CASE AGOS: Application of CHASTAL STATES FOR SALT WATER PERSONAL, LEA COUNTY, NEW MERICO,

-ase Number

Application Transcripts.

Small Exhibits

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1120 SIMMS BLDG. . P. O. BOX 1092 . PHONE 245-4491 . ALBUQUERBUE, NEW

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
December 19, 1368

IN THE MATTER OF:

Application of Coastal States Gas Producing Company for salt water disposal, Lea County, New Mexico Case No. 4000

BEFORE: DANIEL S. NUTTER

TRANSCRIPT OF HEARING



Page	1	

NEW MEXICO OIL CONSERVATION COMMISSION

	EXAMINER	HEARING		
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Hearing Date DECEMBER 19, 1968 TIME: 9 A.M.

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MR. NUTTER: The hearing will come to order, please. The first case this morning will be case 4,000.

MR. HATCH: Application of Coastal States Gas

Producing Company for salt water disposal, Lea County, New
Mexico.

MR. EATON: Paul Eaton, of the firm of Hinkle, Bondurant and Christy, P.O.Box 10, Roswell, New Mexico, representing the applicant; we have one witness.

(Witness sworn.)

(Whereupen, Applicant's Exhibits 1 through 5 marked for identification)

* * * * * * * * * * *

JACK McGRAW, called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. EATON:

- Q Please state your name, residence, occupation and employer.
- A My name is Jack McGraw. I work for Coastal States
 Gas Producing Company as Division Petroleum Engineer, in
 Midland, Texas.
- Q Are you familiar with the application of Coastal States in this case?
 - A Yes, I am,

- Are you familiar with the property, and the proposed injection well involved in this case?
 - A Yes, sir.
- Q Have you previously testified before the New Mexico Oil Conservation Commission?
 - A Yes, sir.
- Q lave your qualifications been previously accepted by the Commission?
 - A Yes, they have.
- MR. EATON: Are the witness's qualifications acceptable?

MR. NUTTER: They are.

- Q (By Mr. Eaton) What does Coastal States seek by this application?
- A Coastal States is seeking permission to inject produced salt water into the Delaware Formation in our Conoco-Federal Well No. 2 which is located in the northwest quarter of the northeast quarter of Section 15, Township 26 South, Range 33 East.
- Q Mr. McGraw, I refer to what has been marked as Applicant's Exhibit No. 1 and ask you to state what it reflects.
- A Exhibit No. 1 is a Xerox copy of a section of the County map, which shows the Salado Draw Field Area. This

Field is located in Section 10 and Section 15. There's only six wells in the field producing at this time. Coastal States has four wells, excuse me, Coastal States has four wells at this time, including the one that we intend to use as a disposal well. Continental Oil Company, then, has four wells that are producing at this time. All other wells have been plugged and abandoned.

- Q What formations are those wells producing from?
- A They're all producing from the Delaware Sand, at approximately 5000 feet.
- Q Would you please give the history of the proposed injection well?
- A Yes. This well was drilled in 1962 and completed producing 30 barrels of oil and 12 barrels of water per day, and it has produced 17,034 barrels of oil to 11-1-'68. It is now producing only 5 barrels of oil and 19 barrels of water per day, and is at or near the economic limit. It will cost us less to sacrifice this five barrels of oil than to truck oil out of the, or dispose of this water by any other means.
- Q Mr. McGraw, I refer you to what has been marked as Applicant's Exhibit No. 2 and ask you to state what that reflects?
- A Exhibit No. 2 is a porosity log on the proposed disposal well. It shows the Delaware Sand in this well

begins at 5000 feet and extends for the remainder of the hole that is drilled, about 5300 feet. The pay zone in this well is at 5050 to 5055. This Delaware Sand in this area, oil productive portion of it, is in the very top of the main porosity zone. We intend to inject water back into this zone and feel that we might actually receive some benefit from doing this, since there has been at least one successful water-flood in the Delaware Sand in the last two years.

Q Now, Mr. McGraw, I refer you to what has been marked as Exhibit No. 3 and ask you to state what that reflects?

A Exhibit No. 3 is a diagrammatic sketch of the method we plan to use in equipping this well for water injection.

This shows that we will run a plastic-coated tubing string with a packer, set below the calculated cement top; we will inject through tubing with a packer set and we will place a non-corrosive fluid in the annular space between tubing and casing.

- Q This exhibit reflects that the tubing will be plasticlined?
 - A Yes, that is true.
- Q What kind of fluid will be injected, and what is the source of that fluid?
 - A The fluid source is the produced water in the field,

just our produced water at this time. Possibly later it might include what little Continental has, but it is produced salt water, very saline, has a chloride content of 134,000 parts per million.

- Q Do you have a water analysis?
- A Yes, that is snown as Exhibit 4.
- Q What volume of salt water do you anticipate will be injected?
 - A Oh, 30 to 50 barrels per day.
 - Q Will this water be injected under pressure?
- A No, sir, we feel that that small volume will go in under vacuum conditions.
- Q Now, I believe you stated that the annulus will be filled with some inert fluid?
 - A Yes.
 - Q Will a pressure gauge be attached to the annulus?
 - A Yes, it will.
- Q In your opinion, will injection of water in the interval from 5051 to 5055 be detrimental to any existing oil production in the area?
- A No, I don't think it would be detrimental, I think it might be helpful.
 - Q In your opinion, is the well cased and cemented in

such fashion that there will be no danger to any oil or gas or fresh water reservoirs encountered by the well?

A Yes.

Q Have you advised Continental Oil of this proposed injection?

A Yes, and Exhibit 5 is a copy of the letter that we received from them in which they suggested that this would be acceptable to them if we converted this well to water injection.

Q Have these Exhibits 1 through 3 been prepared by you or under your supervision?

A Yes, sir.

Q In your opinion will approval of the subject application prevent waste and protect correlative rights?

A Yes,

MR. EATON: Mr. Examiner, we move the admission of Exhibits 1 through 5.

MR. NUTTER: Coastal States' Exhibits 1 through 5 will be admitted in evidence.

(Whereupon, Applicant's Exhibits 1 through 5 offered and admitted in evidence.)

MR. EATON: I have no further questions of this witness.

MR. NUTTER: Are there any questions of Mr. McGraw?

CROSS EXAMINATION

BY MR. NUTTER:

- Q Mr. McGraw, now, as I understand your plat here, the well that's circled is the one that would be placed on injection?
 - A Yes, sir.
- Q You have a producing well directly to the west, is that correct?
 - A This is true.
 - Q And two Continental wells to the north?
 - A Yes, sir.
 - Q And two more Coastal States Wells?
 - A Yes, sir.
 - Q And Conoco has a well, this Goadeke No. 2 --
 - A Yes, sir.
 - Q -- up in Section 10 and also the No. 3?
 - A Yes, sir, that is true.
- Q In their letter here to you, they stated that they weren't interested in putting No. 2 Goadeke on water injection. Had you proposed to them that a flood be instituted in the pool and that more than one well be placed on injection or what?
 - A No, sir, we had suggested to them that we buy their

No. 2 well and use that well and they decided they would rather keep it.

Q At this time, they're not going to join your disposal system as stated in their letter, they will truck their water?

A That is true.

Q But later, if they start producing more, your well would be made available to them?

A Yes, it would be, and I feel like this would be the situation because I can't see how they can continue to truck it away and they don't have very much anyway. We could get rid of it very easily.

MR. NUTTER: Are there any other questions of Mr. McGraw? He may be excused.

(Witness excused.)

MR. NUTTER: Do you have anything further, Mr. Eaton?

MR. EATON: No, sir, Mr. Nutter.

MR. NUTTER: Does anyone have anything they wish to offer in Case 4000? We will take the case under advisement.

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Cross Examination by Mr. Nutter	8

EXHIBITS	MARKED	ADMITTED
Applicant's 1 through 5	2	7

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

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

WITNESS my hand this 19th day of December, 1968.

ADA DEARNLEY

i do hereby cortify that the foregoing is a complete research of the productions in the Eranimer hearing of these for 1965, beard by se on 12/19 1965.

New Merico Oil Conservation Commission

GOVERNOR DAVID F. CARGO CHAIRMAN

State of New Mexico

Bil Conservation Commission

LAND COMMISSIONER GUYTON B. HAYS MEMBER



P. O. BOX 2000

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

December 23, 1968

Mr. Paul Eaton Minkle, Bondurant & Christy Attorneys at Law Post Office Box 10 Boswell, New Mexico 88201 Re: Case No. 4000
Order No. R-3638
Applicant:

Coastal States Gas Producing

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

Carbon copy of order also sent to:

Hobbs OCC______

Artesia OCC_____

Aztec OCC____
Other____ State Engineer Office

Mr. Harold Berends - Bureau of Land Management

DEFORE THE OIL COMSERVATION CONGISSION OF THE STATE OF HEW MEXICO

IN THE NATTER OF THE HEARING CALLED BY THE OIL COMSERVATION COUNTSSION OF NEW MEXICO FOR THE PURPOSE OF COMSIDERING:

> CASE No. 4000 Order No. R-3638

APPLICATION OF COASTAL STATES GAS PRODUCING COMPANY FOR SALT WATER DISPOSAL, LEA COUNTY, MEN MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on December 19, 1968 at Santa Fe, New Mexico, before Examiner Daniel S. Mutter.

MOW, on this 23rd 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,

PIEDS:

- (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, Coastal States Gas Producing Company is the owner and operator of the Conoco-Federal Well No. 2, located in Unit B of Section 15, Township 26 South, Range 33 East, MPH, Salado Draw-Delaware Pool, Lea County, New Mexico.
- (3) That the applicant proposes to utilize said well to dispose of produced salt water into the Delaware formation, with injection into the perforated interval from approximately 5051 feet to 5055 feet:
- (4) That the injection should be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 5000 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should

-2-CASE No. 4000 Order No. R-3638

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 correllative rights.

IT IS TERREPORE OFDERED:

(1) That the applicant, Coastal States Gas Producing Company is hereby authorized to utilize its Concco-Federal Well No. 2, located in Unit B of Section 15, Township 26 South, Range 33 Rast, MMPM, Salado Draw-Delaware Pool, Lea County, New Mexico, to dispose of produced salt water into the Delaware formation, injection to be accomplished through 2 3/6-inch tubing installed in a packer set at approximately 5000 feet, with injection into the perforated interval from approximately 5051 feet to 5055 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, twing 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.

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

STATE OF NEW MEXICO
OID COMSERVATION COMMISSION

DAVID & CARGO, Chairman

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

DOCKET: EXAMINER HEARING - THURSDAY - DECEMBER 19, 1968

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 4000:

Application of Coastal States Gas Producing 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 Delaware Sand formation in the perforated interval from 5051 feet to 5055 feet in its Conoco-Federal Well No. 2 located in Unit B of Section 15, Township 26 South, Range 33 East, Salado Draw-Delaware Pool, Lea County, New Mexico.

CASE 4001:

Application of Tamarack Petroleum Company, 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 Queen formation in the perforated interval from approximately 4862 feet to 4892 feet in its Union State Well No. 2, located in Unit K of Section 15, Township 19 South, Range 35 East, Pearl-Queen Pool, Lea County, New Mexico.

CASE 4002:

Application of Marathon Oil Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Dallas Ranch Unit Area comprising 8,929 acres, more or less, of State lands in Township 9 South, Ranges 26 and 27 East, Chaves County, New Mexico.

CASE 3968: (Continued and Readvertised)

Application of Texaco, 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 Devonian formation in the open-hole interval from approximately 12,400 feet to 12,550 feet in its U. D. Sawyer Well No. 4 located in Unit O of Section 34, Township 9 South, Range 36 East, Crossroads-Devonian Pool, Lea County, New Mexico.

December 19, 1968, Examiner Hearing Docket No. 40-68

CASE 4003:

Application of Morris R. Antweil for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formation in the perforated and open-hole interval from 3049 feet to 3159 feet in his Martha Forrest Well No. 1 located in Unit L of Section 24, Township 25 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.

CASE 4004:

Application of Atlantic-Richfield Company for the amendment of Order No. R-3507, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3507 to permit the disposal of produced salt water into the Lower Queen formation in the interval from 5160 feet to 5380 feet, as well as the previously authorized interval from 4820 feet to 4830 feet in the Upper Queen formation, in its State BE Well No. 1, located in Unit D of Section 13, Township 19 South, Range 34 East, Quail-Queen Pool, Lea County, New Mexico.

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Coostal States Gas Co. Exhibit # 3 Conoco Federal No. 2. Lea County, N.M. 134, 500 PPM Charide 339-85/8 Control 200 socks -gulat fleid 23/8 Towns, plostic BEFORE EXAMINER NUTTER OIL CONSERVATION COMMISSION APLA EXHIBIT NO. 3 CASE NO.___ Johnson 101-5 Packer 5000' Arts. 5051-5055 5302'- 9% Cont 4565'



WELL DIVISION OF THE : HEMICAL COMPANY

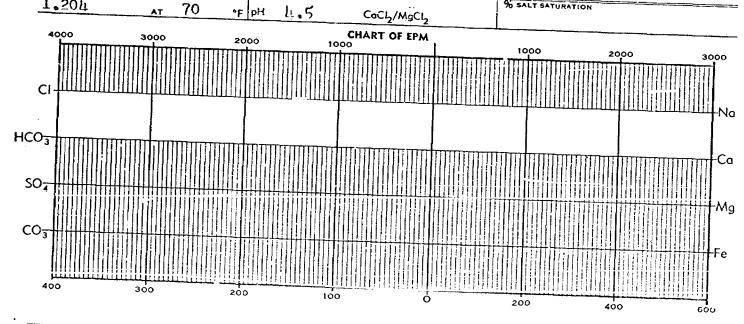
FIELD LABORATORY REPORT WATER ANALYSIS

TO: Coastal States Gas Producing Co. Box 385 Abilene, Texas

TATE SAMPLE SUBMITTED

Hobbs, N.M. 4790 WELL Coestal States Conoco #2 Salodo Wavy LOCATION Lea TATE

1-13-64 SAMPLE SOURCE Joe Howard W/A PPM **EPM** PPM **EPM** CALCIUM 22430 1120 134000 CHLORIDE 3780 3100 MAGNESIUM 248 Nil SULFATE 55600 SODIUM 2413 100 BICARBONATE 7 IRON CAPBONATE HYDROGEN SULFIDE HYDROXIDE 1.204



REMARKS:

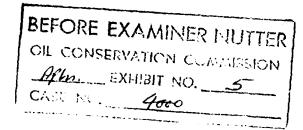
BEFORE EXAMILIER NUTTER OIL CONSERVATION COMMISSION RPIN_EXHIBIT NO. 4

PATPLASCO 87

C.M. Rosson 1-11-65

Exhibid# 5





CONTINENTAL OIL COMPANY

P. O. Box 460

HOBBS, NEW MEXICO 88240

PRODUCTION DEPARTMENT
HORBS DIVISION
L. P. THOMPSON
Division Manager
G. C. JAMIESON
Assistant Division Manager

November 7, 1968

1001 North Turner Telephone 393-4141

Mr. Clarence Murray, Jr.
Coastal States Gas Producing Company
Wilco Building
Midland, Texas 79701

Dear Mr. Murray:

In reply to your letter dated November 1, 1968, concerning salt water disposal in the Salado Draw Delaware Pool, Continental is planning to truck produced water from the Goedeke Lease to the El Mar Salt Water Disposal System.

Since the Goedeke No. 2 is still a commercial oil well, Continental is not interested in allowing it to be converted to an injection well. However, as an offset operator, Continental has no objection to converting the other well mentioned, the Coastal States-operated Continental Federal No. 2, to an injection well.

If any further information is requested, please contact Mr. J. Roger Porter in the Hobbs Division Office.

Very truly yours,

GCJ-BF

CSGP CQ.
Drlg. & Prod Dope.
Midland Div.
NOV 12 1988
To In Out
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PIONEERING IN PETROLEUM PROGRESS SINCE 187

COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION
WILCO BUILDING
MIDLAND, TEXAS
79701

November 27, 1968

Clis 4000

3

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

Attention: Mr. A. L. Porter, Jr. Secretary-Director

Re: Proposed Salt Water Disposal Well

Coastal States Gas Producing Company

Conoco Federal No. 2 Salado Draw Field Lea County, New Mexico

Dear Sir:

Coastal States Gas Producing Company respectfully requests that a hearing be scheduled to approve the use of or Conoco Federal No. 2, located in the NW/4 of the NE/4 of Section 15, T-26-5, R-33-E, Lea County as a salt water disposal well.

The well is currently producing at an uneconomic rate from the Delaware sand. We plan to inject produced salt water from the other Delaware wells on our leases. Injection will be in the same zone that produces oil.

Attached is a plat showing the location of the subject well, a water analysis, a sketch of the proposed completion and an electric log.

Mck R. McGraw

Division Petroleum Engineer

JRMcG:CM:10 Attachments

Co: Continental Oil Corp., Box 460, Hobbs, New Mexico 88240
Humble Oil Co., Box 2100, Hobbs, New Mexico 88240
Malcolm R. Malera, Box 94, Orla, Texas 79770
United States Dept. of the Interior,
Geological Survey
P. O. Box 1157
Hobbs, New Mexico 88240

DOCKET WATER

Date 12-5-68

PERTINENT INFORMATION

- 1. Disposal zone Delaware Sand 5051-5055.
- Kind of fluid to be disposed of produced salt water from the Salado Draw Field. Analysis is attached.
- 3. Anticipated volume 30-50 BPD.
- 4. Anticipated pressure vacuum.

Form C-108 Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

Care 4000

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

SPERATOR			ADDRESS					
Coastal States	Gas Produci	Ing Company	P. O.	Box 23	5, Midland	i, Tex		
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ARE THE FOLLOWING ITEMS ATTACHED THIS APPLICATION (SEE RULE 701-8)	TO PLAT OF ARE		ELECTRICAL L		······································	DIACRAMA	ATIC SKETCH OF WELL	
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		Div.	Prod. Supt.	-		Novem	ber 27, 1968	

	Div. Prod. Supt.	November 27, 1968
(Signature)	$(Tit!_{\sim})$	(Date)

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.

Form C-108 Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

Case 4000

November 20ate, 1968

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

ENATOR		 ~	ADDRESS		
ATT HA Soustal States	Ges Produc	ing Company	P. O. Box	c 235, Midler	nd Texas 79701
ISE NAMED DOWN - COLUMN		WEET HOS	PIELO		COUNTY
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	Б		000	WOLCH-	
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T ALL SUCH PERFORMED INTERVAL	S AND SACKS OF C	THENT USED LA SEAL	OFF OR SQUEEZE EACH		No.
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VE COPIES OF THIS APPLICATION BE NT TO EACH OF THE FOLLOWING? E THE FOLLOWING ITEMS ATTACHED 19 APPLICATION (SEE RULE 701-8)	1		ELECTRICAL LOGO		THE NEW MEXICO STATE ENGINEER

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Div. Prod. Supt.

Form C-108
Revised 14-65
Case 4000

NEW MEXICO OIL CONSERVATION COMMISSION

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

Coasti EASE HAME	1 States Ga	s Produc	ing Company	P.	O. Box	235, Hidle	nd, Tenes	79701 TCOUNTY
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Malcolm R	. Madera, i	Box 94,	Oria, Texas	79770				
	al Uii Compi		O. Box 460;	Hobbs, N		0		
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	Div. Prod. Supt.	November 27, 1968
(Signature)	(Title)	(Date)

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Form C-108 Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

Haze 4000

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

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Conoco Federal		WELL KO.	PIELO	o Draw Delaw	+ ··	LOG
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	Div. Prod. Supt.	Howenher 27, 1958
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Constal States this Co. Conoco Federal No. 2 Lea County, N.M.

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DEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

AMA

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

CASE No. 4000

Order No. P. 3638

APPLICATION OF COASTAL STATES GAS PRODUCING COMPANY FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO.

S. John

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on December 19, 1968 at Santa Fe, New Mexico, before Examiner Daniel S. Nutter

NOW, on this <u>day of December</u>, 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, Coastal States Gas Producing Company, is the owner and operator of the Conoco-Federal Well No. 2

 located in Unit B of Section 15, Township 26 South, Range

 33 East, NMPM, Salado Draw-Delaware Pool Lea

 County, New Mexico.
- (4) That the injection should be accomplished through 23/8-inch plastic-lined tubing installed in a packer set at

approximately 5000 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, <u>Coastal States Gas Producing Company</u>
is hereby authorized to utilize its Conoco-Federal Well No. 2
located in Unit B of Section 15, Township 26 South, Range
33 East , NMPM, Salado Draw-Delaware Pool Lea
County, New Mexico, to dispose of produced salt water into the
Delaware Send of formation, injection to be accomplished through
238-inch tubing installed in a packer set at approximately
5600 feet, with injection into the perforated interval
from approximately 5051 feet to 5055 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 tereinabove designated.