

CASE 4231: Application of WESTERN
STATES PRODUCING COMPANY FOR SALT
WATER DISPOSAL, ROOSEVELT COUNTY.

Case Number
4231

Application

Transcripts

Small Exhibits

ETC.



dearnley-meier

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

1120 SIMMAS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 22, 1969

EXAMINER HEARING

-----)
IN THE MATTER OF:)

Application of Western States)
Producing Company for salt water)
disposal, Roosevelt County, New)
Mexico.)
-----)

Case No. 4231

BEFORE: Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

MR. NUTTER: Call Case 4231.

MR. HATCH: Case 4231. Application of Western States Producing Company for salt water disposal, Roosevelt County, New Mexico.

MR. CHRISTY: Sam Christy, Hinkle, Bondurant and Christy, Roswell, New Mexico, for the applicant Western States Producing Company.

We have one witness, Mr. Examiner.

(Whereupon, Applicant's Exhibits 1 through 8 were marked for identification.)

(Witness sworn.)

WILLIAM E. HENDON, JR.

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

DIRECT EXAMINATION

BY MR. CHRISTY:

Q Would you please state your name and address, by whom you are employed and in what capacity?

A My name is William E. Hendon, Jr. I am employed by Western States Producing Company as a production engineer. I live in Midland, Texas.

Q Mr. Hendon, have you previously testified before this regulatory body as a petroleum engineer and had

your qualifications accepted?

A Yes, sir, I have.

Q Would you briefly tell us what is sought by this application?

A Western States seeks to convert a producing oil well into a produced water disposal well.

Q What is the location of the well?

A The well is located in the Chaveroo Field in Section 30, Township 7 South, Range 33 East, Unit "L".

Q Just for identification purposes, let me hand you what's been marked as Applicant's Exhibit 1, which I believe is a map of the area and if you will, just identify it for us.

A The subject well is the one with the circle in Section 30. Mr. Examiner, this is outlined in yellow; it might be a little easier to follow.

On this lease, there are four wells and the lease to the north has two wells. We also have leases in Section 35, Section 26 which are to the west and slightly south.

We have two wells which are to the east and south in Section 4, Roosevelt County.

Q Do you have a diagram of the well itself that you propose to inject in? I refer you to Applicant's Exhibit 2.

A Yes, sir. This is a diagram of the subject well which has four and a half inch casing set at 4406; that's plugged back TD; perforated interval from 4174 to 4388, which is the San Andres Formation.

We propose to set a Baker Model D Tension Packer at 4150 with two and three-eighths tubing on the surface, inject via the tubing.

Q Is that a retrievable or permanent packer?

A That is a retrievable packer.

Q Anything else on Exhibit 2 that I missed?

A No, sir.

Q Now, going back to Exhibit 1, I don't believe we covered this point, what water from what wells are you proposing to inject in the salt water disposal well?

A We propose to inject on this lease, as well as the two wells to the north, the three wells in Section 35, which are to the southwest and the two wells to the southeast.

Q Approximately what quantity of the water are we talking about?

A In the neighborhood of 150 to 200 barrels per day.

Q Do you know of any other salt water disposal wells in this area along the line sought by this application?

A Yes, sir. Cayman Corporation last spring received permission to inject into one of their wells just south of our lease in Section 31.

Q Have you contacted offset operators advising them of what you are seeking in this application?

A Yes, sir, we have and we have letters approving of the application.

Q Let me refer you to Applicant's Exhibits 4, 5, 6 and 7 and ask you if those are true copies of the consents from Monitor Petroleum Corporation, Champlin Petroleum Company, Humble Oil and Refining Company, Cayman Corporation and the surface regulatory body, the State Game Commission, are those correct?

A They are.

Q So, my question should have included not only offset operators but also the regulatory body having jurisdiction over the surface, being the State Game Commission?

A That is correct. They administer the surface.

Q Now, I believe as a matter of courtesy, you also sent a copy to the State Engineer, did you not, of this application, what you sought?

A We did.

Q Did you receive back what has been marked as Applicant's Exhibit 8 from the State Engineers office with respect to the application?

A Yes, sir, we did, informing us that it is no longer necessary to send the State Engineer an application.

Q Do you have an opinion as to whether or not the injection of the salt water as you propose in the application might affect any fresh water beds in the area, if there be any?

A Unfortunately, there are no usable fresh water zones in the area. Everyone wishes there were.

Q Is there anything else that I have not asked you in connection with application which you feel would be of interest to the commission in consideration of the application?

A No, sir.

MR. CHRISTY: That's all the testimony from this witness, Mr. Examiner.

CROSS EXAMINATIONBY MR. NUTTER:

Q Mr. Hendon, referring to your Exhibit 2 --
I believe it is -- which is the schematic diagram --

A Yes, sir.

Q -- what size is this surface pipe, please?

A I believe that is eight and five-eighths --
no, sir, it is seven inch. It is set at a depth of
1820 feet, cemented to the surface.

Q At 1820 with cement circulated?

A Yes, sir.

Q Then, the cement on the four and a half comes
up to 3558, is that correct?

A That is correct, with 150 sacks.

Q Now, what about this casing tubing annulus. How
will that be treated?

A We have it treated with water behind the packer.

Q The annulus would be loaded with treated water?

A Right.

Q Will that be equipped with a pressure guage
at the surface to indicate any leak in the packer or
tubing?

A Yes, sir.

Q Now, you had these waivers from these various offset operators and one of them was from Monitor?

A Monitor Resources.

Q What lease do they operate here?

A Mr. Examiner, they operate the lease shown as Taylor-Pruitt to the southwest in Section 36.

Q The lease to the immediate west is Champlin. You have a waiver from them. Humble has the lease to the north?

A That's correct.

Q You have a waiver from them. Champlin again on the east and Cayman Corporation on the south.

You did have a waiver from Cayman, didn't you?

A Yes, sir.

Q Those were identified as what exhibits?

MR. CHRISTY: Three through seven, inclusive. Let me give you the exact ones. Monitor is Exhibit 3. Champlin is Exhibit 4. Humble is Exhibit 5. Cayman is Exhibit 6 and the State Game Commission is Exhibit 7.

Q (By Mr. Nutter) Mr. Hendon, is it your plan to have plastic lined or cement lined tubing in this well?

A Most likely plastic lined.

MR. NUTTER: Are there any further questions of the witness? He may be excused.

MR. CHRISTY: At this time, we would like to offer in evidence Applicant's Exhibits 1 through 8, inclusive.

MR. NUTTER: Applicant's Exhibits 1 through 8 will be entered in evidence.

Do you have anything further, Mr. Christy?

MR. CHRISTY: That is all from the applicants.

MR. NUTTER: Does anyone have anything they wish to offer in Case 4231?

We will take the case under advisement.

I N D E X

<u>WITNESS</u>	<u>PAGE</u>
WILLIAM E. HENDON, JR.	
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Cross Examination by Mr. Nutter	7

<u>EXHIBIT</u>	<u>MARKED</u>	<u>OFFERED AND ADMITTED</u>
Applicant's 1 through 8	2	9

STATE OF NEW MEXICO)
)
 COUNTY OF BERNALILLO)

I, GLENDA BURKS, 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.

Glenda Burks
 Notary Public

My Commission Expires:

March 12, 1973

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1231, heard by me on 10/22, 1969.
Glenda Burks, Examiner
 New Mexico Oil Conservation Commission



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

P. O. BOX 2086 - SANTA FE

87501

GOVERNOR
DAVID F. CARGO
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

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

October 29, 1969

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

Re: Case No. 4231
Order No. R-3866
Applicant:
Western States Producing Co.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC x

Artesia OCC

Aztec OCC

Other State Engineer Office

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE No. 4231
Order No. R-3866

APPLICATION OF WESTERN STATES PRODUCING
COMPANY 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 October 22, 1969,
at Santa Fe, New Mexico, before Examiner Daniel S. Mutter.

NOW, on this 29th day of October, 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, Western States Producing Company,
is the owner and operator of the State "3C" Well No. 3, located
in Unit L of Section 30, Township 7 South, Range 33 East, NMPM,
Chaveroo-San Andres Pool, Roosevelt County, New Mexico.

(3) That the applicant proposes to utilize said well to
inject produced salt water into the San Andres formation, with
injection into the perforated interval from approximately
4174 feet to 4388 feet.

(4) That the subject well should be classified as a pressure
maintenance project injection well.

(5) That the subject pressure maintenance project is in the
interest of conservation and should result in greater ultimate
recovery of oil, thereby preventing waste.

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CASE No. 4231

Order No. R-3866

(6) That the injection should be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 4150 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

(7) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Western States Producing Company, is hereby authorized to institute a pressure maintenance project in the Chaveroo-San Andres Pool, Roosevelt County, New Mexico, by the injection of water into the San Andres formation through its State "30" Well No. 3, located in Unit L of Section 30, Township 7 South, Range 33 East, NMPM, Roosevelt County, New Mexico.

(2) That said injection should be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 4150 feet, and into the perforated interval from approximately 4174 feet to 4388 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 in order to determine leakage in the tubing, casing, or packer.

(3) That the subject pressure maintenance project is hereby designated the Western States Chaveroo Pressure Maintenance Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(4) That monthly progress reports of the pressure maintenance project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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CASE No. 4231


Order No. R-3866

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


ALEX J. ARMIJO, Member


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



esr/

DOCKET NO. 29-69

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 22, 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 4213: (Continued from the September 10, 1969, Examiner Hearing)

Application of Texo Oil Company for pool redelineation, creation of a new gas pool, an unorthodox gas well location, and non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the redelineation of the vertical limits of the South Corbin-Queen Pool to permit the creation of a new basal Penrose gas pool for its Buffalo Unit Well No. 11 located at an unorthodox gas well location 2310 feet from the South line and 330 feet from the West line of Section 35, Township 18 South, Range 33 East, Lea County, New Mexico. Applicant further seeks approval of an 80-acre non-standard gas proration unit comprising the N/2 SW/4 of said Section 35, to be dedicated to the above-described well.

CASE 4230: Application of Dalport Oil Corporation 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 on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico. Said exception would be for applicant's AMCO Federal Well No. 2 located in the SW/4 NW/4 of Section 31, Township 14 South, Range 30 East, Double L Field, Chaves County, New Mexico. Applicant seeks authority to dispose of salt water produced by said well in an unlined surface pit located in the vicinity of said well.

CASE 4231: Application of Western States Producing Company 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 4174 feet to 4388 feet in its State "30" Well No. 3, located in Unit I of Section 30, Township 7 South, Range 33 East, Chavesco-San Andres Pool, Roosevelt County, New Mexico.

- CASE 4232: Application of Pan American Petroleum Corporation for a pressure maintenance project, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project on its Baskett "D" Lease by the injection of water into the San Andres formation through its Baskett "D" Well No. 4 located in Unit I of Section 11, Township 8 South, Range 30 East, Cato-San Andres Pool, Chaves County, New Mexico.
- CASE 4233: Application of Aztec Oil & Gas 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 Yates-Seven Rivers formations in the open-hole interval from 3929 feet to 3990 feet in its State SR Well No. 1 located in Unit G of Section 16, Township 24 South, Range 36 East, Jalmat Field, Lea County, New Mexico.
- CASE 4234: Application of Gulf Oil Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the upper Morrow and lower Morrow formations underlying Section 12, Township 23 South, Range 24 East, Eddy County, New Mexico. Said acreage to be dedicated to a well to be drilled at a standard location 1650 feet from the North and East lines of said Section 12, and within one mile of the Rock Tank-Upper Morrow and Rock Tank-Lower Morrow Gas Pools. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.
- CASE 4235: Application of Continental Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project on its Jack A-29 lease by the injection of water into the Seven Rivers-Queen formations through its Jack A-29 Wells Nos. 2 and 4 located, respectively, in Units 1 and 0 of Section 29, Township 24 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico.

CASE 4236: Application of Continental Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its Anderson Ranch Unit Area by the injection of water into the Wolfcamp formation through its Anderson Ranch Unit Wells Nos. 4 and 5, located, respectively, in Units B and J of Section 11, Township 16 South, Range 32 East, Anderson Ranch-Wolfcamp Pool, Lea County, New Mexico.

CASE 4237: Application of Continental Oil Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle production from the Monument-Tubb and Weir-Blinebry Pools in the well-bores of the following four wells located in Township 20 South, Range 37 East, Lea County, New Mexico:

Britt "B" Well No. 18 - Unit N - Section 10
Britt "B" Well No. 19 - Unit B - Section 15
Britt "B" Well No. 20 - Unit L - Section 10
Britt "B" Well No. 21 - Unit J - Section 10

CASE 4238: Application of McCasland Disposal System for the amendment of Order No. R-3781, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3781, to permit the disposal of produced salt water in the Yates formation, in addition to the previously authorized Seven Rivers formation, in its Getty Oil Company J. H. Day Well No. 2 located in Unit D of Section 6, Township 22 South, Range 36 East, Jalmat Pool, Lea County, New Mexico. Overall disposal interval would be from 3543 feet to 3939 feet.

CASE 4239: Application of Amini Oil Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Upper Pennsylvanian formation underlying the SE/4 of Section 8, Township 14 South, Range 34 East, Lea County, New Mexico. Said acreage to be dedicated to a well to be drilled at a standard location in said quarter section and within one mile of the Cerca-Upper Pennsylvanian Pool. Also to be considered will be the costs of drilling said

Case 4239 - Continued from Page 3 -

well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4240: Application of Pan American Petroleum Corporation for an exception to Order No. R-3221, as amended, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks exceptions 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. Said exceptions would be for applicant's Smernoff Federal Well No. 1 located in Unit B of Section 24 and LaRue Federal Well No. 1 located in Unit D of Section 25, both in Township 15 South, Range 29 East, Sulimar-Queen Pool, Chaves County, New Mexico. Applicant seeks authority to dispose of water produced by said wells in two unlined surface pits located in said Units B and D.

CASE 4241: Application of Pennzoil United, Inc., for a non-standard gas proration unit or the creation of a new gas pool, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration unit comprising the E/2 of Section 21, Township 24 South, Range 26 East, White City-Pennsylvanian Gas Pool, Eddy County, New Mexico, said unit to be dedicated to applicant's Allied Federal 21 Well No. 1 located at a standard location in Unit J of said Section 21. In the alternative, applicant seeks the deletion of said Section 21 from the White City-Pennsylvanian Gas Pool and the creation of a new Morrow gas pool for said Allied Federal 21 Well No. 1.

CASE 4242: Application of Pennzoil United, Inc., for a non-standard gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 104 C II, to permit the recompletion of its Mescalero Ridge Well No. 1 at a non-standard location 660 feet from the South and West lines of Section 20, Township 19 South, Range 34 East, and within one mile of the Quail Ridge-Morrow Gas Pool, Lea County, New Mexico.

October 22, 1969 - Examiner Hearing

Docket No. 29-69

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(Continued from the October 8, 1969, Examiner Hearing)

CASE 4223: Application of Resler and Sheldon for two waterflood projects, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to institute two waterflood projects by the injection of water into the Grayburg, and possibly other formations in the perforated interval from approximately 3555 feet to 3617 feet in their Kelly Well No. 3 and into the Queen, and possibly other formations in the perforated interval from approximately 3439 feet to 3689 feet in their Steeler Well No. 1, said wells being located, respectively, in Unit M of Section 16, and Unit I of Section 20, Township 23 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico. In the alternative, applicants seek authority to dispose of produced salt water in said wells in the intervals as described above.

WESTERN STATES PRODUCING COMPANY

900 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

SEP 25 1969

L. N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

September 16, 1969

Case 4-31

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Cayman Corporation
Wilco Building
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres Zone from 4174' to 4388' in the subject well. For your review, enclosed is a copy of application form C-108, and letter to the New Mexico Oil Conservation Commission.

If you, as offset operator, have no objection to this application, please execute two copies of this letter; forward one copy to the New Mexico Oil Conservation Commission, Santa Fe, New Mexico and return one copy to our office in Midland. Included for your convenience are pre addressed envelopes.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett
Don C. Bennett
Operations Manager

APPROVED:

CHAMPLIN PETROLEUM COMPANY
COMPANY

BY *Pete Hoff*

September 22, 1969
DATE

DCB/ljb
Encl.

WESTERN STATES PRODUCING COMPANY

900 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 23 1969

September 16, 1969

Case 4231

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Cayman Corporation
Wilco Building
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

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Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett
Don C. Bennett
Operations Manager

APPROVED:

Cayman Corp.
COMPANY

J. Woodruff
BY

9-22-69
DATE

DCB/ljb
Encl.

WESTERN STATES PRODUCING COMPANY

900 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 23 1969

September 16, 1969

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Case 4231
Cayman Corporation
Wilco Building
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres Zone from 4174' to 4388' in the subject well. For your review, enclosed is a copy of application form C-108, and letter to the New Mexico Oil Conservation Commission.

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Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett
Don C. Bennett
Operations Manager

APPROVED:

MONITOR PETROLEUM CORP.
COMPANY

BY

L. N. Dunnavant
September 22, 1969
DATE

ECB/ljb
Encl.

WESTERN STATES PRODUCING COMPANY
900 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 26 1969



September 16, 1969

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Cayman Corporation
Wilco Building
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

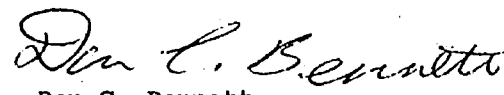
Gentlemen:

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Yours very truly,

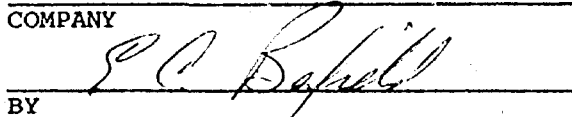
WESTERN STATES PRODUCING COMPANY


Don C. Bennett
Operations Manager

APPROVED:

HUMBLE OIL & REFINING COMPANY
COMPANY

BY


September 24, 1969
DATE

DCB/ljb
Encl.

Cmt. Circulated

Cmt. Top @ 3558'

2 3/8" E.U.E. Tbg.

Baker "AD" Tension PHR.
set @ 4150'

4174'

Perforations: 4174-4388
San Andres
Proposed Injection
Interval
4388'

4406' PBT

Proposed Disposal
Well Hookups
State "30" No. 3
Chaveroo (San Andres)
Roosevelt Cty., N.M.

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 4231

WESTERN STATES PRODUCING COMPANY

800 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 24 REC'D

September 16, 1969

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Cayman Corporation
Wilco Building
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres Zone from 4174' to 4388' in the subject well. For your review, enclosed is a copy of application form C-108, and letter to the New Mexico Oil Conservation Commission.

If you, as offset operator, have no objection to this application, please execute two copies of this letter; forward one copy to the New Mexico Oil Conservation Commission, Santa Fe, New Mexico and return one copy to our office in Midland. Included for your convenience are pre addressed envelopes.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett
Don C. Bennett
Operations Manager

APPROVED:

MONITOR PETROLEUM CORP.
COMPANY

BY *[Signature]*

September 22, 1969
DATE

DCB/ljb
Encl.

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 4231

WESTERN STATES PRODUCING COMPANY

800 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 24 1969

September 16, 1969

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Cayman Corporation
Wilco Building
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres Zone from 4174' to 4388' in the subject well. For your review, enclosed is a copy of application form C-108, and letter to the New Mexico Oil Conservation Commission.

If you, as offset operator, have no objection to this application, please execute two copies of this letter; forward one copy to the New Mexico Oil Conservation Commission, Santa Fe, New Mexico and return one copy to our office in Midland. Included for your convenience are pre addressed envelopes.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett
Don C. Bennett
Operations Manager

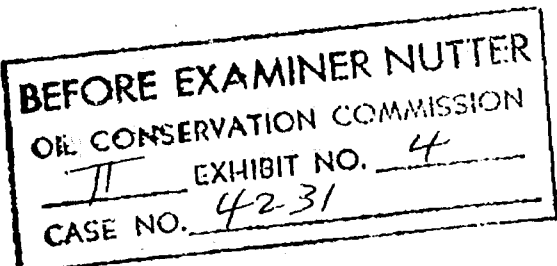
APPROVED:

CHAMPLIN PETROLEUM COMPANY
COMPANY

BY *Peter Hoffmann*

September 22, 1969
DATE

DCB/ljb
Encl.



WESTERN STATES PRODUCING COMPANY

800 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 20 REC'D

September 16, 1969

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Cayman Corporation
Wilco Building
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres Zone from 4174' to 4388' in the subject well. For your review, enclosed is a copy of application form C-108, and letter to the New Mexico Oil Conservation Commission.

If you, as offset operator, have no objection to this application, please execute two copies of this letter; forward one copy to the New Mexico Oil Conservation Commission, Santa Fe, New Mexico and return one copy to our office in Midland. Included for your convenience are pre addressed envelopes.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett
Don C. Bennett
Operations Manager

APPROVED:

HUMBLE OIL & REFINING COMPANY
COMPANY

BY *E. C. Bapill*

September 24, 1969
DATE

DCB/ljb
Encl.

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 5
CASE NO. 4231

WESTERN STATES PRODUCING COMPANY

900 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L. P. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 23 REC'D

September 16, 1969

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Cayman Corporation
Wilco Building
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres Zone from 4174' to 4388' in the subject well. For your review, enclosed is a copy of application form C-108, and letter to the New Mexico Oil Conservation Commission.

If you, as offset operator, have no objection to this application, please execute two copies of this letter; forward one copy to the New Mexico Oil Conservation Commission, Santa Fe, New Mexico and return one copy to our office in Midland. Included for your convenience are pre addressed envelopes.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett
Don C. Bennett
Operations Manager

APPROVED:

Cayman Corp.
COMPANY

W. H. Woodrich
BY

9-22-69
DATE

DCB/ljb
Encl.

BEFORE EXAMINER NUTTER	
OIL CONSERVATION COMMISSION	
TT	EXHIBIT NO. 6
CASE NO. 4231	

OCT 13 REC'D

September 18, 1969

State Game Commission
State Capitol
Santa Fe, New Mexico

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres zone from 4174 feet to 4388 feet in the subject well. For your review, enclosed is a copy of application form C 108 and letter to the New Mexico Oil Conservation Commission.

If you, as surface owner, have no objection to this application, please execute two copies of this letter; forward one copy to the New Mexico Oil Conservation Commission, Santa Fe, New Mexico and return one copy to our office in Midland, Texas.

Your earliest consideration of this matter will be appreciated.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett

DON C. BENNETT
Operations Manager

DCB:jan

Enclosures

APPROVED:

BY:

David A. Nelson

DATE:

10/2/69

BEFORE EXAMINER NUTTER	
OIL CONSERVATION COMMISSION	
EXHIBIT NO.	7
CASE NO.	4231



10/16
Jan OK 10-14-69
R.R.

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

October 2, 1969

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, NEW MEXICO 87501

Re: Well-State 30 No. 3
Chaveroo Field

Western States Producing Company
900 Building of the Southwest
Midland, Texas 79701

Attention: Don C. Bennett
Operations Manager

Dear Mr. Bennett:

Reference is made to your letter of September 18, 1969, concerning the use of the State 30 Well No. 3 for sub-surface disposal of produced water.

On February 14, 1968, the Oil Conservation Commission revised Rule 701 of their rules and regulations and it no longer requires the operator to file a copy of their application with the State Engineer. The Commission also revised form C-108 to conform with the amendments.

I must apologize for not replying to your letter sooner but I have been out of the office since September 12.

Very truly yours,

S. E. Reynolds
State Engineer

By *D. E. Gray*
D. E. Gray, Chief
Water Rights Division

DEG/sd

RECEIVED	FILED
10	8
4231	

WESTERN STATES PRODUCING COMPANY

900 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 22 1969

September 18, 1969

Case 4231

Oct 22 1969

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

RE: SALT WATER DISPOSAL APPLICATION
State "30" Well No. 3
Chaveroo San Andres Field
Roosevelt County, New Mexico

Gentlemen:

Western States Producing Company respectfully requests permission to convert the subject well to salt water disposal service, serving our producing wells in the Chaveroo San Andres Field, Roosevelt County, New Mexico.

Attached is form C 108 which exhibits all pertinent information concerning the proposed project and well information. Copies of waiver letters to off-set operators, surface owner and State Engineer are also attached as well as a well log indicating the proposed injection zone, an area plat indicating location of the subject well and leases to be served, and a diagrammatic sketch of the proposed well equipment.

Your earliest consideration of this matter will be appreciated.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett

DON C. BENNETT
Operations Manager

DCB:jan

Enclosures

DOCKET MAILED

Date 10-9-69

SEP 22 1969

Form C-108
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Western States Producing Company		ADDRESS 900 Bank of the Southwest Bldg.	
LEASE NAME State "30"	WELL NO. 3	FIELD Chaveroo (San Andres)	COUNTY Roosevelt
LOCATION UNIT LETTER <u>L</u> ; WELL IS LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE. SECTION <u>30</u> TOWNSHIP <u>7-S</u> RANGE <u>33-E</u> NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	7"	1820'	400	circ.	--
INTERMEDIATE					
LONG STRING	4-1/2"	4413'	150	3558	Cement eval. log
TUBING	2-3/8"	4150'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model "AD" Tension Packer		
NAME OF PROPOSED INJECTION FORMATION San Andres		TOP OF FORMATION 3458'		BOTTOM OF FORMATION 4433' T.D.	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES? perfs.		PROPOSED INTERVAL(S) OF INJECTION 4174' - 4388'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil production		HAS WELL EVER BEEN PERFORMED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH None					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 100'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA None	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 50	MINIMUM 50	MAXIMUM 150	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure	APPROX. PRESSURE (PSI) 200
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - yes			WATER TO BE DISPOSED OF yes		
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) State Game Commission of New Mexico, State Capitol, Santa Fe, New Mexico 87501			NATURAL WATER IN DISPOSAL ZONE yes		
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			ARE WATER ANALYSES ATTACHED? yes		
Champlin Petroleum Company P. O. Box 1797, Midland, Texas					
Cayman Corporation, Wilco Building, Midland, Texas 79701					
Humble Oil Company, Box 1600, Midland, Texas					
Monitor Resources Corporation, 521 Fifth Avenue, New York, New York 10017					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA yes		THE NEW MEXICO STATE ENGINEER yes	
				ELECTRICAL LOG yes	
				DIAGRAMMATIC SKETCH OF WELL yes	

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Don C. Bennett
(Signature)

Operations Manager
(Title)

9-16-69
(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.

SEP 22 1969

September 16, 1969

Case 4231

Champlin Oil Company
P. O. Box 1797
Midland, Texas 79701

Cayman Corporation
Wilco Building
Midland, Texas 79701

Humble Oil & Refining Company
Box 1600
Midland, Texas 79701

Monitor Resources Corporation
521 Fifth Avenue
New York, New York 10017

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres Zone from 4174' to 4388' in the subject well. For your review, enclosed is a copy of application form C-108, and letter to the New Mexico Oil Conservation Commission.

If you, as offset operator, have no objection to this application, please execute two copies of this letter; forward one copy to the New Mexico Oil Conservation Commission, Santa Fe, New Mexico and return one copy to our office in Midland. Included for your convenience are pre addressed envelopes.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett
Operations Manager

APPROVED:

COMPANY

BY

DATE

DCB/ljb
Encl.

SEP 19 1969

September 18, 1969

Page 423.1

State Game Commission
State Capitol
Santa Fe, New Mexico

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

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Your earliest consideration of this matter will be appreciated.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

DON C. BENNETT
Operations Manager

DCB:jan

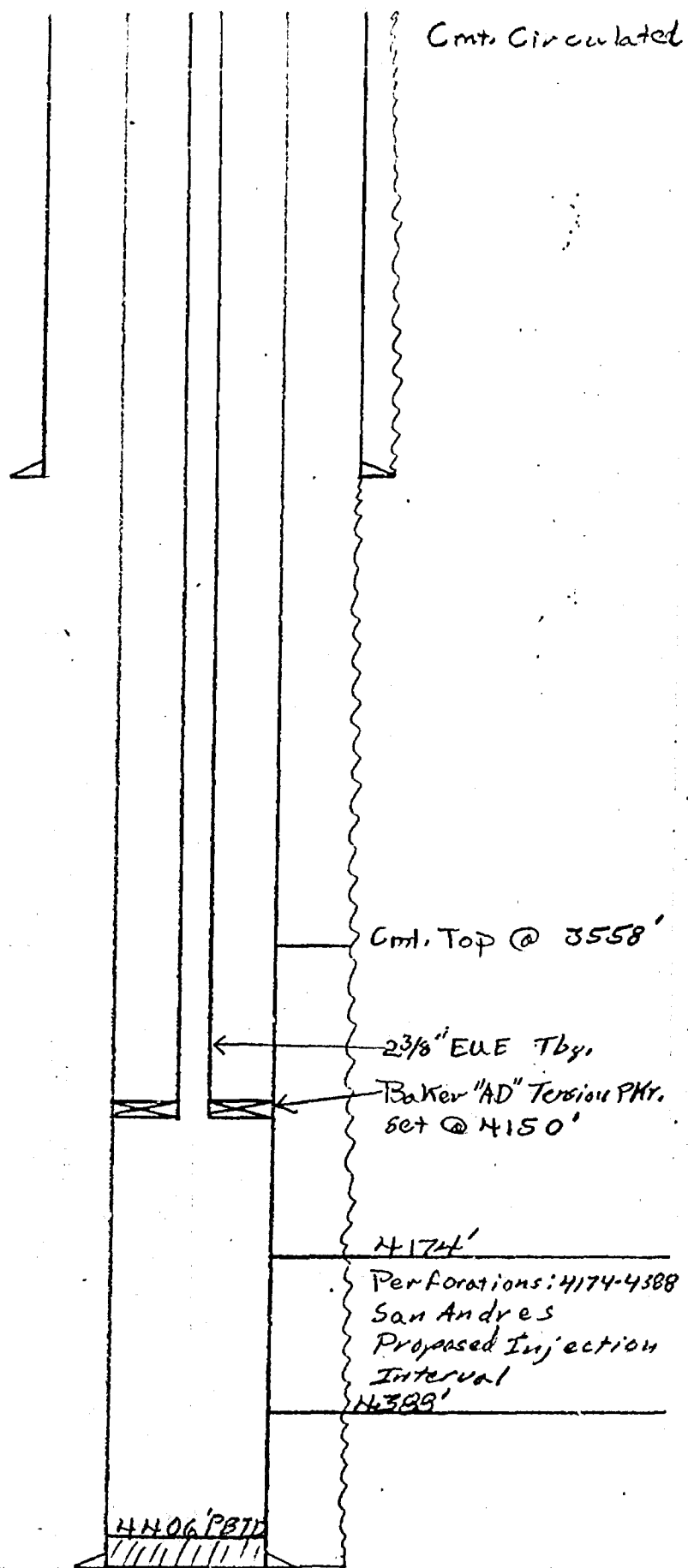
Enclosures

APPROVED:

BY: _____ DATE: _____

[illegible]

Proposed Disposal
Well Hookups
State "30" No. 3
Charero (San Andres)
Roosevelt Cty., N.M.



Case 4031

September 18, 1969

State Engineer Office
Capitol Building
Santa Fe, New Mexico

Case 4231

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres zone from 4174 feet to 4388 feet in the subject well. For your review, enclosed is a copy of application form C 108, letter to the New Mexico Oil Conservation Commission, copies of waiver letters to the offset operators and surface owner, a well log indicating the proposed injection zone, an area plat indicating location of the subject well and leases to be served, and a diagrammatic sketch of the proposed well equipment.

If you have no objection to this application, please execute two copies of this letter; forward one copy to the New Mexico Oil Conservation Commission and return one copy to our office in Midland, Texas.

Your earliest consideration of this matter will be appreciated.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett

DON C. BENNETT
Operations Manager

DCB:jan
Enclosures
APPROVED:

Date

WESTERN STATES PRODUCING COMPANY

900 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

SEP 16 1969

September 18, 1969

State Game Commission
State Capitol
Santa Fe, New Mexico

RE: Western States Producing Company
State 30 Well No. 3
Roosevelt County, New Mexico
Chaveroo (San Andres) Field

Gentlemen:

Western States Producing Company proposes to dispose of produced water in the San Andres zone from 4174 feet to 4388 feet in the subject well. For your review, enclosed is a copy of application form C 108 and letter to the New Mexico Oil Conservation Commission.

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Your earliest consideration of this matter will be appreciated.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett

DON C. BENNETT
Operations Manager

DCB:jan

Enclosures

APPROVED:

BY: *David S. Bredon*

DATE: *10/9/69*

WESTERN STATES PRODUCING COMPANY

900 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701

L.N. DUNNAVANT
VICE PRESIDENT AND
MANAGER OF OPERATIONS

September 18, 1969

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

RE: SALT WATER DISPOSAL APPLICATION
State "30" Well No. 3
Chaveroo San Andres Field
Roosevelt County, New Mexico

Gentlemen:

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Your earliest consideration of this matter will be appreciated.

Yours very truly,

WESTERN STATES PRODUCING COMPANY

Don C. Bennett

DON C. BENNETT
Operations Manager

DCB:jan

Enclosures

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Western States Producing Company		ADDRESS 900 Bank of the Southwest Bldg.	
LEASE NAME State "30"	WELL NO. 3	FIELD Chavercoo (San Andres)	COUNTY Roosevelt
LOCATION UNIT LETTER <u>L</u> ; WELL IS LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>30</u> TOWNSHIP <u>7-S</u> RANGE <u>33-E</u> NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	7"	1820'	400	circ.	--
INTERMEDIATE					
LONG STRING	4-1/2"	4413'	150	3558	Cement eval. log
TUBING	2-3/8"	4150'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model "AD" Tension Packer		
NAME OF PROPOSED INJECTION FORMATION San Andres			TOP OF FORMATION 3458'		BOTTOM OF FORMATION 4433' T.D.
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES perfs.		PROPOSED INTERVAL(S) OF INJECTION 4174' - 4388'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil production			HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH None					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 100'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA None	
ANTICIPATED DAILY INJECTION VOLUME (BBL/D.)	MINIMUM 50	MAXIMUM 150	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure	APPROX. PRESSURE (PSI) 200
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE -			WATER TO BE DISPOSED OF yes	NATURAL WATER IN DISPOSAL ZONE yes	ARE WATER ANALYSES ATTACHED? yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) State Game Commission of New Mexico, State Capitol, Santa Fe, New Mexico 87501					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
Champlin Petroleum Company P. O. Box 1797, Midland, Texas					
Cayman Corporation, Wilco Building, Midland, Texas 79701					
Humble Oil Company, Box 1600, Midland, Texas					
Monitor Resources Corporation, 521 Fifth Avenue, New York, New York 10017					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)?		PLAT OF AREA yes		ELECTRICAL LOG yes	
				THE NEW MEXICO STATE ENGINEER yes	
				DIAGRAMMATIC SKETCH OF WELL yes	

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Dan C. Bennett Operations Manager
(Signature) (Title)

9-16-69
(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.

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. 4231

Order No. R- 3866

APPLICATION OF WESTERN STATES PRODUCING
COMPANY 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 October 22, 1969,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter

NOW, on this day of October, 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, Western States Producing Company,
is the owner and operator of the State "30" Well No. 3
located in Unit L of Section 30, Township 7 South, Range
33 East, NMPM, Chaveroo-San Andres Pool, Roosevelt
County, New Mexico.

(3) That the applicant proposes to utilize said well to
~~dispose~~ ^{inject} of produced salt water into the San Andres
formation, with injection into the perforated interval
from approximately 4174 feet to 4388 feet.

(6) ~~447~~ That the injection should be accomplished through
2 3/8-inch plastic-lined tubing installed in a packer set at

(4) That the subject well should be classified as a
pressure maintenance project injection well.

(5) That the subject pressure maintenance project is
in the interest of conservation and should result in
greater ultimate recovery of oil, thereby preventing waste.

approximately 4150 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.

(7) That approval of the subject application ^{should be appended} will prevent ~~and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.~~ the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

Western States Producing Company
(1) That the applicant, ~~Kern County Land Company~~, is hereby authorized to institute a pressure maintenance project in the Chaveroo-San Andres Pool, Roosevelt County, New Mexico, by the injection of water into the San Andres formation through its ~~Federal 24 Well No. 1~~, located in Unit 3 of Section 30, Township 7 South, Range 33 East, NMPM, Roosevelt County, New Mexico.

^{2 3/8}
~~2 7/8~~ (2) That said injection should be accomplished through ~~2 7/8~~ inch tubing installed in a packer set at approximately ~~4150~~ feet, and into the perforated interval from approximately ~~4158~~ feet to ~~4233~~ feet;
~~4174~~ ⁴³⁸⁸

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 in order to determine leakage in the tubing, casing, or packer.

Western States Producing Company
(3) That the subject pressure maintenance project is hereby designated the ~~Kern County Federal 24~~ Pressure Maintenance Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(4) That monthly progress reports of the pressure maintenance project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(5) 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

S E A L

esr/