

CASE 4061: Application of MILLARD
DECK OIL COMPANY FOR SALT WATER
DISPOSAL, LEA COUNTY, NEW MEXICO.

Case Number

4061

Application
Transcripts.

Small Exhibits

ETC.

dearnley-meier

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

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BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
February 26, 1969
EXAMINER HEARING

IN THE MATTER OF:)

Application of Millard)
Deck Oil Company for salt)
water disposal, Lea)
County, New Mexico.)

Case No. 4061

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 4061.

MR. HATCH: Case 4061, Application of Millard Deck
Oil Company for salt water disposal, Lea County, New Mexico.

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

MR. UTZ: Any other appearances?

(Witness sworn.)

(Whereupon, Applicant's Exhibits
Numbers 1, 2, 3, 4, 5, inclusive,
were marked for identification.)

MILLARD DECK

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q State your name, please?

A Millard Deck.

Q Are you the applicant in Case 4061, Mr. Deck?

A Yes, sir.

Q Where are you located?

A Eunice, New Mexico.

Q Have you ever testified before the Oil Conservation
Commission?

A No, sir.

Q Would you for the benefit of the Examiner briefly outline your background and experience in the oil business?

A Educationwise?

Q Yes, education and experience?

A Education, I quit school in the seventh grade, and I have been in the oil fields since I was 14 years old.

Q Have you been actively engaged in the oil business?

A No, sir, I was with Neville Penrose for 18 and a half years.

Q What position did you hold with Neville Penrose?

A Assistant superintendent.

Q Did you actively supervise the drilling and completion of oil and gas wells?

A Yes, sir.

Q Now, how long have you been in the business on your own as Millard Deck Oil Company?

A About five years.

Q Where is your business located?

A In Eunice, New Mexico.

Q Do you have production in southeastern New Mexico?

A Yes, sir.

Q And the subject well which is under consideration in

this application, does that belong to you?

A Yes, sir.

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

MR. UTZ: Yes, they are.

Q Mr. Deck, briefly what is proposed in the application in Case 4061?

A To dispose of salt water.

Q Is this in compliance with the Commission's order requiring the disposition of salt water underground by March 1st?

A Yes, sir.

Q Now, referring to what has been marked as Exhibit Number 1, would you identify that exhibit? Is that the form C-108 which you filed with the Commission in connection with this application?

A Yes, it is.

Q What interval do you propose to dispose of the salt water in?

A Jalmat-Seven Rivers.

Q And at what depth?

A From 3,752 to 3,872.

Q Is that the open hole interval?

A Yes, it is.

Q What quantities of water will you dispose of in this well?

A Possibly to start out with, 1,000 barrels a day.

Q Do you anticipate that volume will increase?

A Yes, sir.

Q Do you anticipate that well will take the water on gravity or vacuum?

A On vacuum, yes.

Q Referring to what has been marked as Exhibit Number 2, would you identify that exhibit? State what that is?

A Southwest quarter of the southwest quarter, Section 31, Township 21 South, Range 36 East, Lea County, New Mexico.

Q That is the area that is outlined in red?

A Yes, sir.

Q Does the exhibit depict the offsetting ownership within a radius of two miles?

A No, sir.

Q It does not?

A Does it affect them?

Q Does it show the offsetting ownership?

A Yes, it sure does.

Q And the producing wells?

A Yes, it does.

Q What horizons are the wells within a two mile radius of this well producing from?

A There is no well within a two mile radius producing from this section.

Q That is from the section in which you propose to dispose of water?

A That's right.

Q What are these wells shown on the exhibit, what zone are they producing from?

A From the Yates.

Q Would they in any way--

A Excuse me, I believe the Queen Yates.

Q Would they be in any way affected by the disposition of the water that you propose in this case?

A No, sir.

Q Now, referring to what has been marked as Exhibit 3, would you identify that exhibit?

A That is the formation.

Q Is that the driller's log?

A Yes, sir.

Q What information is shown on there?

A Well, it shows depths, and what kind of formation that it is.

Q Do you have an electric log on this well?

A Yes, I do.

Q Can you make a copy of that available to the Commission?

A Yes, I can. I believe they have a copy of the log.

Q Has one been filed with the application in this case?

A I believe so.

MR. KELLAHIN: Does the record show a copy of the electric log?

MR. UTZ: No, not in this file.

THE WITNESS: Well, I have a log.

Q (By Mr. Kellahin) Could you furnish a copy of it?

A Yes, I can.

Q Will you forward that to the Commission at a later date?

A Yes, I will.

Q Referring to what has been marked as Exhibit Number 4, is that a diagrammatic sketch showing the status of the well?

A Yes, sir.

Q What is the present status of this well?

A It is temporarily abandoned, it is shut in.

Q As I understand from your diagrammatic sketch, you propose to dispose of water through tubing and under a packer?

A That's right.

Q Will the tubing be internally coated?

A Yes.

Q Will you fill the tubing casing annulus with an inert fluid?

A Yes.

Q And put a pressure gauge at the surface?

A Yes.

Q You show the cementing program on Exhibit Number 4.

Have you made a calculation of the cement tops on those various strings?

A No, sir, surface and intermediate is cemented back to the surface.

Q They are both circulated?

A That's right, and the oil string was cemented with 200 sacks, which I don't have a top on.

Q Is there any way in your opinion, any possibility that any damage would result to any intervening formations above the packer?

A No, sir.

Q Have you applied for a special use permit with the United States Bureau of Land Management?

A Yes, sir.

Q Is that marked as Exhibit Number 5, that application?

A Yes, sir.

Q Have you received a permit as yet?

A No, sir, I haven't.

Q Did they inform you that the permit would not be granted until the disposal well had been approved by the Oil Commission?

A That's right.

Q What is the source of the water that you propose to dispose of in this well, Mr. Deck?

A The source of the water?

Q Yes, where will it come from?

A Come from several different places over the field.

It will be hauled in.

Q You will not have a line laid to the well, is that right?

A No, sir, that's right.

Q Initially, you say you will dispose of approximately 1,000 barrels. Where will that water come from?

A It will come from some leases of mine and some other leases that McCastlin Oil Service hauls.

Q Where are the leases of yours that will be used, from which you will dispose of water, where are they located?

A They are located south of Eunice, Section 16.

Q You will haul this water from some distance?

A Correct.

Q About how far?

A Probably seven or eight miles.

Q Will you hold this well open to other operators in the area who might want to dispose of water?

A Yes, I will.

Q Have you made any tests of this formation for the purpose of disposing of water?

A Yes, I have. I pumped 500 barrels of water in it at the rate of 15 barrels a minute, and I never did catch it. It went on vacuum.

Q It went on vacuum. You had no pressure?

A No pressure.

Q Do you anticipate that the well will take the volumes of water you propose to put into it?

A Yes, sir, I sure do.

Q What maximum amount of water do you anticipate you will dispose of in this well?

A Well, really, I don't know what we would end up putting in it as we go along.

Q Could you give any kind of an estimate on it?

A I would say 10,000 barrels a day.

Q That would be a maximum?

A Yes.

Q Do you feel this well will take care of 10,000 barrels a day without any adverse effect on the formation?

A Yes, I do.

Q What is the closest production in this particular formation?

A The closest production is the Campbell and Hendrick Shell State No. 1, located in Unit M, 330 from the south and west lines of Section 32, Township 21, Range 36 East.

Q Well, that would be approximately a mile and a half or two miles away?

A Would be about two miles away.

Q Would the injection of water in the volumes you are proposing--

MR. UTZ: It would be a mile, wouldn't it?

THE WITNESS: Two, wouldn't it?

MR. UTZ: You are in Section 31, aren't you?

THE WITNESS: Yes, sir.

MR. UTZ: Unit M, that well is in? Campbell and Hendrick?

THE WITNESS: Unit M, yes, sir.

MR. UTZ: Exactly one mile?

THE WITNESS: One mile, yes.

Q (By Mr. Kellahin) Would the injection in the amount of 10,000 barrels a day cause any adverse effect, in your opinion?

A I don't think it would.

Q Now, Mr. Deck, I would like to ask you, on you form C-108, you show a perforated interval from 3,511 feet to 3,679. What is the situation as to those perforations?

A That will be squeezed off, or if it would be all right to set a packer below it and inject water, and just leave it open.

Q What formation would that be in? Would it be the same formation?

A No, it would be in the Queen.

Q There is production from the Queen in the vicinity of this well?

A Yes, sir.

Q If those perforations were left open and the packer set above that point, would that have any adverse effect on the production from the Queen, in your opinion?

A No, sir, it wouldn't.

Q In your opinion, would the Queen take any water if you

completed it in that manner?

A No, sir, it wouldn't take any water.

Q It would go into the lower formation?

A That's right.

Q Were Exhibits 1 through 5 prepared by you or under your supervision?

A Yes, sir.

MR. KELLAHIN: I would like to offer in evidence Exhibits 1 through 5, inclusive.

MR. UTZ: Without objection, they will be entered into the record of this case.

(Whereupon, Applicant's Exhibits Numbers 1, 2, 3, 4, 5, inclusive, were admitted in evidence.)

MR. KELLAHIN: That is all I have on direct examination.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Deck, I didn't quite understand where this water was coming from at the present time. Initially, you are completing this well as a SWD well for your own use, aren't you?

A Yes, sir, my own use. That is my idea in doing it, but it will be used--other people will use the well.

Q Where is the water coming from?

A From the Cole No. 1 and the Lunt No. 1, and I don't

have the description of those.

MR. KELLAHIN: If the Examiner please, I don't believe they are shown on this plat here.

MR. UTZ: They are quite a ways away?

MR. KELLAHIN: About eight miles away, according to his testimony.

Q You will truck it in?

A Yes, sir, truck it in.

Q Now, on your form C-108 that you filed, you list some perforations from 3,511 to 3,679. Are you going to squeeze these off, or have they been squeezed off?

A No, they are open at the present. What I wanted to do is set the packer below those, and leave them open because they won't take any water. You can't pump water in them, unless you have a real high pressure. It is a real tight zone.

Q What zone is it?

A It is the Queen.

Q In your opinion, if you fill the annulus with inert fluid, it won't seep through these perforations?

A Yes, sir, the hole will load behind the packer. It won't take any water.

Q And your injection will be as shown on Exhibit 4, 3,752 to 3,872?

A Yes, sir.

Q And that is in what zone now, the Queen and what?

A That is Seven Rivers.

Q All Seven Rivers?

A Yes, Queen and Seven Rivers.

MR. HATCH: The ad says Queen and Seven Rivers. The form C-108 just says Queen. The ad says Queen and Seven Rivers.

THE WITNESS: Some of them call it Seven Rivers, and some of them call it Queen and Seven Rivers. Really, it is all the same formation.

Q (By Mr. Utz) You are not here seeking injection into the Queen?

A No, that's right, into the Seven Rivers.

MR. UTZ: Any other questions of the witness? The witness may be excused. Are there any statements? The case will be taken under advisement.

I N D E X

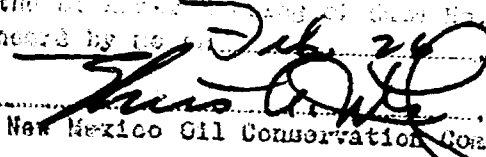
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<u>EXHIBITS</u>	<u>MARKED</u>	<u>OFFERED AND ADMITTED</u>
Applicant's Exhibits Numbers 1 through 5	2	13

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.


 COURT REPORTER

I do hereby certify that the foregoing is
 a complete record of the proceedings in
 the hearing held at Case No. 4061.
 heard by me on July 24, 1967.

 New Mexico Oil Conservation Commission

MILLARD DECK OIL COMPANY

OIL OPERATOR

P. O. BOX 409

EUNICE, NEW MEXICO 88231

TELEPHONE (505) 394-2249

March 4, 1969

10 MAR 10 1969

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

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

Re: Application of Millard Deck Oil Company
For Salt Water Disposal Well - Case No. 4061

Dear Sir:

On February 26, 1969 during Examiner Hearing, evidence was taken pertaining to converting Millard Deck Atha No. 1, located in Unit M of Section 31, Township 21 South, Range 36 East, Lea County, to salt water disposal status. It was requested that the Commission be supplied three copies of the log on this well. Enclosed you will find the required copies.

Yours very truly,

Millard Deck

MILLARD DECK

Enclosures



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

March 4, 1969

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Re: Case No. 4061
Order No. R-3694
Applicant:
Millard Deck Oil 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 Bureau of Land Management and
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. 4061
Order No. R-3694

APPLICATION OF MILLARD DECK OIL COMPANY
FOR SALT WATER DISPOSAL, LEA COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 26, 1969,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of March, 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, Millard Deck Oil Company, is the
owner and operator of the Atha Well No. 1, located in Unit M of
Section 31, Township 21 South, Range 36 East, NMPM, South Eunice
Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the Seven Rivers and Queen
formations, with injection into the open-hole interval from
approximately 3752 feet to 3872 feet.

(4) That the injection should be accomplished through
2 3/8-inch plastic-lined tubing installed in a packer set at
approximately 3730 feet and that a hydrostatically balanced
column of inert fluid should be maintained in the casing-
tubing annulus.

-2-

CASE No. 4061
Order No. R-3694

(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, Millard Deck Oil Company, is hereby authorized to utilize its Atha Well No. 1, located in Unit M of Section 31, Township 21 South, Range 36 East, NMPM, South Eunice Pool, Lea County, New Mexico, to dispose of produced salt water into the Seven Rivers and Queen formations, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 3730 feet, with injection into the open-hole interval from approximately 3752 feet to 3872 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined and that a hydrostatically balanced column of inert fluid shall be maintained in the casing-tubing annulus.

(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.

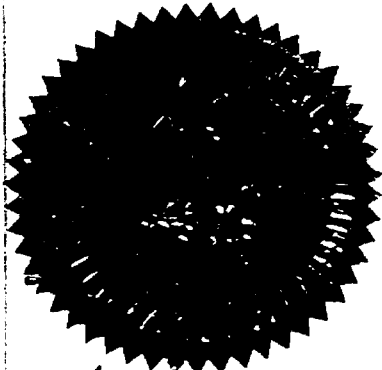
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


DAVID F. CARGO, Chairman


ALEX J. ARMILLO, Member


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



esx/

Case 4061

Heard 2-26-69

Rec. 2-27-69.

Grant Midland Deeds permission
to convert ~~the~~ his Altha #1 ~~to~~,
SW 5W 31-22S-31E to a SW D well.
Injection shall be thru Plastic or cement
lined tubing, under a packer and into
open hole in ~~the~~ Seven Rivers at from
3752-3872. A packer shall be
set at approx. 3730'. The Annulus
shall be filled with cement fluid
w/ gauge at the surface.

Shut. In
Enclosed appear
to you on this 2-26-69

W. C. W.

DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 26, 1969

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

The following cases will be heard before Elmer A. Utz, Examiner, and Dennis S. Nutter, Alternate Examiner.

- CASE 4052: Application of Mobil Oil Corporation for a pool creation and discovery allowable, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the creation of the Lightcap-Pennsylvanian Pool in Chaves County, New Mexico, comprising the NE/4 NE/4 of Section 7, Township 8 South, Range 30 East, and for the assignment of approximately 35,650 barrels of oil discovery allowable to the discovery well, its C. L. O'Brien Well No. 1 located in Unit A of said Section 7.
- CASE 4036: (Continued from the February 5, 1969, Examiner Hearing) Application of Mobil Oil Corporation for a dual completion, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its C. L. O'Brien Well No. 1 located in Unit A of Section 7, Township 8 South, Range 30 East, Chaves County, New Mexico, to produce oil from an undesignated Pennsylvanian oil pool and the Lightcap (Devonian) Pool through parallel strings of tubing.
- CASE 4053: Application of El Paso Products Company for special pool rules, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special rules for the Gallegos-Gallup Pool, San Juan County, New Mexico, including provisions for the classification of oil and gas wells, 80-acre spacing for oil wells, and 320-acre spacing for gas wells.
- CASE 4054: Application of Acreada Petroleum Corporation for an unorthodox oil well location and amendment to Order No. R-2157, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a producing oil well at an unorthodox location 1250 feet from the West line and 2220 feet from the South line of Section 28, Township 24 South, Range 37 East, in its Langlie-Mattix Woolwoyth Unit Waterflood Project, Langlie-Mattix Pool, Lea County, New Mexico. Applicant also seeks the amendment of Order No. R-2197, which order authorized said waterflood project, to establish an administrative procedure whereby said project could be expanded to include additional lands and injection wells and producing wells at orthodox and unorthodox locations as may be necessary to complete an efficient injection and producing pattern without the necessity of showing well response.

- CASE 4055: Application of Albert Gackle 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 3290 feet to 3620 feet in his George Etz Well No. 3 located in Unit N of Section 27, Township 23 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.
- CASE 4056: Application of Albert Gackle for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Lower Queen formation in the perforated interval from approximately 3642 feet to 3699 feet in his Sinclair "A" State Well No. 5 located in Unit I of Section 23, Township 23 South, Range 36 East, Langlie-Mattix Pool, Lea County, New Mexico.
- CASE 4057: Application of Charles B. Read for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special rules for the Quail-Queen Pool, Lea County, New Mexico, including a provision for 80-acre spacing and proration units.
- CASE 4058: Application of Hiram W. Keith and Dalton Haines for salt water disposal, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to dispose of produced salt water into the Seven Rivers formation in the open-hole interval from approximately 3874 feet to 3951 feet in their State Well No. 2 located in Unit K of Section 16, Township 21 South, Range 34 East, West Wilson Pool, Lea County, New Mexico.
- CASE 4059: Application of Hiram W. Keith and Dalton Haines for salt water disposal, Eddy County, New Mexico. Applicants, in the above-styled cause, seek authority to dispose of produced salt water into the Delaware formation in the open-hole interval from approximately 4030 feet to 4158 feet in their Eddy "AGA" State Well No. 2 located 660 feet from the North line and 1650 feet from the Westline of Section 36, Township 26 South, Range 31 East, North Mason-Delaware Pool, Eddy County, New Mexico.
- CASE 4060: Application of Sidney Lanier 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 approximately 3402 feet to 3650 feet in his I. B. Ogg "A" Well No. 5 located in Unit J of Section 35, Township 24 South,

(Case 4060 continued)

Range 36 East, Jalmat Yates-Seven Rivers Pool, Lea County, New Mexico.

CASE 4061: Application of Millard Deck Oil Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Seven Rivers and Queen formations in the open-hole interval from approximately 3752 feet to 3872 feet in its Atha Well No. 1 located in Unit M of Section 31, Township 21 South, Range 36 East, South Eunice Pool, Lea County, New Mexico.

CASE 4062: Application of Kersey & Company for salt water disposal, Eddy 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 1835 feet to 1870 feet in the Bass Well No. 3 located in Unit F of Section 12, Township 19 South, Range 28 East, East Millman Queen-Grayburg Pool, Eddy County, New Mexico.

CASE 4063: Application of Kerr-McGee Corporation for the creation of a new gas pool and special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new pool for the production of gas from the Morrow formation by its Nix Well No. 1 located in Unit L of Section 11, Township 19 South, Range 26 East, Eddy County, New Mexico, and for the promulgation of special pool rules therefor, including a provision for 640-acre spacing.

CASE 4064: Application of Atlantic Richfield 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 approximately 4207 feet to 4266 feet in its Tucker Well No. 4 located in Unit O of Section 23, Township 7 South, Range 32 East, Chaverco-San Andres Pool, Roosevelt County, New Mexico.

CASE 4065: Application of Humble Oil & Refining Company for an unorthodox oil well location and reclassification of a water well to an oil well, Lea County, New Mexico. Applicant, in the above-styled cause, seeks to have its New Mexico State "S" Water Source Well No. 4 (CP-427), located at an unorthodox oil well location 650 feet from the West line and 175 feet from the

South line of Section 2, Township 22 South, Range 37 East, Lea County, New Mexico, reclassified as an oil well for the production of oil an undesignated San Andres Oil Pool and authority to produce same as an oil well.

CASE 4066: Application of Humble Oil & Refining Company for the consolidation of two non-standard gas proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the consolidation of two existing non-standard 320-acre gas proration units into one standard 640-acre unit comprising all of Section 26, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, to be dedicated to its New Mexico State "G" Wells Nos. 2 and 4 located in Units P and G, respectively, of said Section 26. Applicant further seeks authority to produce the allowable assigned to said unit from either of said wells in any proportion.

CASE 4067: Application of Benson-Montin-Greer Drilling Corporation for special pool rules, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the La Plata-Gallup Pool, San Juan County, New Mexico, including a provision for 160-acre spacing and proration units. Applicant further requests that said special rules provide that the unit allowable for a 160-acre unit in said pool be allocated on the basis of four times the normal unit allowable for Northwest New Mexico, and that no credit be given for depth factors. Applicant further requests that said special rules be limited in their application to the exterior boundaries of the La Plata-Mancos Unit Area.

CASE 4068: Application of Martin Yates III for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Delaware formation in its Yates & Hanson McCord Well No. 1 located in Unit E of Section 22, Township 23 South, Range 26 East, Dark Canyon Field, Eddy County, New Mexico. Applicant further seeks a procedure whereby its Cordie King Well No. 2 located in Unit K of said Section 22 may be approved for the disposal of salt water without the requirement of notice and hearing.

Examiner Hearing
February 26, 1969

- CASE 4045: (Continued from the February 5, 1969 Examiner Hearing)
Application of H & S Oil Company for an amendment to Order No. R-3357, as amended by Order No. R-3357-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3357, as amended by Order No. R-3357-A, which order authorized the H & S West Artesia Unit Unit Waterflood Project. Applicant proposes to substitute the Roach Drilling Company-Leonard Well No. 18 located in Unit D of Section 17 as a water injection well in said project in lieu of the Cities Service-Mell Well No. 17 located in Unit M of Section 8, both in Township 18 South, Range 28 East, Artesia Pool, Eddy County, New Mexico.
- CASE 4069: Application of Union Oil Company of California for the creation of a new pool, assignment of discovery allowable, and the promulgation of special pool rules, Lea County, New Mexico.
- Applicant, in the above-styled cause, seeks the creation of a new Devonian oil pool for its Midway State Well No. 1 located in Unit F of Section 12, Township 17 South, Range 36 East, Lea County, New Mexico, and for the assignment of an oil discovery allowable in the amount of approximately 57,380 barrells to said well. Applicant further seeks the promulgation of special pool rules for said pool, including a provision for 80-acre proration units.
- CASE 4070: Application of C. E. LaRue and B. N. Muncy, Jr., for salt water disposal, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to dispose of produced salt water into the salt and Yates formations in the open-hole interval from approximately 1254 feet to 3000 feet in the La Rue-Muncy John "B" Well No. 2 located in Unit A of Section 35, Township 17, South, Range 32, East, Maljamar Grayburg-San Andres Pool, Lea County, New Mexico.

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

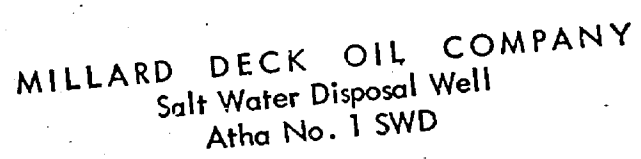
OPERATOR Millard Deck		ADDRESS P. O. Box 409, Eunice, New Mexico 88231	
LEASE NAME Atha	WELL NO. 1	FIELD Jalmat Yates-Seven Rivers	COUNTY Lea
LOCATION UNIT LETTER M ; WELL IS LOCATED 660 FEET FROM THE west LINE AND 660 FEET FROM THE south LINE, SECTION 31 TOWNSHIP 21S RANGE 36E NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	10-3/4"	510'	250
INTERMEDIATE	7-5/8"	1715'	500
LONG STRING	5-1/2"	3752'	200
TUBING	2-3/8"	3730'	NAME, MODEL AND DEPTH OF TUBING PACKER Johnston, model 101-S @ 3730'
NAME OF PROPOSED INJECTION FORMATION Queen		TOP OF FORMATION 3820'	BOTTOM OF FORMATION T. D. 3872'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Open hole	PROPOSED INTERVAL(S) OF INJECTION 3752' to 3872'
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? Yes
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 3511' - 3679' w/20 holes -- These perforations have not been squeezed off			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 1025'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 3720'	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 3760'
ANTICIPATED DAILY INJECTION VOLUME (BBL'S.) 500	MINIMUM 1500	MAXIMUM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity
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	APPROX. PRESSURE (PSI) 0
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) New Mexico Baptist Children's Home, P. O. Box 629, Portales, New Mexico			
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			
Continental Oil Company		P. O. Box 460, Hobbs, New Mexico 88240	
Cities Service Oil Company		P. O. Box 69, Hobbs, New Mexico 88240	
Getty Oil Company		P. O. Box 547, Hobbs, New Mexico 88240	
Gulf Oil Company - U. S.		P. O. Box 670, Hobbs, New Mexico 88240	
Tenneco Oil Company		18th Floor - Wilco Building, Midland, Texas 79701	
L. F. Peterson		Petroleum Building, Fort Worth, Texas 76102	
Ralph L. Clarke		P. O. Box 2310, Hobbs, New Mexico 88240	
Barnett & Rector		P. O. Box 670, Roswell, New Mexico 88201	
Late Oil Company		P. O. Drawer 71, San Angelo, Texas 76901	
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	THE NEW MEXICO STATE ENGINEER Yes
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)?	PLAT OF AREA 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.

Millard Deck Owner-Operator 1-22-69
(Signature) (Title) (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.

R-35-E



SW/4-SW/4 Sec. 31, T21S, R36E
Lea County, New Mexico

Scale 1" = 4000'

BEFORE EXAMINATION
OIL CONSERVATION
EXHIBIT NO. 2
CASE NO. 4061

RECORD OF FORMATIONS

Formation	Top	Bottom	Remarks
Caliche	0'	10'	
Sandstone & gravel	10'	120'	
Sandstone & shale	120'	235'	
Redrock & shale	235'	1025'	10-3/4" csg. set @
Redrock	1025'	1312'	510' w/250 sks.
Redrock & shale	1312'	1388'	
Redrock	1388'	1460'	
Redrock & shale	1460'	1532'	
Redrock	1532'	1710'	
Anhydrite	1710'	1755'	7-5/8" csg. set @
Anhydrite & salt	1755'	1935'	1715' w/500 sks.
Anhydrite	1935'	2032'	
Anhydrite & gypsum	2032'	3261'	
Salt & anhydrite	3261'	3335'	
Anhydrite	3335'	3343'	
Limestone & anhydrite	3343'	3487'	
Limestone	3487'	3798'	5-1/2" csg. set @
Sdy limestone & white limestone	3798'	3872'	3752' w/200 sks.

MILLARD DECK OIL COMPANY
Driller's Log
Atha No. 1 - Jalmat Field
SW/4 - SW/4 31-21S-36E
Lea County, New Mexico

BEFORE EXAMINER USE
OIL CONSERVATION DISTRICT NO. 3
CASE NO. 7061

MILLARD DECK OIL COMPANY

Diagrammatic Sketch of
Salt Water Disposal Well

Atha No. 1 SWD

SW/4 SW/4 Sec. 31-T22S-R31E

Lea County, New Mexico

510' - 10 3/4" O. D. casing
250 sacks cement

1715' - 7 5/8" O. D. casing
500 sacks cement

PERFS
3511-3619

BEFORE EXAMINATION USE

OIL CONSERVATION CO.

EXHIBIT NO. 4

CASE NO. 4061

Johnston model 101-S packer
set on 3730' 2 3/8" tubing.

3752' - 5 1/2" O. D. casing
200 sacks cement

Proposed Salt Water Disposal
Zone 3752' - 3872'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
BUDGET BUREAU NO. 42-R996.3

SPECIAL LAND-USE APPLICATION AND PERMIT

Land Office and Serial Number

LC 364 41 M

SEE INSTRUCTIONS ON REVERSE

1. Name (first, middle initial, and last)

Millard Deck

Address (include zip code)

P. O. Box 409, Eunice, New Mexico 88231

2a. Give the legal description of the public lands for which you are applying

SW/4 - SW/4 - 40 acres more or less.

Section 31, Township 21S, Range 36E, Lea County

Meridian, State of New Mexico

b. For how many years are you requesting this permit? (Not to exceed five years) 5 years

c. Are the lands adjacent to a highway? ☐ Yes ☒ No (If "yes," complete the following)

Type of highway ☐ Federal ☐ State ☐ City

Highway number

d. How many miles are the lands from the nearest city or town? Approximately 6 miles

3a. Are you 21 years of age or over? ☒ Yes ☐ No

b. Are you a citizen of the United States? ☒ Yes ☐ No

c. As applicant, are you a ☐ Partnership ☐ Association ☐ Corporation Individual

d. Are the statements required by Instruction Number 2 attached? ☐ Yes ☐ No

e. As applicant, are you an agency of the ☐ Federal Government ☐ State Government ☐ Political subdivision of any State? NO

4. Have you examined the lands described above? ☒ Yes ☐ No

5a. Are the lands now improved, occupied, or used? ☒ Yes ☐ No (If "yes," describe improvements and purposes, and identify users and occupants) One shut-in oil well owned and operated by Millard Deck.

b. Are there springs or water holes on the lands? ☐ Yes ☒ No (If "yes," give particulars)

c. What is the proposed source of water for domestic or other use?

Not applicable

d. Do the lands contain minerals? ☒ Yes ☐ No (If "yes," specify)

Oil & gas

e. Do the lands contain timber? ☐ Yes ☒ No (If "yes," list species and volume of timber)

6a. What do you propose to use the lands for?

The shut-in oil well will be converted to a water disposal well.

b. What improvements do you intend to make on the lands? (Describe improvements and attach drawings, if convenient)

No additional improvements on the surface

c. What is the estimated cost of proposed improvements? \$ 500.00

d. What are the proposed sanitation facilities?

Not applicable

7. Are you making this application for your own use and benefit? ☒ Yes ☐ No (If "no," explain)

8. Have you enclosed the filing fee of \$10? ☒ Yes ☐ No (See Instruction Number 3)

I CERTIFY That the information given by me in this application is true, complete, and correct to the best of my knowledge and belief and is given in good faith.

2-7-69

(Date)

(Signature of Applicant)

STIPULATION

The undersigned, applicant for a special land use permit, expressly agrees to be bound by the following provisions:

1.

Millard Deck agrees to assume all future responsibility for the Atha No. 1 Well located in the SW/4 - SW/4, Section 31, T21S, R36E, Lea County, New Mexico, under this special use permit, including proper operation of the well for disposal purposes, the plugging and abandonment of this well, and the restoration of the land surface to its original condition upon such abandonment.

2.

Millard Deck agrees that, prior to commencing salt water disposal, the well will be conditioned in a manner which is satisfactory to the District Engineer, U. S. Geological Survey, Hobbs, New Mexico.

3.

Millard Deck agrees to use the well for the purpose of salt water disposal and will plug and abandon the well when it is no longer needed for such purpose under a program prescribed by the Hobbs District Engineer, Geological Survey.

4.

Millard Deck agrees to secure the prior approval of the Hobbs District Engineer, Geological Survey, before commencing any operations such as drilling out cement plugs, cementing operations, perforating, using explosives or hydraulic fracturing, deepening, altering or pulling a portion of the well's casing, plugging operations, or any other operation affecting the completion status of the well.

MILLARD DECK, d/b/a
Millard Deck Oil Company

Millard Deck

9/2/87
Dated

POST OFFICE DEPARTMENT
CERTIFICATE OF MAILING

Received From:
 Millard Deck Oil Co
 Box 409
 Eunice, NM 88231

One piece of ordinary mail addressed to:
 Mr. L. J. Peterson
 Petroleum Building
 Ft. Worth, Texas 76102

MAY BE USED FOR DOMESTIC AND INTERNATIONAL MAIL, DOES NOT PROVIDE FOR INSURANCE. — POSTMASTER

POD FORM NOV. 1963 3817

6c EUNICE, N. MEX. POSTAGE & PROVISIONS U.S.P.O.

POST OFFICE DEPARTMENT
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Received From:
 Millard Deck Oil Co
 Box 409
 Eunice, NM 88231

One piece of ordinary mail addressed to:
 Ditty Oil Co
 Box 547
 Hobbs, NM 88240

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 Cities Service Oil Co
 Box 67
 Hobbs, NM 88240

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CERTIFICATE OF MAILING

Received From:
 Millard Deck Oil Co
 Box 409
 Eunice, NM 88231

One piece of ordinary mail addressed to:
 Lyle Oil Co.
 P.O. Drawer 71
 San Angelo, Texas 76901

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Received From:
 Millard Deck Oil Co
 Box 409
 Eunice, NM 88231

One piece of ordinary mail addressed to:
 Continental Oil Co
 Box 460
 Hobbs, NM 88240

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Received From:
 Millard Deck Oil Co
 Box 409
 Eunice, NM 88231

One piece of ordinary mail addressed to:
 Barnett & Rector
 P.O. Box 670
 Roswell, NM 88201

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Received From:
 Millard Deck Oil Co
 Box 409
 Eunice, NM 88231

One piece of ordinary mail addressed to:
 Mr. Ralph L. Clarke
 P.O. Box 2310
 Hobbs, NM 88240

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Received From:
 Millard Deck Oil Co
 Box 409
 Eunice, NM 88231

One piece of ordinary mail addressed to:
 New Mexico Baptist Children's Home
 P.O. Box 629
 Las Alamos NM 88130

MAY BE USED FOR DOMESTIC AND INTERNATIONAL MAIL, DOES NOT PROVIDE
 FOR INSURANCE. — POSTMASTER

POD FORM
 NOV. 1963 3817



POST OFFICE DEPARTMENT
CERTIFICATE OF MAILING

Received From:
 Millard Deck Oil Co
 Box 409
 Eunice, NM 88231

One piece of ordinary mail addressed to:
 Tenneco Oil Co
 18th Floor Wilco Building
 Midland Texas 79701

MAY BE USED FOR DOMESTIC AND INTERNATIONAL MAIL, DOES NOT PROVIDE
 FOR INSURANCE. — POSTMASTER

POD FORM
 NOV. 1963 3817



MILLARD DECK OIL COMPANY

OIL OPERATOR

P. O. BOX 409

EUNICE, NEW MEXICO 88231

TELEPHONE (505) 394-2249

January 23, 1969

JAN 29 1969

Clare 4057
4061

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. A. L. Porter, Jr.

Re: Application of Millard Deck Oil
Company for Salt Water Disposal
Well, Jalmat Yates-Seven Rivers
Field, Lea County, New Mexico

Gentlemen:

As required by Oil Conservation Commission Order R-3221 and under the provisions set forth by Rule 701-C of the Oil Conservation Commission Rules and Regulations, Millard Deck Oil Company respectfully requests that an Examiner Hearing date be set for an application to dispose of produced water from various and sundry wells located in the Jalmat Yates Seven Rivers and South Eunice Yates Seven Rivers Queen Fields into the Queen formation as found in the Millard Deck Oil Company Atha No. 1 located in Unit M, 660' from the west line and 660' from the south line of Section 31, Township 21 South, Range 36 East, Lea County, New Mexico.

Enclosed in triplicate is a completed Oil Conservation Commission Form C-108, Application to Dispose of Salt Water by Injection into a Porous Formation. Also included is the following data as required by Rule 701-B.

- (1) A plat showing the location of the proposed salt water disposal well and the location of all other wells within a radius of two miles.
- (2) Driller's Log of the subject well. An electric log of the proposed salt water disposal well.

DOCKET MAILED

Date 2-13-69

Oil Conservation Commission
Page 2
January 23, 1969

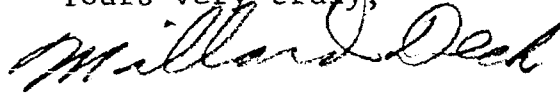
69 JAN 23 11 18 AM

- (3) A diagrammatic sketch of the proposed salt water disposal well as required by Rule 701-B-3.

Disposal zone in this proposed salt water disposal well will be from 3752' to 3872', which is the bottom 68' of the Seven Rivers and the top 52' of the Queen formations. The closest producing well which produces from this same interval is the Campbell and Hedrick-Shell State No. 1 located in Unit M, 330' from the south and west lines of Section 32, T21S, R36E. Water injected into the proposed salt water disposal well will not adversely effect this well or any other well producing from this interval.

A copy of this application has been furnished to the surface lessee, since this is a Federal lease, all offset operators, and to the State Engineer office.

Yours very truly,



MILLARD DECK

Enclosures

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

OPERATOR Millard Deck		ADDRESS P. O. Box 409, Eunice, New Mexico 88231	
LEASE NAME Atha	WELL NO. 1	FIELD Jalmat Yates - Seven Rivers	COUNTY Lea
LOCATION UNIT LETTER M ; WELL IS LOCATED 660 FEET FROM THE west LINE AND 660 FEET FROM THE south LINE, SECTION 31 TOWNSHIP 21S RANGE 36E NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	10-3/4"	510'	250	NOT AVAILABLE	
INTERMEDIATE	7-5/8"	1715'	500	"	"
LONG STRING	5-1/2"	3752'	200	"	"
TUBING	2-3/8"	3730'	NAME, MODEL AND DEPTH OF TUBING PACKER Johnston, model 101-S @ 3730'		
NAME OF PROPOSED INJECTION FORMATION Queen			TOP OF FORMATION 3820'		BOTTOM OF FORMATION T. D. 3872'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Open Hole		PROPOSED INTERVAL(S) OF INJECTION 3752' to 3872'	
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? Yes	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 3511' - 3679' w/20 holes -- These perforations have not been squeezed off					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 1025'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 3720'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 3760'	
ANTICIPATED DAILY INJECTION VOLUME (BBLS.)	MINIMUM 500	MAXIMUM 1500	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity	APPROX. PRESSURE (PSI) 0
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? No
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) New Mexico Baptist Children's Home, P. O. Box 629, Portales, New Mexico					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
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Cities Service Oil Company			P. O. Box 69, Hobbs, New Mexico 88240		
Getty Oil Company			P. O. Box 547, Hobbs, New Mexico 88240		
Gulf Oil Company - U. S.			P. O. Box 670, Hobbs, New Mexico 88240		
Tenneco Oil Company			18th Floor - Wilco Building, Midland, Texas 79701		
L. F. Peterson			Petroleum Building, Fort Worth, Texas 76102		
Ralph L. Clarke			P. O. Box 2310, Hobbs, New Mexico 88240		
Barnett & Rector			P. O. Box 670, Roswell, New Mexico 88201		
Late Oil Company			P. O. Drawer 71, San Angelo, Texas 76901		
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.

Millard Deck
(Signature)

Owner-Operator
(Title)

1-22-69
(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.

NEW MEXICO OIL CONSERVATION COMMISSION

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

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ANTICIPATED DAILY INJECTION VOLUME (BBL/S.) 500	MINIMUM 500	MAXIMUM 1500	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity	APPROX. PRESSURE (PSI) 0
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	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? No
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) New Mexico Baptist Children's Home, P. O. Box 629, Portales, New Mexico					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
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Gulf Oil Company - U. S.		P. O. Box 670, Hobbs, New Mexico 88240			
Tenneco Oil Company		18th Floor - Wilco Building, Midland, Texas 79701			
L. F. Peterson		Petroleum Building, Fort Worth, Texas 76102			
Ralph L. Clarke		P. O. Box 2310, Hobbs, New Mexico 88240			
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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.

Millard Deck
(Signature)

Owner-Operator
(Title)

1-22-69
(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.

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

OPERATOR Millard Deck		ADDRESS P. O. Box 409, Eunice, New Mexico 88231	
LEASE NAME Atha	WELL NO. 1	FIELD Jalmat Yates - Seven Rivers	COUNTY Lea
LOCATION UNIT LETTER M ; WELL IS LOCATED 660 FEET FROM THE west LINE AND 660 FEET FROM THE south LINE, SECTION 31 TOWNSHIP 21S RANGE 36E NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	10-3/4"	510'	250
INTERMEDIATE	7-5/8"	1715'	500
LONG STRING	5-1/2"	3752'	200
TUBING	2-3/8"	3730'	NAME, MODEL AND DEPTH OF TUBING PACKER Johnston, model 101-S @ 3730'
NAME OF PROPOSED INJECTION FORMATION Queen		TOP OF FORMATION 3820'	BOTTOM OF FORMATION T. D. 3872'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Open Hole	PROPOSED INTERVAL (S) OF INJECTION 3752' to 3872'
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? Yes
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 3511' - 3679' w/20 holes -- These perforations have not been squeezed off			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 1025'	DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 3720'	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 3760'	
ANTICIPATED DAILY INJECTION VOLUME (BBLS.) 500	MINIMUM 1500	MAXIMUM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity
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	NATURAL WATER IN DISPOSAL ZONE Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) New Mexico Baptist Children's Home, P. O. Box 629, Portales, New Mexico		APPROX. PRESSURE (PSI) 0	
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			
Continental Oil Company		P. O. Box 460, Hobbs, New Mexico 88240	
Cities Service Oil Company		P. O. Box 69, Hobbs, New Mexico 88240	
Getty Oil Company		P. O. Box 547, Hobbs, New Mexico 88240	
Gulf Oil Company - U. S.		P. O. Box 670, Hobbs, New Mexico 88240	
Tenneco Oil Company		18th Floor - Wilco Building, Midland, Texas 79701	
L. F. Peterson		Petroleum Building, Fort Worth, Texas 76102	
Ralph L. Clarke		P. O. Box 2310, Hobbs, New Mexico 88240	
Barnett & Rector		P. O. Box 670, Roswell, New Mexico 88201	
Late Oil Company		P. O. Drawer 71, San Angelo, Texas 76901	
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	THE NEW MEXICO STATE ENGINEER Yes
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA 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.

Millard Deck Owner-Operator 1-22-69
(Signature) (Title) (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.

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RECORD OF FORMATIONS

Formation	Top	Bottom	Remarks
Caliche	0'	10'	
Sandstone & gravel	10'	120'	
Sandstone & shale	120'	235'	
Redrock & shale	235'	1025'	10-3/4" csg. set @
Redrock	1025'	1312'	510' w/250 sks.
Redrock & shale	1312'	1388'	
Redrock	1388'	1460'	
Redrock & shale	1460'	1532'	
Redrock	1532'	1710'	
Anhydrite	1710'	1755'	7-5/8" csg. set @
Anhydrite & salt	1755'	1935'	1715' w/500 sks.
Anhydrite	1935'	2032'	
Anhydrite & gypsum	2032'	3261'	
Salt & anhydrite	3261'	3335'	
Anhydrite	3335'	3343'	
Limestone & anhydrite	3343'	3487'	
Limestone	3487'	3798'	5-1/2" csg. set @
Sdy limestone & white limestone	3798'	3872'	3752' w/200 sks.

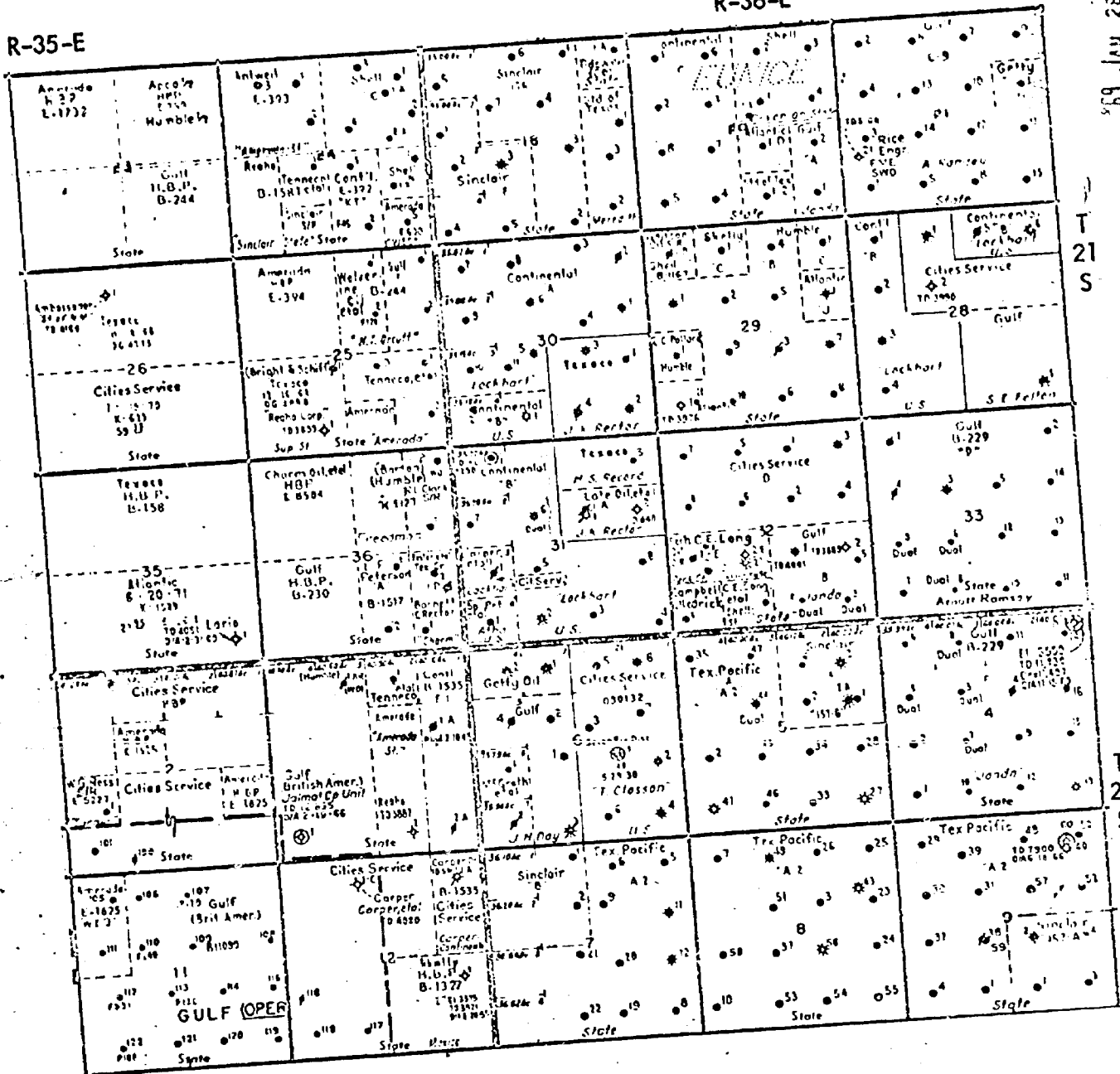
MILLARD DECK OIL COMPANY
 Driller's Log
 Atha No. 1 - Jalmat Field
 SW/4 - SW/4 31-21S-36E
 Lea County, New Mexico

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R-35-E

R-36-E



MILLARD DECK OIL COMPANY
 Salt Water Disposal Well
 Atha No. 1 SWD

SW/4-SW/4 Sec. 31, T21S, R36E
 Lea County, New Mexico

Scale 1" = 4000'

MILLARD DEC OIL COMPANY

Diagrammatic Sketch of
Salt Water Disposal Well

Atha No. 1 SWD

SW/4 SW/4 Sec. 31 - T22N R36E

Lea County, New Mexico

510' - 10 3/4" O. D. casing
250 sacks cement

1715' - 7 5/8" O. D. casing
500 sacks cement

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Johnston model 101-S packer
set on 3730' 2 3/8" tubing.

3752' - 5 1/2" O. D. casing
200 sacks cement

Proposed Salt Water Disposal
Zone 3752' - 3872'

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Cole 4057

PERFS =
3511 -
3679

DRAFT

GMH/esr

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

*Copy of Order
to B. L. M.*

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

CASE No. 4061

Order No. R- 3694

APPLICATION OF MILLARD DECK OIL COMPANY
FOR SALT WATER DISPOSAL, LEA COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 26, 1969,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this _____ day of _____, 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, Millard Deck Oil Company,
is the owner and operator of the Atha Well No. 1
located in Unit M of Section 31, Township 21 South, Range
36 East, NMPM, South Eunice Pool, Lea
County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the Seven Rivers and Queen
formations, with injection into the open-hole interval
from approximately 3752 feet to 3872 feet.

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

And that a hydrostatically balanced column of inert fluid should be maintained in the casing-tubing annulus.

approximately 3730 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, Millard Deck Oil Company, is hereby authorized to utilize its Atha Well No. 1 located in Unit M of Section 31, Township 21 South, Range 36 East, NMPM, South Eunice Pool, Lea County, New Mexico, to dispose of produced salt water into the Seven Rivers and Queen formations, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 3730 feet, with injection into the open-hole interval from approximately 3752 feet to 3872 feet;

~~PROVIDED HOWEVER, that the tubing shall be plastic-lined and that a hydrostatically balanced column of inert fluid shall be maintained in the casing-tubing annulus. 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~~ ^{*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.