

CASE 3973: Application of TAYLOR
PRUITT FOR SALT WATER DISPOSAL,
ROOSEVELT COUNTY, NEW MEXICO.

*Reinstated to
Dec 11th*

Case Number

3973

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 11, 1968

EXAMINER HEARING

IN THE MATTER OF:)

Application of Taylor Pruitt)
for salt water disposal,)
Roosevelt County, New Mexico.)

CASE NUMBER
3973

BEFORE:

ELVIS A. UTZ, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 3973.

MR. HATCH: Case 3973, readvertised. Application of Taylor Pruitt for salt water disposal, Roosevelt County, New Mexico.

MR. HINKLE: Mr. Examiner, Clarence Hinkle, of Hinkle, Bondurant and Christy, appearing on behalf of Taylor Pruitt. We have one witness and three exhibits. I would like to have Mr. Davis sworn.

(Whereupon, Applicant's Exhibits A, B and C were marked for identification.)

(Witness sworn.)

WAYMON L. DAVIS

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

DIRECT EXAMINATION

BY MR. HINKLE:

Q State your name and residence and profession.

A Waymon L. Davis, 3221 Spanish Oak Drive. I am a consulting petroleum engineer.

Q Have you previously testified before the New Mexico Oil Conservation Commission?

A No, sir.

Q Will you state briefly your educational background,

as far as your engineering degree is concerned?

A Texas A and M, with a Bachelor of Science in Petroleum Engineering. Worked for five years for Champion Petroleum Company in Texas and Fort Worth, twelve years in Shreveport, Louisiana, as an independent oil operator and consultant, and since April of this year, have been a consultant in Fort Worth, Texas.

Q Are you acting as a consultant with Taylor Pruitt at the present time?

A Yes.

Q Are you familiar with the operations of Taylor Pruitt in the Chaveroo Pool?

A Yes.

Q And have you made an examination of all of the wells and the well logs, and so forth, in connection with their leases?

A Yes, sir.

Q Are you familiar with the application of Taylor Pruitt in this case?

A Yes.

Q What is Taylor Pruitt seeking to accomplish?

A To gather produced water from eight leases, and inject this water into his Humble-Federal Number 5 Well.

The gathering lines will be composed of plastic-coated pipe, or plastic pipe. The water will be gathered into a 500 barrel internally-coated tank. We will have a pump with a capacity to pump 700 barrels a day at maximum injection pressure of 2,000 pounds.

Q Have you prepared some exhibits for introduction in this case?

A Yes.

Q Refer to Exhibit A, and explain what it is and what it shows.

A This is a map showing the leases, wells, and tank batteries from which the water will be gathered. It also shows the lessor and lessees leases within a two-mile radius around the proposed injection well. It has a diagrammatic sketch with the location of the lines, location of the pump station, and the proposed injection well.

Q The wells that are shown on Exhibit A are all producing from the Chaveroo Pool?

A They are producing from the San Andres Formation.

Q And this shows only part of the Chaveroo producing area?

A That is correct.

Q Where is the proposed injection well located?

A It is located in the northwest quarter of the northeast quarter of Section 26, Township 7 South, Range 32, in Roosevelt County, New Mexico.

Q Is the injection well near the edge of the Chaveroo Pool?

A Yes, sir. This well has never produced a lot of oil even though it was fracked. The surrounding wells along this edge are poor producers, and we feel like this is the western limits of the field.

Q Explain what Exhibit B is.

A This is a portion of the gamma ray neutron log run on Number 5 Well. It shows the perforated interval and the shot holes in that interval from 4,086 feet to 4,455 feet. Thirty-six three-eighths inch jet shots were used in that interval.

Q Is this a producing well at the present time?

A It is uneconomical. It is making 2.76 barrels of oil a day and twenty-four barrels of water, and 24.1 MCF per day of gas.

Q Do you propose to convert this into an injection well?

A That is correct.

Q Refer to Exhibit C, and explain what this shows.

A This is a diagrammatic sketch of the proposed completion of the Number 5 Humble-Federal. It shows the surface pipe is eight-and-five-eighths inch, twenty pounds, set at 351 feet, and cemented with 225 sacks of cement. The production string is five-and-a-half inch, fourteen pound and fifteen-and-a-half pound, set at 4,500 feet, and cemented with 650 sacks.

A tension type packer will be set at approximately 4,000 feet on a string of coated two-inch tubing. The annulus will be filled with an inhibited fluid, with a pressure gauge on the casing to indicate any pressure change.

Q Did you furnish the offset operators with a copy of the application, and request waivers from them?

A Yes, sir. I furnished the waivers to Texaco, Shell, Southwest Natural, Humble, and Atlantic Richfield. The waivers were directed to the Commission, and I have no knowledge whether they have been received or not.

Q How much water will go into this well?

A Initially, 600 barrels a day will be injected. There is a concurrent development program going on in the east half of Section 25, and this will add additional water to the system, but we anticipate only 200 to 300 barrels more of water per day, at the most.

Q All the water that will be injected will be produced water from the Taylor Pruitt leases in the Chaveroo?

A This is correct.

Q Do you propose to inject this water into the same general zone from which you have production in the immediate area?

A That is correct.

Q Do you anticipate this will have any appreciable effect on the producing well?

A If it has any effect at all, it will be beneficial.

Q What is the status of the surrounding wells, as far as stage of depletion is concerned?

A The wells back to the east, I mean, yes, back to the east are good producers. And the poorer wells are on the western side of the field.

MR. HINKLE: We would like to offer into evidence Exhibits A, B, and C.

MR. UTZ: Without objection, Exhibits A, B, and C will be entered into the record.

(Whereupon, Applicant's Exhibits A, B and C were admitted in evidence.)

MR. HINKLE: That is all of the direct examination.

CROSS EXAMINATION

BY MR. UTZ:

Q What type of tubing did you say you were going to put?

A Tube-coated, plastic-coated internally. All of the flow lines from the pump to the injection well will also be entirely coated.

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

(Witness excused.)

MR. UTZ: Are there any statements in this case?

The case will be taken under advisement.

I N D E X

<u>WITNESS</u>	<u>PAGE</u>
WAYMON L. DAVIS	
Direct Examination by Mr. Hinkle	2
Cross Examination by Mr. Utz	8

<u>NUMBER</u>	<u>MARKED FOR IDENTIFICATION</u>	<u>OFFERED AND ADMITTED IN EVIDENCE</u>
Exhibits A,B and C	2	7

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 complete record of the proceedings in the hearing before the New Mexico Oil Conservation Commission of Case No. 3923, held on Dec 11, 1968.
Theresa A. Jolly
 _____, Examiner
 New Mexico Oil Conservation Commission

dearnley-meier

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

1170 SIMMS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

December 2, 1968

EXAMINER HEARING

IN THE MATTER OF:

Application of Taylor
Pruitt for salt water
disposal, Roosevelt
County, New Mexico.

Case No. 3973

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. NUTTER: The next case will be Case 3973.

MR. HATCH: Case 3973, application of Taylor Pruitt for salt water disposal, Roosevelt County, New Mexico.

It has been requested by the applicant to readvertise his case for December 11th. The well has been cased.

MR. NUTTER: Case No. 3973 will be continued to the Examiner Hearing at 9:00 o'clock A.M., December 11th. The case has been readvertised to incorporate another well in the hearing, rather than the one that was originally submitted, so we will continue the case till December 11th.

STATE OF NEW MEXICO)
)
 COUNTY OF BERNALILLO) ss

I, SAM 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.

Sam Mortelette

 COURT REPORTER

I do hereby certify that the foregoing is a complete record of the proceedings in the Examinar hearing of Case No. 3978 heard by me on 12/2, 1968.
[Signature]
 _____, Reporter
 New Mexico Oil Conservation Commission

TAYLOR FRUITT OIL INTERESTS

828 COMMERCE BUILDING
FORT WORTH, TEXAS 76102

December 23, 1968

New Mexico Oil Conservation Commission
State Land Office Building
Santa Fe, New Mexico 87501

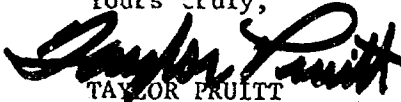
Attention: Mr. A. L. Porter, Jr.

Re: Case No. 3973
Order R-3632
Chaveroo Field, Roosevelt
County, New Mexico

Gentlemen:

With reference to salt water disposal plan authorized by the captioned order, I will not be able to complete my system by January 1, 1968; however, all of the necessary equipment has been ordered, and we plan to start ditching for water line emplacement this week. Also, this is to advise that the construction of the system and the early operation thereof will be diligently pursued.

Yours truly,


TAYLOR FRUITT

TP/v

cc: Mr. S. B. Christy IV
Hinkle, Bondurant & Christy
Post Office Box 10
Roswell, New Mexico 88201

TAYLOR PRUITT OIL INTERESTS

828 COMMERCE BUILDING
FORT WORTH, TEXAS 76102

November 22, 1968

New Mexico Oil
Conservation Commission
State Land Office Building
Santa Fe, New Mexico

Gentlemen:

This will indicate our waiver to any
objections to the proposed salt water injection
program set out in the application of Taylor
Pruitt, scheduled for hearing December 11, 1968
in Chaveroo Field, Roosevelt County, New Mexico.

HUMBLE OIL & REFINING COMPANY

By G. L. Carpenter

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 18, 1968

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

Re: Case No. 3973
Order No. R-3632
Applicant:
Taylor Pruitt

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 - Santa Fe
Bureau of Land Management - Santa Fe

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. 3973
Order No. R-3632

APPLICATION OF TAYLOR FRUITT
FOR SALT WATER DISPOSAL,
ROOSEVELT COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on December 11, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 18th 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, Taylor Pruitt, is the owner and operator of the Humble Federal Well No. 5, located in Unit B of Section 26, Township 7 South, Range 32 East, NMPM, Chaveroo-San Andres Pool, Roosevelt County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the San Andres formation, with injection into the perforated interval from approximately 4086 feet to 4455 feet.

(4) That the injection should be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 4000 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should

-2-

CASE No. 3973
Order No. R-3632

be attached to 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, Taylor Pruitt, is hereby authorized to utilize his Humble Federal Well No. 5, located in Unit B of Section 26, Township 7 South, Range 32 East, NMPM, Chaveroo-San Andres Pool, Roosevelt County, New Mexico, to dispose of produced salt water into the San Andres formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 4000 feet, with injection into the perforated interval from approximately 4086 feet to 4455 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.

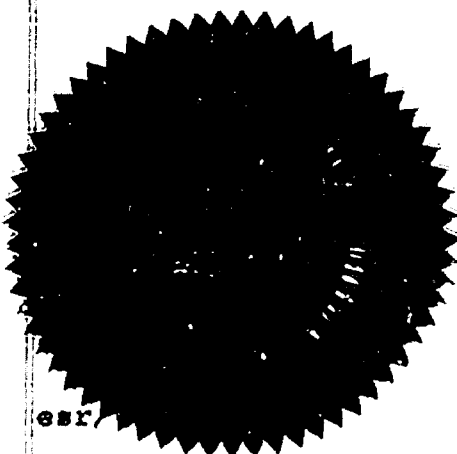
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

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



TAYLOR PRUITT OIL INTERESTS

828 COMMERCE BUILDING
FORT WORTH, TEXAS 76102

November 22, 1968

NOV 27 AM 8 19

New Mexico Oil
Conservation Commission
State Land Office Building
Santa Fe, New Mexico

Gentlemen:

This will indicate our waiver to any objections to the proposed salt water injection program set out in the application of Taylor Pruitt, scheduled for hearing December 11, 1968 in Chaveroo Field, Roosevelt County, New Mexico.

ATLANTIC RICHFIELD COMPANY

By W. P. Anderson

TAYLOR PRUITT OIL INTERESTS

828 COMMERCE BUILDING
FORT WORTH, TEXAS 76102

November 22, 1968

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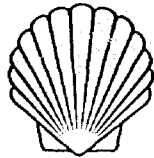
New Mexico Oil
Conservation Commission
State Land Office Building
Santa Fe, New Mexico

Gentlemen:

This will indicate our waiver to any objections to the proposed salt water injection program set out in the application of Taylor Pruitt, scheduled for hearing December 11, 1968 in Chaveroo Field, Roosevelt County, New Mexico.

SOUTHWEST NATURAL GAS COMPANY

By Don C. Bennett



SHELL OIL COMPANY

PETROLEUM BUILDING
P.O. BOX 1509
MIDLAND, TEXAS 79701

December 6, 1968

PH 8 14
DEC 1 1968

Case 3973

New Mexico Oil Conservation Commission
State Land Office Building
Santa Fe, New Mexico 87501

Gentlemen:

Attached is the approved waiver concerning disposal of salt water by Taylor Pruitt Oil Interests in the Chaveroo Field, Roosevelt County, New Mexico. This waiver has been approved with the understanding that disposal of approximately 600 B/D is to be through tubing into the San Andres in a perforated interval between 4086' and 4455'. It is further understood that a packer will be used and that disposal by gravity is anticipated.

Yours very truly,

S. M. Paine - Manager
Production Department - West
Midland Division

DSK:MRB

Attachment

TAYLOR PRUITT OIL INTERESTS

828 COMMERCE BUILDING
FORT WORTH, TEXAS 76102

November 22, 1968

New Mexico Oil
Conservation Commission
State Land Office Building
Santa Fe, New Mexico

Gentlemen:

This will indicate our waiver to any
objections to the proposed salt water injection
program set out in the application of Taylor
Pruitt, scheduled for hearing December 11, 1968
in Chaveroo Field, Roosevelt County, New Mexico.

SHELL OIL COMPANY

By J. W. Anderson

- 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 E 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.

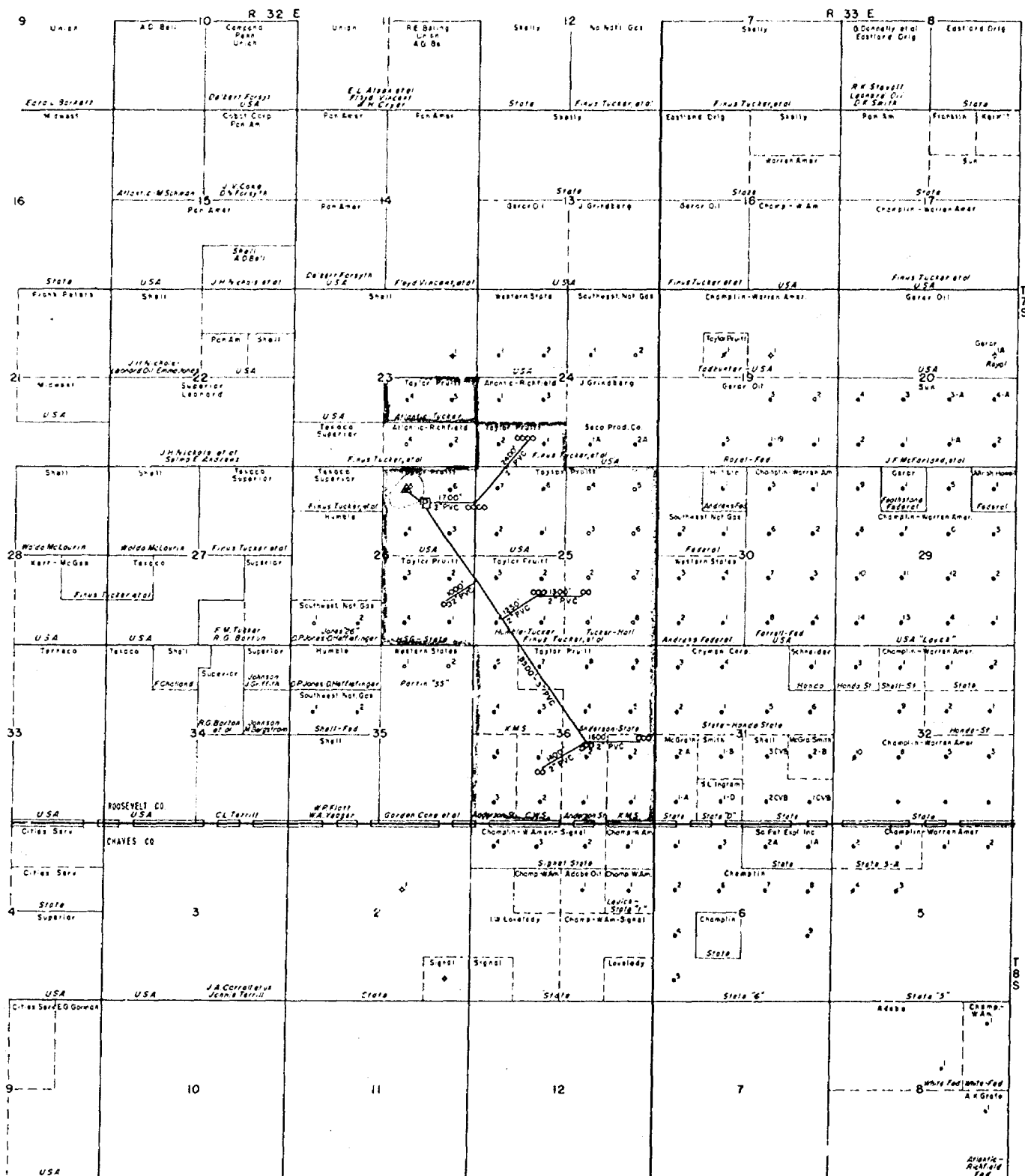
CASE 3973: Application of Taylor Pruitt for salt water disposal, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the perforated interval from approximately 4088 to 4466 feet in the Humble-State Game Commission Well No. 3 located in Unit J of Section 26, Township 7 South, Range 32 East, Chaverco-San Andres Pool, Roosevelt County, New Mexico.

CASE 3974: Application of Franklin, Aston & Fair, Inc., for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Abo formation in the intervals from 6762 feet to 6778 feet and from 6810 feet to 6832 feet in its Brigham H Well No. 2 located in the NW/4 SW/4 of Section 21, Township 17 South, Range 30 East, Loco Hills-Abo Pool, Eddy County, New Mexico.

CASE 3975: Application of Franklin, Aston & Fair, Inc. for the creation of a new oil pool and for special pool rules, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new San Andres oil pool for its Bluit Federal Well No. 1 located 1980 feet from the South line and 660 feet from the East line of Section 13, Township 8 South, Range 37 East, Roosevelt County, New Mexico, and for the promulgation of temporary special rules therefor including a provision for 80-acre spacing and proration units.

CASE 3976: Application of Franklin, Aston & Fair, Inc. 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 interval from 4315 feet to 4340 feet in its Mark Federal Well No. 5 located in Unit O of Section 25, Township 7 South, Range 35 East, Todd-Lower San Andres Pool, Roosevelt County, New Mexico.

CASE 3977: Application of Texas Pacific Oil Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Seven Rivers formation in the perforated interval from 3168 feet to 3196 feet in its Farnsworth "4" Well No. 7 located in Unit F of Section 4, Township 26 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico.

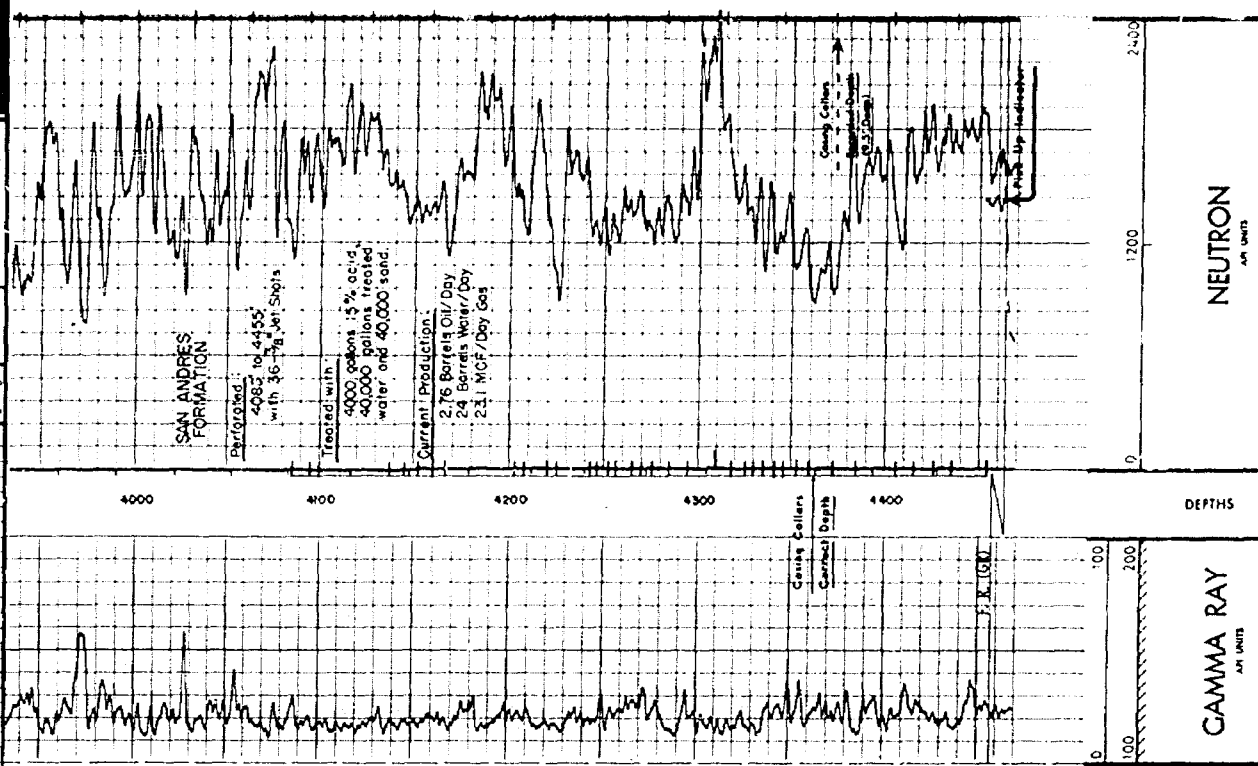


LEGEND:
 △ INJECTION WELL
 □ PUMP STATION
 ∞ TANK BATTERY
 NOTE: All wells producing from San Andres formation.

BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. A
 CASE NO. 3973

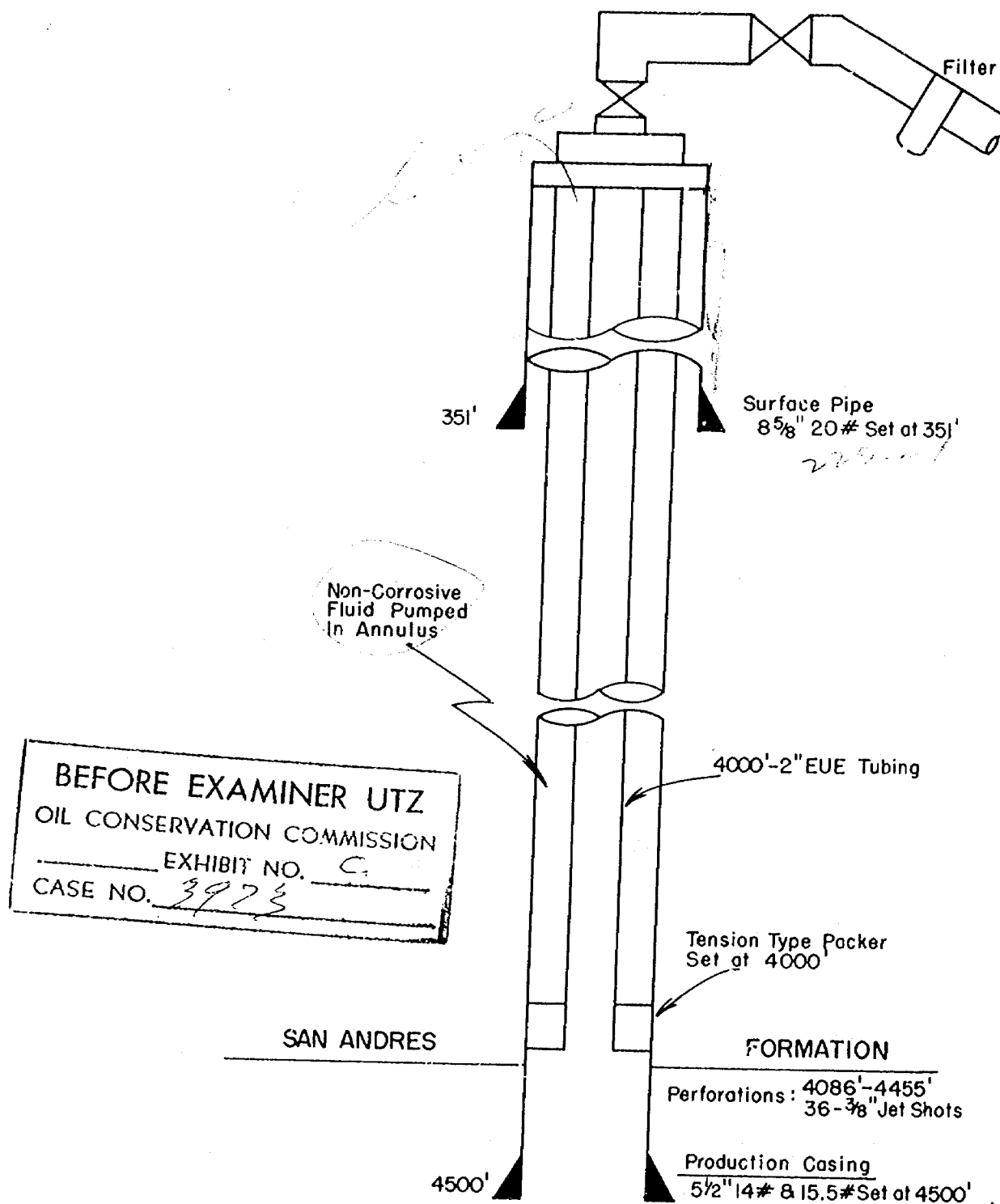
TAYLOR PRUITT
 FORT WORTH, TEXAS
 CHAVEROO SALT WATER DISPOSAL SYSTEM
 CHAVES AND ROOSEVELT CO'S, NEW MEXICO
 EXHIBIT "A"
 W.L. DAVIS
 11-15-68
 SCALE 1" = 1000'

SCHLUMBERGER		GAMMA RAY-NEUTRON	
COUNTY: ROOSEVELT FIELD or LOCATION: CHAVEROO WELL: HUMBLE FEDERAL #5 COMPANY: TAYLOR PRUITT	COMPANY: TAYLOR PRUITT WELL: HUMBLE FEDERAL #5 FIELD: CHAVEROO COUNTY: ROOSEVELT STATE: NEW MEXICO Location: 660' FNL S 1980' FEL Sec. 26 Twp. 7-S Rge. 32-E Other Services: S.E.S. Permanent Datum: G.L. Elev.: 4451.5 Log Measured From: K.B., 9' Off. Above Perm. Datum Drilling Measured From: K.B. Elev.: 4460.5 D.F. G.L. 4451.5		
Date: 9-3-68 Run No: ONE Type Log: GRN-CCL Depth—Driller: 4481 Depth—Logger: 4480 (ON REPEAT) Bottom logged interval: WATER Top logged interval: WATER Type fluid in hole: SURFACE Salinity, PPM Cl: Density: Level: Max rec. temp., deg. F.: Operating rig time: 2 1/2 HOURS Recorded by: GANN Witnessed by: VINSON	PROPOSED INJECTION WELL EXHIBIT "B"		
RUN No: ONE Bit: 7 7/8 SUR. CSG. I.D.	BORE HOLE RECORD From: T.D. To: 15.50 Size: 5 1/2 Wgt. 15.50 SURE	CASING RECORD From: T.D. To: 15.50 SURE	



BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. B
 CASE NO. 3923

EXHIBIT "C"
 DIAGRAMMATIC SKETCH
 OF
 PROPOSED INJECTION WELL
 TAYLOR PRUITT No.5 HUMBLE-FEDERAL



BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. C
 CASE NO. 3923

6300-4000'

TAYLOR PRUITT OIL INTERESTS

828 COMMERCE BUILDING
FORT WORTH, TEXAS 76102

November 5, 1968

Mr. C. E. Hinkle
La Fonda Hotel
Santa Fe, New MexicoRe: Request for Hearing for Disposal of
Salt Water - Chaveroo Field, Roosevelt
County, New Mexico

Dear Sir:

It is requested that you obtain for us by the Trial Examiner, New Mexico Oil Conservation Department, Santa Fe, New Mexico, at your earliest convenience, a hearing to grant disposal for our salt water being produced from the following leases:

Anderson-State	NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36-7S-32E
Atlantic-Tucker	N $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23 & S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 24-7S-32E
CWS	E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36-7S-32E
Humble-Federal	NW $\frac{1}{4}$ Sec. 25-7S-32E & NE $\frac{1}{4}$ Sec. 26-7S-32E
Humble-State Game	SE $\frac{1}{4}$ Sec. 26-7S-32E
Humble-Tucker	SW $\frac{1}{4}$ Sec. 25-7S-32E
KMS	E $\frac{1}{2}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-7S-32E
Tucker-Hall	E $\frac{1}{2}$ Sec. 25-7S-32E

We plan to gather the produced salt water from these leases to a central point on the Humble-State Game Commission lease and inject this water into the Humble-State Game Commission #3 well. The formation to be injected into is the San Andres formation, which is the producing zone on this lease. It may be necessary to ask the Commission to grant us approval for a pilot waterflood in lieu of a disposal request, since we are injecting into the producing formation.

Perforations on the Humble-State Game Commission #3 well (requested injection well) are as follows: 4088-4466, 49 - 3/8" jet shots. The estimated total amount of water to be injected will be 600 barrels per day, with a maximum injection pressure of 2,000 lbs. per square inch.

The following information will be presented at the hearing:

1. Area plat designating wells and leases, gathering lines and injection well.
2. A tabulation of the volume of salt water, by leases, to be disposed of.
3. Water analysis of the water to be disposed of.
4. Log showing the formation in which the water will be disposed.
5. Diagrammatic sketch of the proposed injection well, showing all down-hole equipment.

Please advise if you or the Commission require any further information prior to the hearing.

Yours truly,



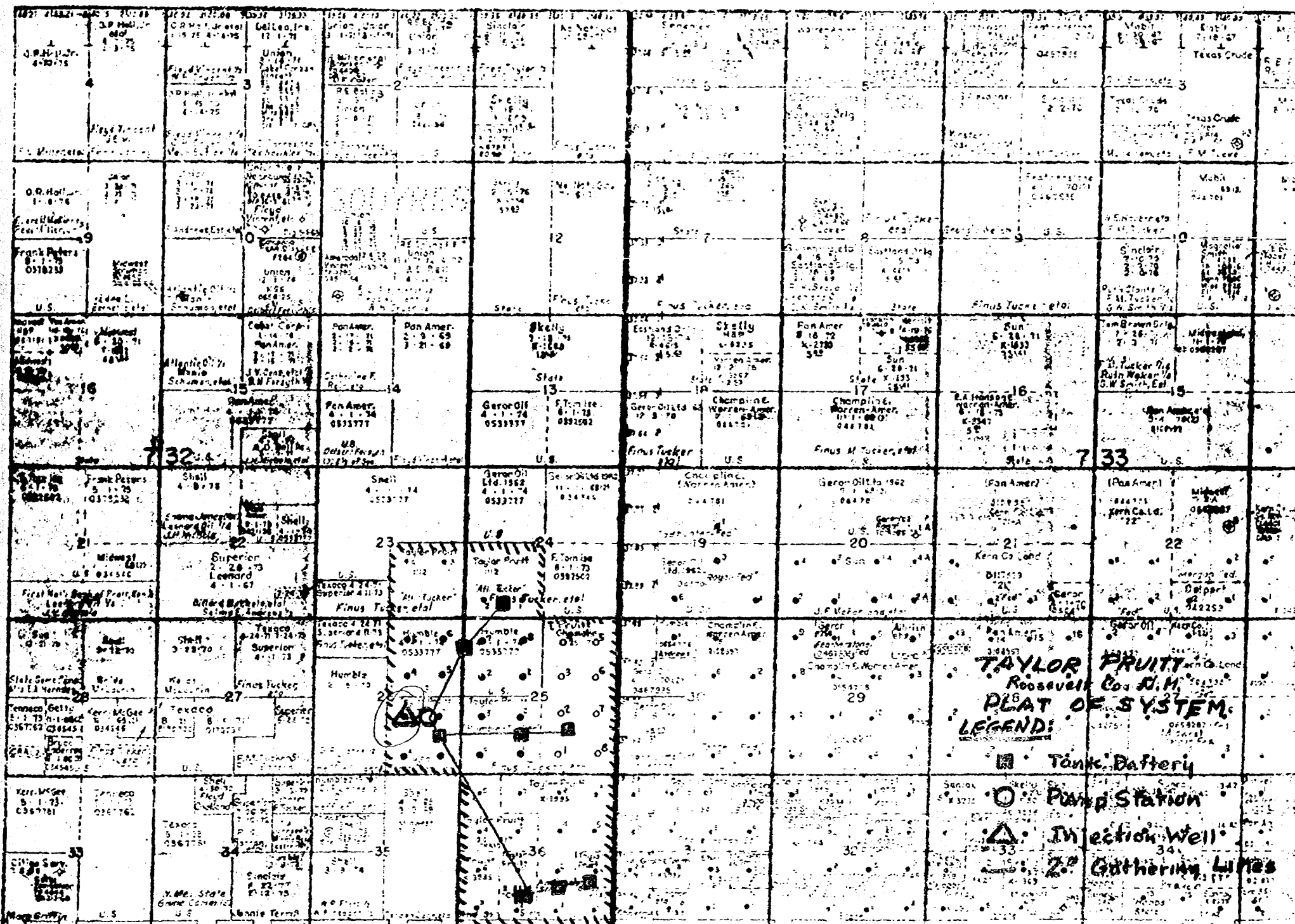
TAYLOR PRUITT

DOCKET MAILED

Date 11-21-68

WD/v

Case 3973



CLARENCE E. HINKLE
W. E. BONDURANT, JR.
S. B. 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

November 22, 1968

MIDLAND, TEXAS OFFICE
521 MIDLAND TOWER
(915) MU 3-4801
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Oil Conservation Commission
Box 2088
Santa Fe, New Mexico 87501

Case 3973
file

Gentlemen:

We enclose in triplicate application of Taylor Pruitt for approval of salt water disposal in the Taylor Pruitt Humble Federal No. 5 well located in the Chaveroo Pool, Roosevelt County. The writer has heretofore discussed this matter with Dan Nutter and George Hatch by telephone and it is our understanding that it will appear on the examiner's docket for December 11.

Yours sincerely,

HINKLE, BONDURANT & CHRISTY

By 

CEH:cs
Enc.
cc: Taylor Pruitt

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

APPLICATION OF TAYLOR PRUITT FOR)
SALT WATER DISPOSAL IN TAYLOR)
PRUITT HUMBLE FEDERAL NO. 5 WELL,)
IN THE CHAVEROO POOL, ROOSEVELT)
COUNTY, LOCATED 660 FEET FROM THE)
NORTH LINE AND 1980 FEET FROM THE)
EAST LINE OF SECTION 26, TOWNSHIP)
7 SOUTH, RANGE 32 EAST, N.M.P.M.)
THROUGH PERFORATIONS FROM APPROXI-)
MATELY 4,086 FEET TO 4,455 FEET)
INTO THE SAN ANDRES FORMATION)
_____)

Oil Conservation Commission
Box 2088
Santa Fe, New Mexico 87501

Comes Taylor Pruitt, acting by and through the undersigned attorneys, and hereby makes application to the Oil Conservation Commission for an order approving the disposal of salt water by injection into the Taylor Pruitt Humble Federal No. 5 well located in the Chaveroo Pool, Roosevelt County, New Mexico located 660 feet from the North line and 1980 feet from the East line of Section 26, Township 7 South, Range 32 East, N.M.P.M. through perforations from approximately 4,086 feet to 4,455 feet into the San Andres formation, and in support thereof respectfully shows:

1. That Taylor Pruitt is the owner of the following described leasehold interests located in the Chaveroo Pool, Roosevelt County, New Mexico, to-wit:

Township 7 South, Range 32 East

Anderson-State	NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36
Atlantic-Tucker	N $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23 , S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 24.
CWS	E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 36
Humble-Federal	NW $\frac{1}{4}$ Sec. 25, NE $\frac{1}{4}$ Sec. 26
Humble-State Game	SE $\frac{1}{4}$ Sec. 26
Humble-Tucker	SW $\frac{1}{4}$ Sec. 25
KMS	E $\frac{1}{2}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36
Tucker-Hall	E $\frac{1}{2}$ Sec. 25

2. There is attached hereto, made a part hereof, and for purposes of identification marked Exhibit "A", a plat showing the proposed Chaveroo salt water disposal system to be constructed by Taylor Pruitt for the purpose of disposing of salt water produced from the above described leases. This plat also shows the location of the proposed injection well and the location of all other wells within a radius of 2 miles from the proposed injection well. All of the wells shown on the plat are producing from the San Andres formation. The owners of the oil and gas leases are also indicated on the plat.

3. That the proposed injection well as indicated on Exhibit "A" is the Taylor Pruitt Humble Federal No. 5 well located 660 feet from the North line and 1980 feet from the East line of Section 26, Township 7 South, Range 32 East, N.M.P.M., and it is proposed to dispose of the produced salt water by injection into said well through perforations from approximately 4,086 feet to 4,455 feet into the San Andres formation. There is attached hereto as Exhibit "B" a partial reproduction of the Gamma Ray-Neutron Log of said well showing the section into which the water will be injected.

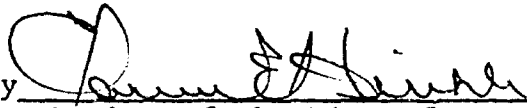
4. That there is attached hereto, made a part hereof, and for purposes of identification marked Exhibit "C", a diagrammatic sketch of the proposed injection well which shows all casing strings, including diameters and setting depths, and perforated intervals, together with tubing strings, including diameters and setting depths, and the type and location of packer to be used.

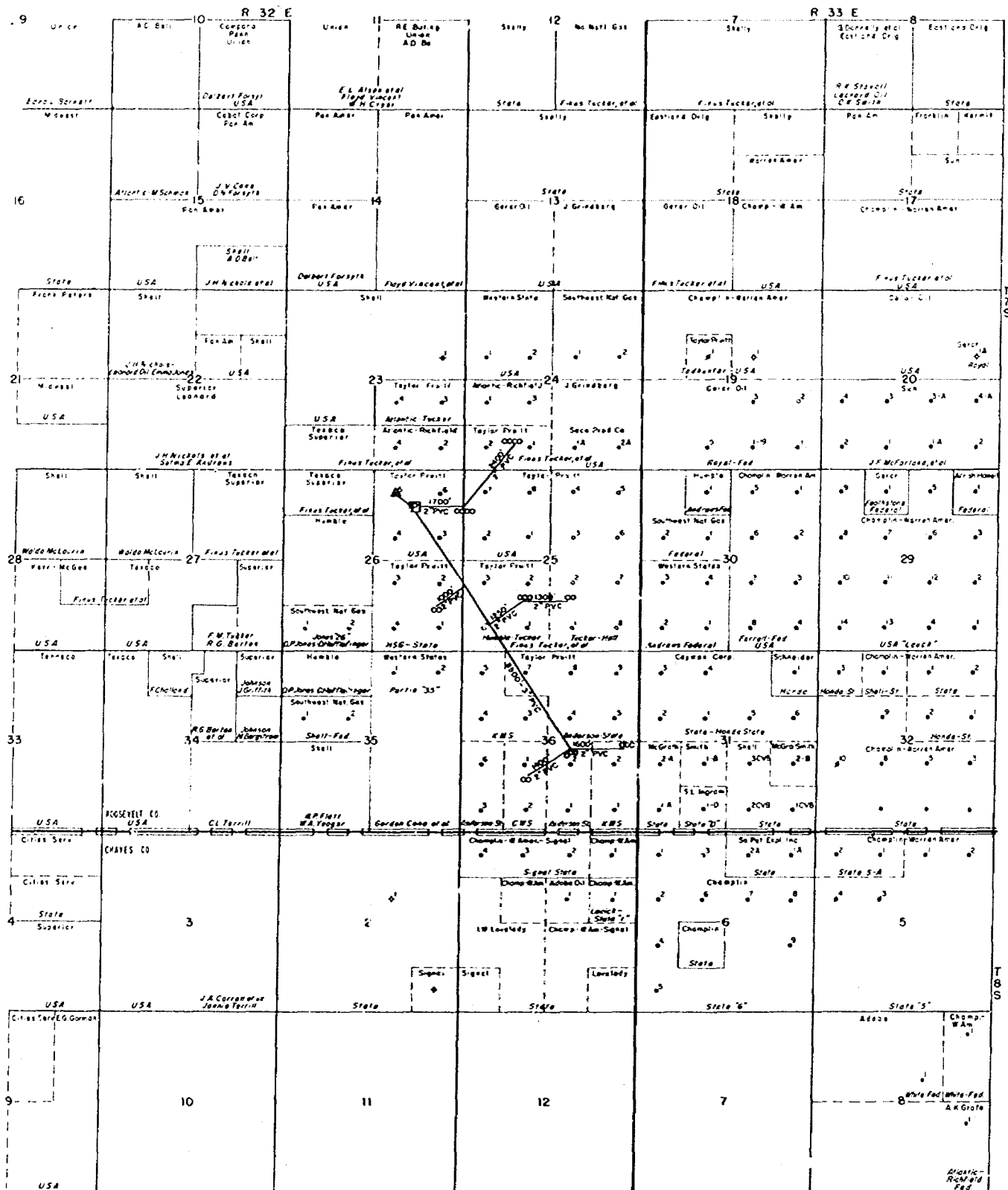
5. That applicant estimates that the water to be injected for disposal will approximate 600 barrels per day, with a maximum injection pressure of 2,000 lbs. per square inch.

6. That while it is not intended at this time that the injection of water into the Taylor Pruitt Humble Federal No. 5 well will constitute a pilot waterflood project, it is believed that the disposal of the produced salt water into the San Andres formation by injection into said well will not interfere with the production of oil and gas from wells now producing from said formation but will be in the interest of conservation and the prevention of waste in that it may result in a greater ultimate recovery of oil and gas from the surrounding wells.

Applicant requests that this matter be set down for the examiner's hearing to be held on December 11, 1968.

TAYLOR PRUITT

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



LEGEND:
 △ INJECTION WELL
 □ PUMP STATION
 ○ TANK BATTERY
 NOTE: All wells producing from San Andres formation.

TAYLOR PRUITT
 FORT WORTH, TEXAS
 CHIAVEROO SALT WATER DISPOSAL SYSTEM
 CHAVES AND ROOSEVELT CO'S, NEW MEXICO
 EXHIBIT "A"
 W.L. DAVIS
 11-15-68
 SCALE
 0 1000 2000

GAMMA RAY - NEUTRON

GAMMA RAY
API UNITS

NEUTRON
API UNITS

DEPTHS

SAN ANDRES FORMATION

Perforated:
4086 to 4455'
with 30-72 Jet Stips

Treated with:
4000 gallons 15% acid
40,000 ballons treated
water and 40,000 solid

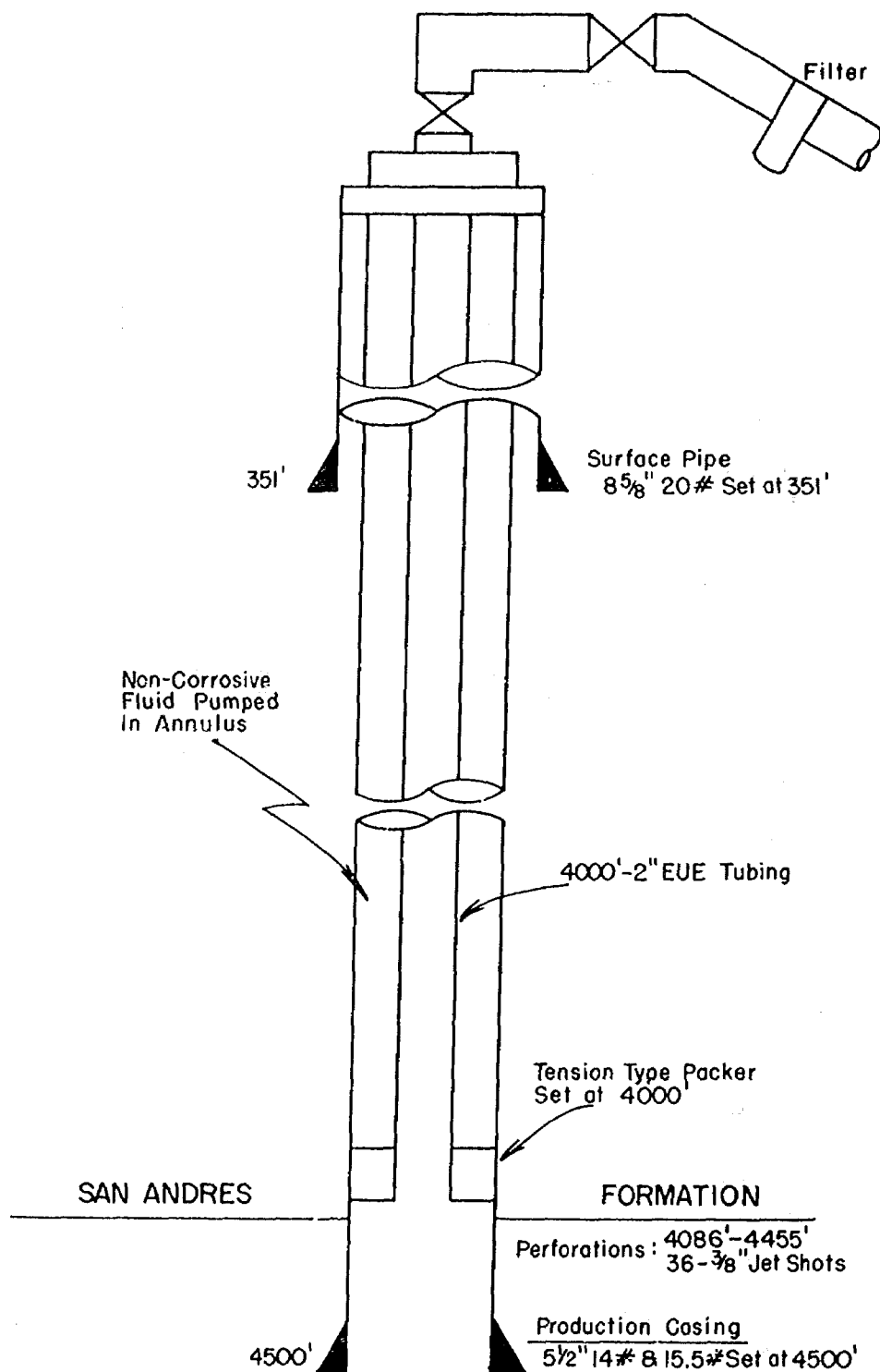
Current Production:
2.76 Barrels Oil/Day
24 Barrels Water/Day
23.1 MCF/Day Gas

Casing Cellars
Current Depth

Pick Up Indicator

Casing Cellars
Current Depth

EXHIBIT "C"
 DIAGRAMMATIC SKETCH
 OF
 PROPOSED INJECTION WELL
 TAYLOR PRUITT No.5 HUMBLE-FEDERAL



Core 3973: (Reamative)

Application of Taylor Pruitt for salt
water disposal, Rio etc -

pages 4086 - 4455

Humble Federal Well No. 5

Unit B

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. 3973

Order No. R- 3632

AWA
Jan
ASP
APPLICATION OF TAYLOR PRUITT
FOR SALT WATER DISPOSAL,
ROOSEVELT COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on December 11, 1968,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

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, Taylor Pruitt,
is the owner and operator of the Humble Federal Well No. 5,
located in Unit B of Section 26, Township 7 South, Range
32 East, NMPM, Chaveroo-San Andres Pool, Roosevelt
County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the San Andres
formation, with injection into the perforated interval
from approximately 4086 feet to 4455 feet.

(4) That the injection should be accomplished through
2 3/8-inch plastic-lined tubing installed in a packer set at

approximately 4000 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, Taylor Pruitt is hereby authorized to utilize ^{his} ~~it/s/~~ Humble Federal Well No. 5 located in Unit B of Section 26, Township 7 South, Range 32 East, NMPM, Chaveroo-San Andres Pool, Roosevelt County, New Mexico, to dispose of produced salt water into the San Andres formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 4000 feet, with injection into the perforated interval from approximately 4086 feet to 4455 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} ~~xxx~~ 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.