CASE 41441 Application of SAM G.
DUNN OIL OPERATIONS FOR SALT
WATER DISPOSAL, CHAVES COUNTY.

Case Number. 21/4/4/

Application

Transcripts.

Small Exhibits

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

June 25, 1969

EXAMINER HEARING

IN THE MATTER OF:

Application of Sam G. Dunn)
Oil Operations for salt)
water disposal, Chaves)
County, New Mexico)

CASE NO. 4144

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING



MR. UTZ: Case No. 4144.

MR. HATCH: Case 4144, continued from the June 4, 1969, Examiner Hearing.

Application of Sam G. Dunn Oil Operations for salt water disposal, Chaves County, New Mexico.

MR. KELLAHIN: If the Examiner please, Jason Kellahin of Kellahin and Fox, appearing for the applicant. I have one witness I would like to have sworn.

(Witness sworn)

(Whereupon, Exhibits Nos. 1, 2 and 3 were marked for identification)

LEWIS C. JAMESON,

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

- Q Would you state your name, please.
- A Lewis C. Jameson.
- Q What business are you engaged in?
- A I am Manager of Petroleum Consultants, Incorporated, in Albuquerque, New Mexico.
- Q In connection with your work with Petroleum Consultants, do you do any work for Sam G. Dunn Oil Operations?

A Yes, I have been retained by Sam G. Dunn Operations to represent this case.

Q Have you made an investigation of the proposal in this case?

- A Yes, I have.
- Q Have you testified before Oil Conservation Commission as an engineer, and made your qualifications a matter of record?
 - A Yes. Actually, I am a geologist.

MR. KELLAHIN: Are the witness's qualifications acceptable?

MR. UTZ: Yes.

Q (By Mr. Kellahin) Mr. Jameson, what is proposed by Sam G. Dunn Oil Operations in Case 4144?

A The applicant is the owner and operator of the

E. Faircloth "C" Well No. 1, located in Unit N of Section 32,

Township 7 South, Range 27 East, Acme-San Andres Pool, Chaves

County, New Mexico.

The applicant proposes to utilize this well to inject produced salt water into the San Andres formation with the injection into the perforated interval from 1,910 to 1,950 feet.

Q Referring to what has been marked Applicant's Exhibit No. 1, would you identify that exhibit?

A That is the application to dispose of salt water by

injecting into the porous formation on the New Mexico Oil Conservation form. The form shows that the injection will be through tubing, 2-3/8ths inch tubing, which will be plastic lined, and the tubing will be set in a packer at approximately 1,890 feet.

- Q What volumes of water will be injected into this well?
- A The application says that a minimum of 50 barrels per day, or a maximum of 125 per day. However, in checking the production records, the applicant doesn't have that volume of water in this area at this time. I would expect the minimum volume to be more like twenty barrels per day.
 - Q What is the source of the water to be injected?
- A It is out of the San Andres-Acme Pool -- Acme-San Andres Pool.
- Q Is it anticipated that the injection will be under pressure?
- A Very little pressure will be needed. The water will be gathered by plastic-lined pipe on the surface, and put in a plastic-lined tank, and injected at a pressure of twenty-five to seventy-five pounds.
- Q Referring to what has been marked as Exhibit No. 2, would you identify that exhibit?
 - A Exhibit No. 2 is a plat of the Acme-San Andres Pool

area. The Faircloth 1-C well is shown on the Northwestern extremity of the field.

- Q Referring to Exhibit No. 3, would you identify that exhibit?
- A Exhibit No. 3 is a schematic sketch of the installation to be utilized in injecting the water.
- Q And that shows the cementing and casing on the well, does it not?
- A Yes, it does. The 5-1/2 inch casing is cemented to approximately 1,300 feet, as calculated; and 8-5/8ths surface pipe is set at 137 feet with cement circulated to the surface.
- Q You have discussed the tubing and packer. Will the casing tubing annulus be filled?
 - A Yes, the annulus will be filled with an inert fluid.
 - Q Will a pressure gauge be installed at the surface?
 - A Yes, a pressure gauge will be utilized.

MR. KELLAHIN: At this time, I would like to offer in evidence Exhibits 1, 2 and 3.

ME. UTZ: Without objection, Exhibits 1, 2 and 3, will be entered into the record of this case.

(Whereupon, Exhibits Nos. 1, 2 and 3 were received in evidence)

MR. KELLAHIN: Do you have anything to add, Mr.

Jameson?

THE WITNESS: No, I don't.

MR. KELLAHIN: That completes the examination of the

witness.

CROSS EXAMINATION

BY MR. UTZ:

- Q You say the tubing will be plastic-coated?
- A Yes.

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

(Witness excused)

MR. UTZ: Any statements?

The case will be taken under advisement. We will take a recess at this time.

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EXHIBITS

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(Application, Pla- Sketch)	t and	

STATE OF NEW MEXICO COUNTY OF BERNALILLO)

I, SAMUEL MORTELETTE, Court Reporter and Notary Public, in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing is a record of the proceedings had before the New Mexico Oil Conservation Commission, on June 4, 1969; that same was reported by me; and that the same is a true and correct record, to the best of my knowledge, skill and ability.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case 80. 41 44 144 25) 19 69

__ Pauminer -Res Mexico Ota Conservation Considering

1120 SIMMS BLDG. . P. O. BOX 1092 . PHONE 243-6691 . AIBUQUERQUE, NEW MEXICO

BEFORE THE

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NEW MEXICO OIL CONSERVATION COMMISTION

Santa Fe, New Mexico

June 4, 1969

EXAMINER HEARING

IN THE MATTER OF:

Application of Sam G. Dunn) Oil Operations for salt water disposal, Chaves County, New Mexico.

Case 4144

BEFORE: DANIEL S. NUTTER, Examiner



TRANSCRIPT OF HEARING

MR. HATCH: Case 4144, application of Sam G.

Dunn Oil Operations for salt water disposal, Chaves County,

New Mexico.

If the Examiner please, the Commission has received a request that this Case be continued to June 25th.

MR. NUTTER: Case 4144 will be continued to the Examiner bearing at 9:00 o'clock A.M. in this same place on June 25, 1969. We will call next Case No. 4136.

STATE OF NEW MEXICO) , SS. COUNTY OF BERNALILLO)

I, SAMUEL MORTELETTE, Court Reporter in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Jumice / Mother Modelle

New Herico Oil Conservation Compassion

SAM G. DUNN OIL OPERATIONS

P. D. BOX 3095

LUBBOCK, TEXAS 79410

1603 BROADWAY Lubbock, Texas 806 pg 2-4186

June 10, 1969

Mr. Lewis C. Jameson
Petroleum Consultants, Inc.
2820 Central Avenue, S. E.
Albuquerque, New Mexico 87106

Re: Conservation Commission Hearing June 25, 1969 - No. 1 Faircloth S.W.D.

Dear Lewis:

We would appreciate it if you would represent us as an engineer on the hearing scheduled for June 25 on our application to use our No. I Faircloth C as a Salt Water Disposal Well. Attached is a copy of our file for this application including electric log which we would appreciate you returning to us after the hearing.

I am writing Jason Kellahin asking him to be our attorney to represent us on this date.

Sincerely,

Ray J. Diekemper, Jr.

rjd mj

Enclosure

cc: Mr. Jason Kellahin Mr. D. S. Nutter SAM G. DUNN DIL DERAMONS P. O. BOX 3095 LUBBOCK, TEXAS 79410

EUBBOCK, TEXAS 806 PD 2-4186

June 10, 1969

Mr. Jason Kellahin Kellahin & Fox Box 1769 Santa Fe, New Mexico

Conservation Commission Hearing June 25, 1969 - No. 1 Faircloth S.W.D. Re:

Fill Cant

Dear Mr. Kellahin:

They have scheduled us for the subject hearing on June 25.

It would be appreciated if you could represent us as the attorney for this application.

We are asking Lewis Jameson to appear for us as an engineer in this case. Attached is a copy of our application, minus our electric log.

Sincerely,

Ray J. Diekemper, Jr.

rjd mj

Enclosure

cc: Mr. Lewis C. Jameson Mr. D. S. Nutter



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501 GOVERNOR DAVID F. CARGO CHAIRMAN

LAND COMMISSIONER ALEX J. ARMIJO MEMBER

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

July 8, 1969

Mr.	Ja	son	Kel	la	nin
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Re:	Case No	414	4)		
	Order No	R-3784	and	R-3787	
	2.				

Applican:

Jack L. McClellan & Sam G. Dunn

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

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Copy of order	also sent to:			
Hobbs OCC				
Artesia OCC_	×			
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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. 4144 Order No. R-3787

APPLICATION OF EAM G. DUNN OIL OPERATIONS FOR SALT WATER DISPOSAL, CHAVES COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 25, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 7th day of July, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Sam G. Dunn Oil Operations, is the owner and operator of the E. Faircloth "C" Well No. 1, located in Unit N of Section 32, Township 7 South, Range 27 East, NMPM, Acme-San Andres Pool, Chaves 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 1910 feet to 1950 feet.
- (4) That the injection should be accomplished through 2-inch plastic-lined tubing installed in a packer set at approximately 1890 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should

-2-CASE No. 4144 Order No. R-3787

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, Sam G. Dunn Oil Operations, is hereby authorized to utilize its E. Faircloth "C" Well No. 1, located in Unit N of Section 32, Township 7 South, Range 27 Rast, NMPM, Acme-San Andres Pool, Chaves County, New Mexico, to dispose of produced salt water into the San Andres formation, injection to be accomplished through 2-inch tubing installed in a packer set at approximately 1890 feet, with injection into the perforated interval from approximately 1910 feet to 1950 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 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

DAVID-F. CARGO, Chalaman

MARK J. ARMIJO Member

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

Case 4/44
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DANIELS & NUTTER, EXAMINER NEW MEXICO OIL CONSERVATION COMM STATE LAND OFFICE SANTA FE NMEX

= AS OFFSET OPERATOR I SUPPORT THE APPLICATION OF SAM & DUNN OIL OPERATIONS FOR SALT WATER DISPOSAL ACME POOL CHAVEZ COUNTY NMEX CASE #4144 N DALE NICHOLS

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 25, 1969

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

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

Application of Northern Natural Gas Company for the suspension of certain provisions of Rules 14 (A) and 15 (A) of Order No. R-1670, as amended, of the General Rules and Regulations for the prorated gas pools of Southeastern New Mexico. Applicant, in the above-styled cause, seeks suspension, for a period of one year from July 1, 1969, of those provisions of Rules 14 (A) and 15 (A) of the General Rules and Regulations for the prorated gas pools of Southeastern New Mexico promulgated by Order No. R-1670, as amended, that provide, respectively, for the cancellation of unproduced allowable and the shutting-in of overproduced wells. Applicant seeks said suspension for the Blinebry, Eumont, Jalmat, Monument-McKee, and Tubb Gas Pools.

CASE 4152: Application of Anadarko Production Company for an amendment of Order No. R-3628, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3628, which authorized the institution of a waterflood project in the Loco Hills SandUnit Area, Loco Hills Pool, by the injection of water through certain wells located in Township 18 South, Range 29 East, Eddy County, New Mexico. Applicant seeks to delete 3 injection wells located or to be located in Section 4 of said Township and Range and to substitute in lieu thereof the following 3 wells in said Section 4;

A well to be drilled 2460 feet from the North line and 180 feet from the East line;

A well to be drilled 1980 feet from the South and West lines;

A well to be drilled 10 feet from the South line and 1650 feet from the West line.

Applicant further seeks a procedure whereby other injection wells may be substituted administratively for those previously authorized in order to have an efficient injection pattern.

CASE 4141: (Readvertised)

Application of McCasland Disposal System for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Mexico.

Seven Rivers formation in the intervals from approximately 3756 feet to 3851 feet and from approximately 3918 feet to 3939 feet, respectively, in the Getty Oil Company J. H. Day Wells Nos. 1 and 2, both located in the NW/4 of Section 6, Township 22 South, Range 36 East, Jalmat Field, Lea County, New Mexico.

- CASE 4153: Application of Amerada Petroleum Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Wolfcamp and Pennsylvanian formations in the interval from approximately 9508 feet to 10,000 feet in its L. W. Ward Well No. 5 located in Unit J of Section 11, Township 13 South, Range 38 East, Bronco-Wolfcamp Pool, Lea County, New
- CASE 4107:

 (Continued from the April 23, 1969 Examiner Hearing)

 Application of Coastal States Gas Producing Company for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the West Sawyer-San Andres Pool, Lea County, New Mexico, including a provision for 80-acre spacing and proration units.

CASE 4144:

(Continued from the June 4, 1969, Examiner Hearing)

Application of Sam G. Dunn Oil Operations for salt water disposal, Chaves County, New Mexico. Applicant, in the abovestyled cause, seeks authority to dispose of produced salt water into the San Andres formation in the perforated interval from approximately 1910 feet to 1950 feet in its E. Faircloth "C"

Well No. 1 located in Unit N of Section 32, Township 7 South, Range 27 East, Acme-San Andres Pool, Chaves County, New Mexico.

- CASE 4154: Application of Pan American Petroleum Corporation for a pool creation and discovery allowable, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks the creation of a new Blinebry oil pool for its State "C" Tract 11 Well No. 3 located in the NW/4 SE/4 of Section 2, Township 21 South, Range 36 East, Lea County, New Mexico, and for the assignment of an oil discovery allowable in the amount of approximately 28,510 barrels to said well.
- CASE 4155: Application of Pan American Petroleum Corporation for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves and Roosevelt Counties, New Mexico, after January 1, 1969. Said

Examiner Hearing - June 25, 1969

Docket No. 18-69

(Case 4155 continued)

exception would be for the applicant's wells located in Sections 28 and 33, Township 19 South, Range 32 East, Lusk Field, Lea County, New Mexico. Applicant seeks authority to dispose of salt water produced by said wells in unlined surface pits in said sections.

- CASE 4156:
- Application of Jack L. McClellan for an exception to Order No. R-3221, as amended, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas or both, on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for applicant's wells located in the SE/4 and NE/4, respectively, of Section 13 and 24, Township 15 South, Range 29 East, Sulimar-Queen Pool, Chaves County, New Mexico. Applicant, seeks authority to dispose of salt water produced by said wells in unlined surface pits located in said quarter sections.
- CASE 4157:
- Application of Texaco Inc. for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Eunice-Monument Unit Area comprising 1516 acres, more or less, of State and fee lands in Township 20 South, Ranges 36 and 37 East, Lea County, New Mexico.
- CASE 4158:
- Application of Texaco Inc. for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its Eunice-Monument Unit Area by the injection of water into the Grayburg and San Andres formations through 18 wells located in Section 24, Township 20 South, Range 36 East, and in Sections 19, 20, 21, 29 and 30, Township 20 South, Range 37 East, Eunice-Monument (Grayburg-San Andres) Pools, Lea County, New Mexico.
- CASE 4159:
- Application of Southwestern Natural Gas Company, Inc. for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill at an unorthodox oil well location 2310 feet from the North line and 1980 feet from the West line of Section 27, Township 15 South, Range 32 East, North Anderson Ranch-Wolfcamp Pool, Lea County, New Mexico.

KELLAHIN AND FOX ATTORNEYS AT LAW 54% EAST SAN FRANCISCO STREET POST OFFICE BOX 1769 SANTA FE, NEW MEXICO 87501

June 14, 1969

RLEPHONE 982-4315 AREA CODE 505

Mr. Ray J. Diekemper, Jr. Sam G. Dunn Oil Operations P. O. Box 3095 Lubbock, Texas 79410

Bear Mr. Malignpor:

This will acknowledge receipt or your request that I represent you in the Oil Conservation Commission application for salt water disposal in the No. 1 Faircloth well, Chaves County, New Mexico.

I have talked with Lewis Jameson, and we will be prepared to present this case at the hearing on June 25, as requested. It should take about a week after the hearing before an order is entered approving the disposal well, however, I anticipate no difficulty.

Yours very truly,

Jason W. Kellahin

JWK:ss

JASON W. KELLAHIN

SAM G. DUNN DIL OPERATIONS P. O. BOX 3095

LUBBOCK, TEXAS 79410 May 21, 1969

May 21, 1969

file - Care
4144

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

Re: Application to dispose of salt water Sam G. Dunn Oil Operations # 1 E. Faircloth "C" N Section 32, T-7-S, R-27-E Chaves County, Texas

A

Gentlemen:

We thought you would be interested to know the good feeling of your state landowners regard your commission action regard the oil field disposal problem.

Enclosed is a copy of letter we received from landowner in response to sending copy of the above caption application.

It is good to know that all interested concur with the program and we trust that our program can be completed in the near future,

Yours very truly,

Sam G. Dunn Oil Operations

Wm. T. Thomas

Jan 25th reason

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Roswell, new mex. may. 19 1969 Sam G. Dunn Ail Operatois Lubbock. Lexas Mr. Ray J. Diekemper fr. General manager En regier 1 to your letter of may 5, I quite agree with the Consumation Compoursion. In the past have had some cattle loss from I am sorry the well does not produce the open pits. How about the other two? These I hope any more. I believe the last check I received was are still producing. Thank you for the letter and information. in march. Ewas sorry the house was not equipped for Since of Everna SM. Foureloth ome ome are me. Living. Comid are me.

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 4, 1969

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

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

- CASE 4121: (Continued from the May 7, 1969, Examiner Hearing)
 Application of Roger C. Hanks for special pool rules, Mea County,
 New Mexico. Applicant, in the above-styled cause, seeks the
 promulgation of special pool rules for the Bar U-Pennsylvanian
 Pool, Lea County, New Mexico, including a provision for 160acre spacing and proration units and the assignment of 80-acre
 allowables.
- CASE 4143: (Continued from the May 21, 1969, Examiner Hearing)
 Application of Amerada Petroleum Corporation for downhole
 commingling and special gas-oil ratio limitation, Lea County,
 New Mexico. Applicant, in the above-styled cause, seeks
 authority to commingle production from the Eumont Gas Pool and
 the Skaggs-Grayburg Pool in the wellbore of its Fred Turner,
 Jr., "A" Well No. 2, the Eumont completion of which is presently
 classified as a gas completion, located in Unit K of Section 18,
 Township 20 South, Range 38 East, Lea County, New Mexico. Applicant, further seeks the establishment of a special gas-oil ratio
 limitation for the subject well,

CASE 3796: (Reopened)

In the matter of Case No. 3796 being reopened pursuant to the provisions of Order No. R-3452, which order established 160-acre spacing units for the Cerca-Upper Pennsylvanian Pool, Lea County, New Mexico, for a period of or ear. All interested parties may appear and show cause why said pool should not be developed on 40-acre or 80-acre spacing units.

CASE 4093: (Reopened)

Application of BTA Oil Producers for salt water disposal, Lea County, New Mexico. Order No. R-3727, dated April 15, 1969, authorized the applicant to dispose of produced salt water into the Devpnian formation in the intervals from approximately 12,233 feet to 12,275 feet in its Max Pray State "E" Well No. 1 and from approximately 12,088 to 12,164 feet in its Max Pray State "E" Well No. 2 located, respectively, in Units F and C of Section 5, Township 10 South, Range 36 East, adjacent to the West Crossroads-Devonian Pool, Lea County, New Mexico. Applicant now seeks authority to extend said Devonian zones of disposal to 12,233 feet to 12,500 feet in said Well No. 1 and 12,088 feet to such depth as is necessary in said Well No. 2.

Examiner Hearing June 4, 1969

Docket No. 16-69

CASE 4144:

Application of Sam G. Dunn Oil Operations for salt water disposal, Chaves 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 1910 feet to 1950 feet in its E. Faircloth "C" Well No. 1 located in Unit N of Section 32, Township 7 South, Range 27 East, Acme-San Andres Pool, Chaves County, New Mexico.

CASE 1135: (Continued and readvertised)

Application of Mallard Petroleum 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 open-hole interval from approximately 3700 feet to 370 January (to Milner Federal Well No. 4, located in Unit Company, January, 20 South, Range 34 East, Lyrch (Yates) Pool, Loa County, New Memico.

CASE 4145:

Application of Tenneco Oil Company for an exception to Order No. R-3221, as amended, Lea and Eddy Counties, New Marko. Applicant, in the above-styled which order ground in to Order No. K-3221, as amended, which order ground is the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for applicant to Dusk Field leases comprising the SW/4 NW/4 of Section 19, Township 18 South, Range 32 East, Lea County, New Mexico, and the NE/4 of Section 24, Township 19 South, Range 31 East, Eddy County, New Mexico. Applicant seeks authority to dispose US sait water produced by wells completed on said leases in unlined surface pits on said leases.

CASE 4146:

Application of V. S. Welch for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicants lease comprising the NE/4 of Section 28, Township 18 South, Range 31 East, Shugart Field, Eddy County, New Mexico. Applicant seeks authority to dispose of salt water produced by Walls completed or to be completed on said lease in unlined surface pits on said lease.

Examiner Hearing
June 4, 1969
-3-

Docket No. 16-69

- CASE 4147: Application of Mobil Oil Corporation for pool reclassification, Lea County, New Mexico. Applicant, in the above-styled cause, seeks to have the North Vacuum-Morrow Pool, Lea County, New Mexico, reclassified from an oil pool to a gas pool.
- CASE 4148: Application of Fannie Lee Mitchell, Inc. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Wolfcamp formation in the perforated interval from approximately 10,450 feet to 10,550 feet in the former Southern Petroleum Exploration Co., Inc. Machris State 36-3 Well No. 1 located in Unit W of Section 3, Township 16 South, Range 35 East, Townsend-Wolfcamp Pool, Lea County, New Mexico.
- CASE 4149: Application of Jack L. McClellan for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for applicant's Harris Well No. 1 located in Unit P, Section 5, Township 16 South, Range 30 East, West Henshaw-Grayburg Fool, Eddy County, New Mexico. Applicant seeks authority to dispose of salt water produced by said well in unlined surface pits in the vicinity of the well.

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR			ADDRESS			
	001 0	م مام الم		The state of the	M	70430
Sam G. Dunn	OH Opera	ITIONS	Box 3095	Lubbock,	Texas	79410
	(0)			an Andros		1
E. Faircloth	<u></u>		Acme St	an Andres		Chaves
			.			
UNIT LETTER	; w	ELL IS LOCATED	330 FEET PROM	THE South	LINE AND	310 PEET FROM TH
73F	32 то	WASHIP 7-S	RANGE 27-E	, * ,		
West LINE, SECTION	32 10		RANGE Z/-E	NMPM.		
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEM	ENT	TOP DETERMINED BY
SURFACE CASING		Jan Hill Garage	SACKS CEMENT	10F OF CEM	-	TOP OETERMINED ST
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INTERMEDIATE	0-3/0	107	100	Suitace	 	circulated
			1			
LONG STRING		 		316		
	5-1/2"	1956'	100	1300'	ن ا	alculated fill
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	2″	approx 192	D. Simpak Pla	1300° stic Coated 2 ox 1890°	x2-1\5	פמ סז עט:
NAME OF PROPOSED INJECTION FORMA	i	1 -64-01-	set at appr	OX 1890.		FORMATION
San Andres			134) • 🔶 🚿	19	75 TD.
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Tubing	1	Perfor	ations	1910' - 1950'		n de la companya de La companya de la co
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No	for oi	l but broduc	ed only water	λ	TION ZONE	NO
LIST ALL SUCH PERFORATED INTERVA	S AND SACKS OF C	EMENT USED TO SEAL	OFF OR SQUEEZE EACH		-l	
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA		DEPTH OF BOTTOM O	F NEXT HIGHER	DEPTH OF TO	OP OF NEXT L	OWER
THESH WATER ZONE IN THIS AREA	70 '	OIL OR GAS ZONE IN	None		zone in this	AREA
ANTICIPATED DAILY MINIMUM	I MAXIMUM	OPEN OR CLO	SED TYPE SYSTEM	S INJECTION TO BE BY GR		APPROX. PRESSURE (PSI)
(aats:) 50	125	Glo	osed	Pressure		25 to 75
ANSWER YES OR NO WHETHER THE FOI ERALIZED TO SUCH A PEGREE AS TO B STOCK, IRRIGATION, OR OTHER GENER		RE MIN- WATE	R TO BE DISPOSED OF N	ATURAL WAYER IN DISPO-	ARE WATE	ANALYSES ATTACHED?
STOCK, IRRIGATION, OR OTHER GENER	AL USE -		Yes	Yes		No
NAME AND ADDRESS OF SURFACE OWN	ER (OR LESSEE, IF	STATE OR FEDERAL LA	NO)			
Mrs Everna M P	aircloth	108 North	Michigan Ave	nue Roswell	New	Mexico
Mrs. Everna M. P	OFERATORS WITHIN	ONE-HALF () MILE O	F THIS INJECTION WELL	10011,011	7	111011100
Sam G. Dunn Oi	Operation	s Box 30	95 Lubbock	. Texas 7941	0	
<u> </u>	<u>. Opo.u</u>	Jon Jon Jon	June 2001		·	
				BEFORE	EXA	MINER UTZ
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				Cenn.	EXHIBIT	NO.
				CASE NO.	1110	111
بالمهمورة المارين أماريج للإنجابي		•		CASE NO.	-7/-	
HAVE COPIES OF THIS APPLICATION B SENT TO EACH OF THE FOLLOWING?	EEN SURFACE OW	NER	EACH OPERATOR	WITHIN ONE-HALF MILE	THE NEW P	EXICO STATE ENGINEER
,	Ye	ន	Ye	es	· •	Yes
ARE THE FOLLOWING ITEMS ATTACHE THIS APPLICATION (SEE RULE 701-B)	TO PLAT OF ARE		ELECTRICAL LOC			ATIC SKETCH OF WELL
		es	Y	es ·		Yes
I hereby co	ertify that the in	formation above is	true and complete to	the best of my know	viedge and	belief
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NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well. not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

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S.G. Dunn

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Salf Waler Disposal Well

Som G.Dunn Oil Operations.

16.1-C Faircloth

330' fr. SL; 2310' fr. W.L.

Sec. 32, T.-7-5; R:-27-E

Chaves County, New Mexico

Elev. 4012' qr.

Depth

Injection thru 2" tubing

Charles County, M.

Stev. 4012'gs

Comented w/100 sacks- Circulated

200

17% hole

27% hole

1700

1700

Approx. 1900 to 1920' of 2" plastic lined tubing

Perforated casing 1910-30'\$1334-50'

52" csg. sut 1955' P.B. 1956' Cemented w/100 sacks

179. 7% hole 1975'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
CASE NO. 4444

Form C-108 Case

Revised 1-1-65

Thistory 9 4/49

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR.			ADDRESS				
Sam G. Dunn	Oil Onera	tions	Box 30	195	Lubboc≹, '	Texas	79410
LEASE NAME	OII Opeiu	WELL NO.	FIELD	, 55	Lubbooke,	Ievas	COUNTY
E. Faircloth "	Cir	1	Acme	San A	ndres 🕰		Chaves
LOCATION	<u> </u>		1 1101110	<u> </u>			1 01.4400
UNIT LETTER	; we	ELL IS LOCATED 3	30 FEET FF	ROM THE	South	NE AND	2310 FEET FROM THE
West LINE, SECTION	32 TOV	VNSHIP 7-S	RANGE 27		мрм.		
NAME OF STRING	SIZE	r	AND TUBING DAT				
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INTERMEDIATE	0-3/0"	13/-	100		surface		circulated
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LONG STRING			<u> </u>				
	5-1/2"	1956'	100	.]	1300°		anlandated fill
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	2"	approx 192	h Simpak P.	lastic	Coated 2"	X5-1/	2OD to be
NAME OF PROPOSED INJECTION FORMA		-PP-011.120	set at ap	DIOX I	930.	BOTTOM O	F FORMATION
San Andres	· .	•	1.9	341'		10	975 TD.
IS INJECTION THROUGH TUBING, CASIN	GOR ANNULUS?	PERFORATIONS	S OR OPEN HOLE! PE		TERVAL(S) OF INJE		7.0 1271
Tubing		Perfora	ations	1910	- 1950		
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LIST ALL SUCH PERFORATED INTERVAL	LS AND SACKS OF CE	MENT USED TO SEAL	OFF OR SQUEEZE EAC	н			
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The state of the s	70°	OIL OR GAS ZONE IN	None		No		S AREA
ANTICIPATED DAILY MINIMUM	MAXIMUM	OPEN OR CLOS	ED TYPE SYSTEM	IS INJECT	10K TO BE BY GRA	VITY OR	APPROX. PRESSURE (PSI)
(BBLS.) ! 50	125		sed		Pressure		25 to 75
ANSWER YES OR NO WHETHER THE FOLERALIZED TO SUCH A DEGREE AS TO 8 STOCK, IRRIGATION, OR OTHER GENER.	LOWING WATERS AR	E MIN- WATER	TO BE DISPOSED OF	NATURAL SAL ZONE	WATER IN DISPO-	ARE WATE	R ANALYSES ATTACHED?
1			Yes	1	Yes	21	No
NAME AND ADDRESS OF SURFACE OWN	ER (OR LESSEE, IF S	STATE OR FEDERAL LAN	ND)				· ·
Mrs. Everna M. F	aircloth	108 North I	Michigan Av	enue	Roswell	. New	Mexico
LIST NAMES AND ADDRESSES OF ALL	OPERATORS WITHIN	ONE-HALF () MILE OF	THIS INJECTION WE	L			
Sam G. Dunn Oi	l Operation	80×309	5_ Lubboc	k, Tex	kas 79410) •	
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HAVE COPIES OF THIS APPLICATION BY SENT TO EACH OF THE FOLLOWING?	EEN SURFACE OW!	VER .	FACH OPERAT	OR WITHIN	ONE-HALF MILE	THE NEW	MEXICO STATE ENGINEER
0	Ye	s		Yes	·	! · ·	Yes
ARE THE FOLLOWING ITEMS ATTACHED THIS APPLICATION (SEE RULE 701-B)	PLAT OF ARE	A	ELECTRICAL	LOG		DIAGRAMN	MATIC SKETCH OF WELL
	Ye	S	<u> </u>	Yes		! \	Yes
I hereby ce	ertify that the int	formation above is	true and complete	DOCK	of my knows	edge and	belief.
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(Signature)		ノ	(Title)			7	(Date)

NOTE: Should waivers from the State Engineer, the surface owher, and all operators within one-half mile of the proposed injection well.

not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days
from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing,
if the applicant so requests. SEE RULE 701.

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Sam G. Dunn Oil Operations. Salf Waler Disposal Well . No. 1-C Faircloth 330 Fr. SL; 2310 fr. W.L. Sec. 32, T-7-5; R-27-E Depth Chaves County, New Mexico Injection thru 2" tubing Elev. 4012 gr. 12/4 surface hole Comented Wiou sacks - Circulated 100 848 surface casing set@137' 7/8 hole 200 11/8" hole 1700 1300 23/8 to 51/2" packer at Approx 1890' Approx. 1900 to 1920 of 2" plastic lined tubing 1200

Perforated casing 1910-30 \$1934-50'

T.D.776 hole 19751

2000

Sie" csg. sel @1966' P.B. 1956' Cemented w/wasacks

Case 4144

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

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

	COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:
	CASE No. 4144
AMI	Order No. R-3787
	Order No. R-3787
	FOR SALT WATER DISPOSAL, CHAVES COUNTY,
	NEW MEXICO.
	ORDER OF THE COMMISSION
	BY THE COMMISSION:
	This cause came on for hearing at 9 a.m. on <u>June 25</u> , 1969 at Santa Fe, New Mexico, before Examiner <u>Elvis A. Utz</u>
	NOW, on this day of June, 1969, the Commission, 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, Sam G. Dunn Oil Operations
•	is the owner and operator of theE. Faircloth "C" Well No. 1,
	located in Unit N of Section 32, Township 7 South, Range
₹	27 East, NMPM, Acme-San Andres Pool Chaves
÷	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 1910 feet to 1950 feet.

(4) That the injection should be accomplished through

-inch plastic-lined tubing installed in a packer sec at

approximately 1890 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, Sam G. Dunn Oil Operations
is hereby authorized to utilize its _E. Faircloth "C" Well No. 1,
located in Unit N of Section 32, Township 7 South, Range
27 East , NMPM, Acme-San Andres Pool , Chaves
County, New Mexico, to dispose of produced salt water into the
San Andres formation, injection to be accomplished through
2 -inch tubing installed in a packer set at approximately
1890 feet, with injection into the perforated interval
from approximately 1910 feet to 1950 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 4145: Application of TENNECO FOR AN EXCEPTION TO ORDER R-3221, AS AMENDED, LEA & EDDY COUNTIES.