mexico.

(3) Applicant proposes to re-enter said well and
perforate intervals in the 5 1/2 inch casing from 9820 feet to
10,065 feet for salt-water injection into the Pennsylvanian formation
at or below the oil-water contact in said formation.

(4) That the applicant's proposed salt-water injection
program will not jeopardize the production of oil, gas, or fresh
water in the area.

(5) That the applicant's proposed salt-water injection
program is consonant with sound conservation practices.

-2-
Case No. 1183
Order No. R-951

IT IS THEREFORE ORDERED:

(1) That the applicant, Amerada Petroleum Corporation, be and the same is hereby authorized to re-enter its State S "C" Well No. 5, located in the SE/4 SE/4 Section 4, Township 15 South, Range 28 East, NMPN, Lea County, New Mexico, to perforate intervals from 5000 feet to 12,000 feet and complete said well for salt-water injection through aforesaid perforations into the Pennsylvanian formation of the Saunders Pool, provided that the point of injection is at or below the oil-water contact of the Pennsylvanian formation.

(2) That applicant shall submit monthly reports of its disposal operations in accordance with Rules 764 and 1119 of the Commission's Rules and Regulations.

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

**STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION**

E. L. Menden
EDWIN L. MENDEN, Chairman

M. E. Menden
MURRAY E. MENDEN, Member

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

ir/

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

February 18, 1957

Mr. W. G. Abbott
Anadarko Petroleum Corp.
Drawer D
Hemlock, New Mexico

Dear Sir:

We enclose a copy of Order R-951 issued February 14, 1957,
by the Oil Conservation Commission in Case 1193, which was heard
on January 9th at Santa Fe, New Mexico.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

bp
Encl.

C
O
P
Y

OK
for approval
plus requirement
for monthly report.
1/11/57

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 1-11-56

CASE 1193

Hearing Date 1-9-56

My recommendations for an order in the above numbered cases are as follows: -

I recommend that this application be granted as requested:

1. The Amerada - State S⁴C¹ #5 is located 660/S, 660/W lines of sec. 4-15S-33E and is ~~approximately 2 miles west of the Saunders Pool.~~ ^{within} the Saunders Pool.
2. This well is proposed as a Salt H₂O Disposal well for the H₂O of the Saunders Pool.
3. It is proposed to inject water into the Pennsylvania formation thru perforations from 9820 to 10,065 feet and ~~thence~~ into open hole from 10,087 to 10,090. which is ^{near the oil-water contact.}
4. There is need for Salt H₂O Disposal for this area pool in order to prevent pollution of Potable water supplies.
5. The method completion and injection is acceptable.
6. There is no objection from any operators in the pool.
7. The injection will be ^{at} ~~on~~ or below the present oil water ~~contact~~ ^{table} of this Saunders Pool. since this well is structurally lower than any well in the Pool.

Staff Member

W. H. Mc

AMERADA PETROLEUM CORPORATION
P. O. BOX 2040
TULSA 2, OKLAHOMA

Examiner Hg
@ SF 7

Drawer D
Monument, New Mexico
November 21, 1956

#1193

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

Re: Application to Recomplete Amerada
State S"C" No. 5, Saunders Pool,
Lea County, New Mexico as a Salt
Water Disposal Well.

Gentlemen:

By this letter of application Amerada Petroleum Corporation
wishes to state the following:

- A. That Amerada Petroleum Corporation State S"C" No. 5, located in the ^{SW}1/4 of the ^{SW}1/4 of Section 4, Township 15-S, Range 33-E, was completed as an oil well at a total depth of 10,090 feet in the Pennsylvanian Formation on June 4, 1953. The well was temporarily abandoned in February, 1955. The attached Exhibit "A" shows the location of this well on the Amerada State S"C" Lease together with the location of all offset wells.
- B. That water production in the Saunders Pool is increasing and disposal is difficult. The current rate of water production is 2384 barrels per day.
- C. That the Amerada State S"C" No. 5, a temporarily abandoned well will be recompleted in the following manner to dispose of the current Saunders Pool water:
 1. Perforate 5-1/2 inch casing from 9820-9885 feet, 9900-9914 feet, 9940-9955 feet, 9983-10,016 feet, and 10,030-10,065 feet.
 2. Acidize and complete well for injection.
- D. The proposed zone of injection is in the Pennsylvanian formation. (Exhibit "B").
- E. That the present method of disposal of salt water in open evaporation pits is inadequate.

November 21, 1956

F. That the manner and method of the proposed injection is both mechanically feasible and practical.

Therefore, Amerada Petroleum Corporation requests that the Oil Conservation Commission set a certain day on which this application may be heard and after said hearing grant permission to the applicant to recomplete the subject well as a salt water disposal well in the manner proposed in this application.

Respectfully submitted,

AMERADA PETROLEUM CORPORATION

D. C. Capps

D. C. Capps
District Superintendent

DCC/vh

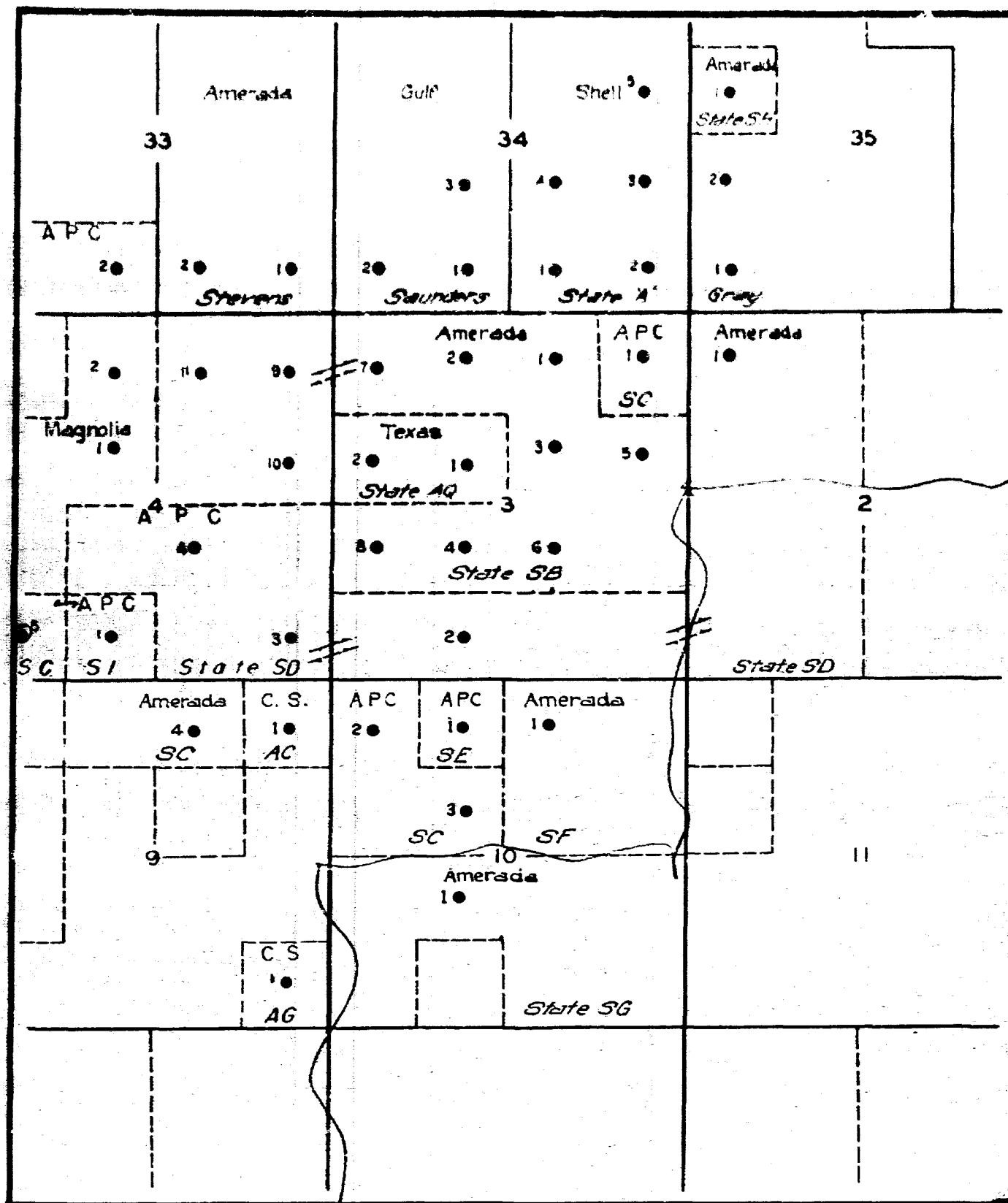
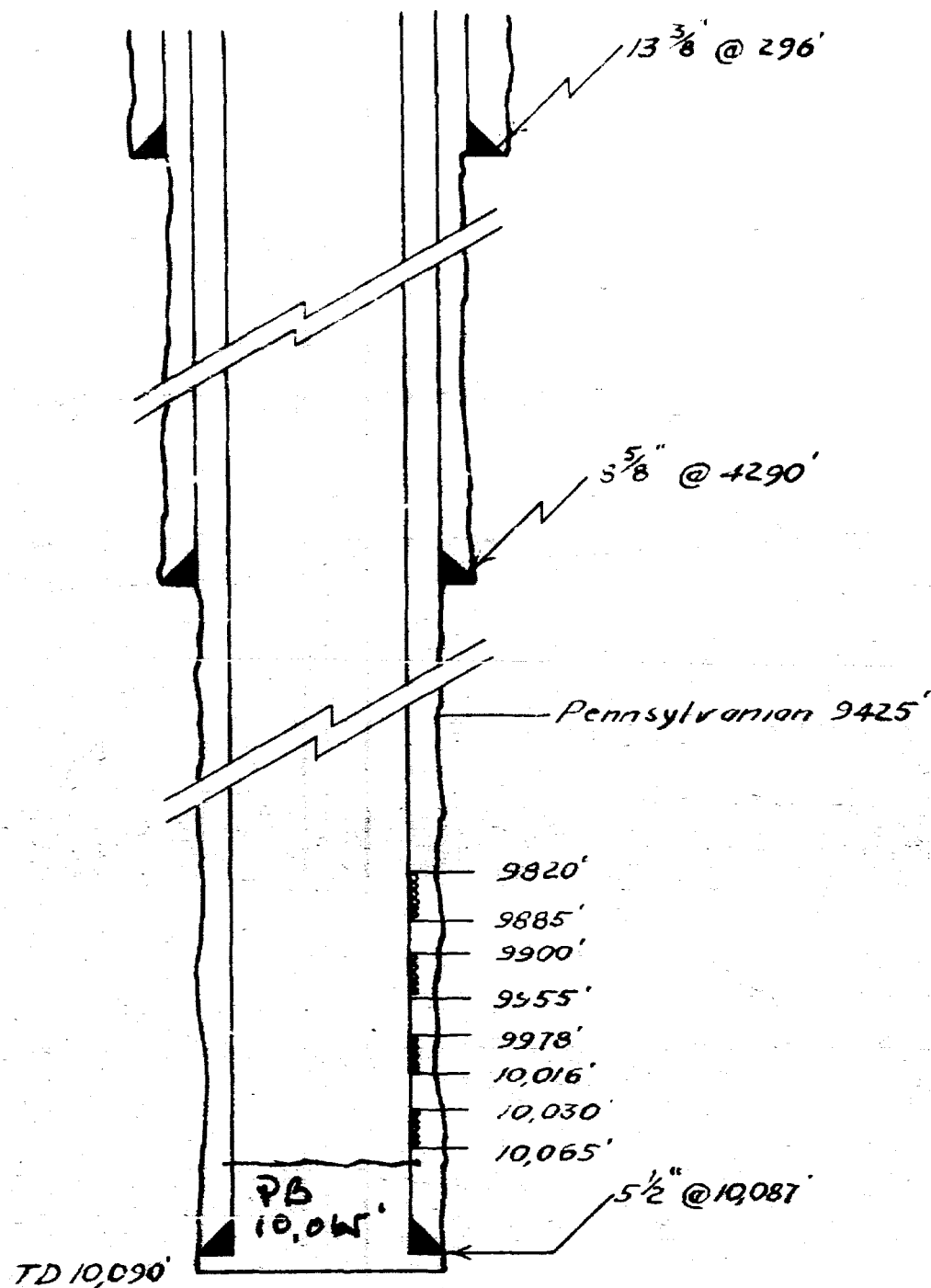


EXHIBIT "A"

SAUNDERS POOL
LEA COUNTY, NEW MEXICO



AMERADA PETROLEUM CORPORATION

Proposed Recompletion to a Salt Water Disposal Well

Saunders Pool, Lea County, New Mexico

Amerada State S"C" No. 5

SW/4 SW/4 4-15S-33E

Exhibit "g"

AMERADA PETROLEUM CORPORATION
P. O. BOX 2042
TULSA, OKLAHOMA

Case #1193

AMERADA PETROLEUM CORPORATION
TULSA, OKLAHOMA
August 27, 1957

Mr. W. G. Abbott
Oil & Gas Division
P. O. Box 971
Dallas, Texas

Dear Sir:

In reply to your request for the well locations
in the 1940-1950 period, in the following locations:

Section 36, Township 15-S, Range 33-E, and
Section 37, Township 15-S, Range 33-E.

Amerada State Corp. No. 1 - 660 ft. P.M. and 660
ft. P.M., Section 4,

Section 36 in Township 15-S, Range 33-E.

Yours truly,

W. G. Abbott
Amerada Petroleum Corporation

WGA

ILLEGIBLE

DOCKET: EXAMINER HEARING JANUARY 9, 1957

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

The following cases will be heard before Warren W. Mankin, Examiner:

CASE 1191: Application of Gulf Oil Corporation for an order establishing a 240-acre non-standard gas proration unit in the Eumont Gas Pool in exception to Rule 5 (a) of the New Mexico Oil Conservation Commission Special Rules and Regulations for said pool, as set forth in Order R-520. Applicant, in the above-styled cause, seeks an order establishing a 240-acre non-standard gas proration unit in the Eumont Gas Pool comprising the SE/4 of Section 8, and the W/2 SW/4 of Section 9, all in Township 21 South, Range 36 East; said acreage to be dedicated to applicant's R. R. Bell "A" No. 2 Well located 660 feet from the South line and 660 feet from the East line of said Section 8.

CASE 1192: Application of Amerada Petroleum Corporation for permission to convert its State S "G" No. 1 Well into a salt water disposal well in the San Andres, Paddeock, Clearfork, and Abo formations of the Saunders Pool in accordance with New Mexico Oil Conservation Commission Statewide Rule 701. Applicant, in the above-styled cause, seeks an order granting permission to convert its State S "G" No. 1 Well into a salt water disposal well; said well is located in the NE/4 SW/4 of Section 10, Township 15 South, Range 33 East, Lea County, New Mexico. Applicant proposes to inject said salt water into the aforesaid four non-productive zones in the Saunders Pool through the annulus space between the intermediate and production casing.

CASE 1193: Application of Amerada Petroleum Corporation for permission to convert its Amerada State S "C" No. 5 Well into a salt water disposal well in the Pennsylvanian formation in the Saunders Pool, Lea County, New Mexico, in accordance with New Mexico Oil Conservation Commission Statewide Rule 701. Applicant, in the above-styled cause, seeks an order granting permission to convert its previously abandoned State S "C" No. 5 Well into a salt water disposal well by injecting water into the Pennsylvanian formation, producing horizon in the Saunders Pool; said well is located in the SW/4 SW/4 of Section 4, Township 15 South, Range 33 East, Lea County, New Mexico.

CASE 1194: Application of Magnolia Petroleum Company for permission to convert its T. Betenbough No. 2 Well into a salt water disposal well in the Pennsylvanian formation of the Bough Pool in accordance with New Mexico Oil Conservation Commission Statewide Rule 701. Applicant in the above-styled cause seeks an order granting permission to convert its previously abandoned T. Betenbough No. 2 Well into a salt water disposal well into the Pennsylvanian formation, the producing horizon in the Bough Pool; said well is located in the SE/4 SW/4 of Section 12, Township 9 South, Range 35 East, Lea County, New Mexico.

CASE 1195: Application of Graridge Corporation, Gulf Oil Corporation and Great Western Drilling Company in compliance with Rule 701 (a) of the New Mexico Oil Conservation Commission Statewide Rules and Regulations for an order granting approval of applicants proposed pilot water flood program in the Queen formation in the Caprock-Queen Pool in Lea and Chaves Counties, New Mexico. Applicants in the above-styled cause seek approval of their proposed pilot water flooding program for the purpose of secondary recovery in which water injection will be made into the Queen formation through six injection wells; said wells to be located in the S/2 of Section 31, Township 12 South, Range 32 East, the NE/4 of Section 6 and NW/4 of Section 5, Township 13 South, Range 32 East, Caprock-Queen Pool, Lea and Chaves Counties, New Mexico.

CASE 1196. Application of The Ibex Company for an order authorizing two pilot water flood projects in the Artesia Pool, Eddy County, New Mexico, in exception to Rule 701 of the New Mexico Oil Conservation Commission Statewide Rules and Regulations and further approval of the unorthodox location of a number of its old wells in said pool. Applicant, in the above-styled cause, seeks an order authorizing two separate pilot water flood projects in the Grayburg formation of the Artesia Pool; said projects to be effected by means of water injection through approximately 10 existing wells in Sections 21, 28, and 32, Township 18 South, Range 28 East, Eddy County, New Mexico. Applicant also seeks Commission approval of the unorthodox location of certain of its old wells in the Artesia Pool.