DIBLORE, IN COURT, BY MELLIN.

Case Number.

Application

Transcripts.

Small Exhibits

1120 SIMMS BLDG. • P. O. BOX 1092 • PHONE 245-6691 * ALBUQUERQUE, NEW MEXICO

BEFORE THE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

June 25, 1969

EXAMINER HEARING

IN THE MATTER OF:

Application of McCasland Disposal) System for salt water disposal, Lea County, New Mexico.

Case 4141

: **ب**

BEFORE: ELVIS A. UTZ, Examiner



TRANSCRIPT OF HEARING

MR. HATCH: Case 4141, readvertised. Application of McCasland Disposal System for salt water disposal, Lea County, New Mexico.

If the Examiner please, this Case has already been heard, but it was incorrectly advertised. It was advertised, I believe as Section 8, Township 22 South, Range 36 East, and it should be advertised as Section 6. The Case has been heard. The Case was heard on May 21, 1969.

MR. UTZ: Are there any statements regarding Case 4141? That was from Section what to what?

MR. HATCH: It was advertised as Section 8 for the Hearing of May 21, 1969, and it should have been advertised as Section 6. 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 that the foregoing and attached Transcript of 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.

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My Commission Expires: December 6, 1972

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MS BIDG. • P. O. BOX 1092 • PHONE 243-669! • ALBUQUERQUE, NEW MEXICO

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BEFORE THE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

May 21, 1969

EXAMINER HEARING

IN THE MATTER OF:

Application of McCasland)
Disposal System for salt)
Water Disposal, Lea)
County, New Mexico.

Case 4141

BEFORE: ELVIS A. UTZ, Examiner



TRANSCRIPT OF HEARING

MR. UTZ: Case 4141.

MR. HATCH: Application of McCasland Disposal System for salt water disposal, Lea County, New Mexico.

MR. KELLAHIN: I am Jason Kellahin, appearing for the Applicant in this case, and I have one witness I would like to have sworn.

(Witness sworn)

DALLAS MC CASTLER

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

MR. UTZ: Any other appearances? You may proceed.

MR. KELLAHIN: Would you state your name, please?

THE WITNESS: Dallas McCastler.

- Q Mr. McCastler, what business are you engaged in?
 - A In the trucking business.
 - Q And in connection with your trucking business,

have you started a disposal system?

- A Yes, sir.
- Q Are you the Applicant in Case 4141?
- A Yes, sir.
- Q Is this a corporation, or are you operating

as a individual?

- A Individual.
- Q Mr. McCastler, have you ever testified before tie Oil Conservation Commission?
 - A Some --
 - Q In New Mexico?
 - A Several years ago. I don't recall the date.
 - Q But you have testified here before the Commission?
 - A Yes, sir.
 - Q Have you engaged in the oil business in your working career?
 - A Yes, sir. I have 20 something years experience in oil field work.
 - Q In oil field work?
 - A Yes, sir.
 - Q And where was this?
 - A In Eunice and Loco Hills, New Mexico.

Q Have you had any experience in salt water disposal operation?

A Well, I have -- presently on one well. That's the extent of my experience.

- Q Now, what are you proposing in your Case 4141?
- A You mean the completion of it?
- Q No; briefly, just what are you proposing? What are you suppose to do?
 - A Well, the water will be trucked in.
- Q Are you proposing to complete the J. H. Day Wells No. 1 and 2 for salt water disposal, is that what it is?
 - A Yes, sir.
- Q And you will truck water to the well for disposal?
 - A Yes, sir.
 - Q Where will the water come from?
 - A Various leases throughout Lea County.
 - Q Will this be a commercial operation?
 - A Yes, sir.
- Q You will dispose of water for oil operators in the area?

- A Yes, sir.
- Q Is that the purpose?
- A Yes, sir.
- Q And what volume of water do you anticipate that you will inject into these two wells?
 - A Approximately, 30,000 barrels a month.
 - Q A month?
 - A Yes.
- Q And you have one well in the vicinity, now; is that correct?
 - A One location, north.
- Q Are you presently using that for salt water disposal?
- (33)
- A Yes, sir.
- Now referring to what has been marked as the Applicant's Exhibit 1; would you identify that exhibit, please?
- A These wells formerly belong to Getty Oil Company -- J. H. Day; one and two.
- Q Are they located on the 80-acre tract, circled in red?
 - A Yes, sir.

- Q And does that plat show the offsetting ownership to those wells?
 - A Yes, sir.
 - Q To the best of your knowledge?
 - A Yes, sir.
- Q I refer you to what has been marked as Exhibit
 No. 2; would you identify that exhibit?
 - A This is a plug-in forming bond.
- Q You have qualified, then, with the Oil Conservation Commission, in New Mexico for ---
 - A It's in the process of being completed.
 - Q It is in the process?
 - A Yes, sir.
 - Q Has that been filed with the Commission, as yet?
 - A The agent wants to mail it yesterday.
- Q Okay. Referring to what has been marked as Exhibit No. 3; would you identify that exhibit?
- A This is application for salt water disposal in the J. H. Day Well No. 1.
- Q What interval will you dispose that water in that well?
 - A 3756; 3851 -- open hole.

- Ω Now, referring to what has been marked as Exhibit No. 4, would you identify that exhibit?
 - A This is in the diagram --

MR. UTZ: The diagrammatic sketch is six.

MR. KELLAHIN: C105. Or rather -- this one. All right. Just identify the Exhibit C105; form filed with the Commission in connection with the Well No. 1; is it not?

THE WITNESS: Yes, sir.

- Now, Exhibit No. 6; would you identify that exhibit?
- A This is the diagrammatic sketch of the J. H. Day No. 1.
- O Does that show that the cement circulated on the surface string --
 - A Yes, sir.
- Now, on the intermediate string, does the cement come back into the surface string?
 - A Yes, sir.
 - Q And how does it -- the surface string cemented?
 - A 100 sacks -- top of cement 2,456.
 - Q Now, will you complete this well for salt water

disposal as shown on this exhibit?

- A Yes, sir.
- Q You will inject the water under a packer into the tubing?
- A Under a tension type packer, through internally coated tubing.
- Q And will the kenston-type tubing annulus be filled with an inert fluid?
 - A It will be loaded with treated water.
 - Q Will you put a pressure gauge at the surface?
 - A Yes, sir.
- Q Referring to Exhibit -- what has been marked as Exhibit No. 7, will you identify that exhibit?

MR. HATCH: I think we got the exhibits mixed up on the number. I think the sketch is Exhibit No. 5.

MR. KELLAHIN: The diagrammatic sketch was Exhibit No. 5, rather than 6. So, the next Exhibit will No. 6. Will you identify that exhibit?

A This is the well drilling record of the formation, from zero to 3851; total depth.

O And it showed the formation in which you will inject the water from 3,756 to 3,851?

- A Yes, sir.
- O What is that formation?
- A Seven Rivers.
- Q Now, referring to what has been marked as Exhibit No. 7; will you identify that exhibit?

I believe that's the right one.

A These are electricallogs for the Well No. 1;

J. H. Day No. 1 and No. 2. Perforations are marked at the top and bottom.

Q Mr. McCastler, Exhibit No. 7 would be the log on No. 1 wells?

- A Yes, sir.
- Q Now, what information is marked on that log?
- A The base of salt, at 3,293; top of the eight is 3,418; top of Seven Rivers is 3,659.
 - Q And the Seven Rivers; is that marked on the log?
 - A Yes, sir.
- Q Now, referring to what has been marked as Exhibit No. 8; would you identify that exhibit?

A That's form Cl08 -- Applicant -- 4 J. H. Day Well No. 2.

And what would be the injection interval on this well?

That would be 3,918 to 3,939; Seven Rivers formation.

And what volume of water do you anticipate you will inject into this well?

Approximately 30,000 barrels of water a month.

Will the 30,000 barrels a month you are referring to be injected into both wells, or do you anticipate to inject 30,000 into each well?

Well, we plan to complete Well No. 1 first, and then later on, the other one.

As the need arises; is this correct?

Yes, sir.

So you will inject up to 30,000 barrels in one well, is that correct?

Yes, sir.

So, you anticipate approximately, 30,000 barrels in the No. 2 well, also?

Yes, sir.

Will this water also come from leases in the vicinity?

- A Various leases; yes, sir.
- Ω And you don't know necessarily, what formation this water comes from?
 - A No, sir. There would be no way of knowing.
 - Q It will just be commercial water?
 - A Yes, sir.
- Q Now, referring to Exhibit No. 8, would you identify that exhibit?
- A It's a form Cl05, filed with the New Mexico
 Oil Conservation Commission.
 - Q That's on the Well No. 2?
 - A Yes, sir. J. H. Day Well No. 2.
- Q Referring to what has been marked as Exhibit No. 9: would you identify that exhibit; please; sir?
- A It's a diagrammatic sketch of the J. H. Day Well No. 2.
 - Q What is the cementing program on that well?
- A The surface casing, cemented 450 sacks, circulated on the top -- intermediate 600 sacks, circulated to surface, and the -- oil -- 175 sacks; top of the cement 2,490.
 - Q Now, how will you complete this well for

4

injection purposes, Mr. McCastler?

- A The same as number one, as in this case number one.
 - Q And that will be with a tension-type packer?
- A Yes, sir. Entirely coated tubing, and annulus loaded treated water pressure gauge top.
- Q Now, referring to what has been marked as Exhibit No. 9; would you identify that exhibit?
- A This is an electrical log of the well --MR. UTZ: We had better get our exhibit numbers

 straightened out. The last one was No. 10.

MR. KELLAHIN: All right. And the next one is No. 11.

MR. UTZ: Yes, sir.

MR. KELLAHIN: And that is the driller's log.

THE WITNESS: Driller's log; yes, sir.

MR. KELLAHIN: And that, again, reflects that the interval -- you will inject in from 3,918 to 3,939 feet, in the Seven Rivers --

A Yes, sir.

Q Now, referring to what has been marked as Exhibit No. 12; would you identify that exhibit?

A That is the electric log on J. H. Day Well No. 2 -- shows the base of the -- base of the salt and top of the eight formation; 3,543, and top of the Seven Rivers, 3,760.

Q Now, were Exhibits 1 through 12 prepared by you or under your supervision, Mr. McCastler?

A Yes, sir.

MR. KELLAHIN: At this time, I offer in evidence Exhibits 1 through 12, inclusive.

MR. UTZ: Without objection, Exhibits 1 through
12 will be entered into the record in this case.

(Thereupon, Applicant's Exhibits 1 through 12 were admitted in evidence.)

MR. KELLAHIN: Mr. McCastler, is there an urgent need in the vicinity of these wells in the area you propose to serve for salt water disposal?

A Yes, sir. They are.

Q Are there any well's shut-in, to your knowledge, as a result of the lack of the --

A No, sir.

Q Do you anticipate that there will be if this is not approved?

A Well, I doubt if they shut them in, I doubt

if they shut them in -- they would have to have -they would have to have some sort of disposing of it --

Is there an urgent need, though, for an immediate disposal system?

Yes, sir; there is.

MR. KELLAHIN: That's all I have on direct examination.

CROSS EXAMINATION

BY MR. UTZ:

- Mr. McCastler, on Exhibit No. 11, I don't really believe that shows your injection area, does it?
- And on your Exhibit No. 8, the interval would be 3,945, 3,958; and this goes to 3,848. Not that that makes any particular difference in the case, but I think you ought to show that part.
 - Is this on the No. 1 well, sir?
 - No; it would be on the No. 2 well. A
 - Okay.
- Exhibit No. 11. I think Mr. Kellahin asked you a question that shows that. Unless you can find something different there --

- A No, sir. You are right.
- Q Now, referring to Exhibit No. 10, did you say that the tubing would be internally coated, and treated water in the annulus?
 - A Yes, sir.
 - Q Would that be plastic-coated tubing?
 - A Yes, sir.
 - Q And is this true on the No. 1 well?
 - A Yes, sir.
- Q These intervals you spoke of here, include the Seven Rivers and the Queen?
 - A These Seven Rivers and part of the Queen.
 - Q The upper Queen?
 - A Yes, sir.

MR. UTZ; Any questions of the witness? You may be excused. Statements? The case will be taken under advisement.

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STATE OF NEW MEXICO)

Output

I, CA FENLEY, 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.

I do hereby centify that the foregoing is a complete record of the prospectage in the Exertiser hearing of Case No. 4, board by me on 1969.

Non Mexico Oil Conservation Commission



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

July 8, 1969

GOVERNOR
DAVID F. CARGO
CHAIRMAN

LAND COMMISSIONER ALEX J. ARMIJO MEMBER

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

	Re:	Case No. 4141	
r. Jason Kellahin	Ve:	Order No. R-3781	
ellahin & Fox		Applicant:	
ttorneys at Law cost Office Box 1769		McCasland Disposal System	
Lanta Po New Mexico			

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

Other State Engineer Offic	ce		_
Aztec OCC			
Artesia OCC			
Hobbs OCCx	•		
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Copy of order also sent to:			
ALP/ir		•	

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. 4141 Order No. R-3781

APPLICATION OF McCASLAND DISPOSAL SYSTEM 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 June 25, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

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

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, McCasland Disposal System, is the owner and operator of the Getty Oil Company J. H. Day Wells Nos. 1 and 2, located in Units C and D, respectively, of Section 6, Township 22 South, Range 36 East, NMPM, Jalmat Pool, Lea County, New Mexico.
- (3) That the applicant proposes to utilize said wells to dispose of produced salt water into the Seven Rivers formation, with injection into the intervals as follows:

The open-hole interval from approximately 3756 feet to 3851 feet in the Getty Oil Company J. H. Day Well No. 1, and

-2-CASE No. 4141 Order No. R-3781

The perforated interval from approximately 3918 feet to 3939 feet in the Getty Oil Company J. H. Day Well No. 2.

(4) That the injection should be accomplished through:

2 3/8-inch plastic-lined tubing installed in a packer set at approximately 3700 feet in the Getty Oil Company J. H. Day Well No. 1, and

2 3/8-inch plastic-lined tubing installed in a packer set at approximately 3680 feet in the Getty Oil Company J. H. Day Well No. 2;

that the casing-tubing annulus of each of the subject wells should be filled with an inert fluid; and that a pressure gauge should be attached to the annulus of each of the subject wells 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, McCasland Disposal System, is hereby authorized to utilize the following-described wells, located in Units C and D, respectively, of Section 6, Township 22 South, Range 36 East, NMPM, Jalmat Pool, Lea County, New Mexico, to dispose of produced salt water into the Seven Rivers formation:

Getty Oil Company J. H. Day Well No. 1, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 3700 feet, with injection into the open-hole interval from approximately 3756 feet to 3851 feet, and

Getty Oil Company J. H. Day Well No. 2, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 3680 feet, with injection into the perforated interval from approximately 3918 feet to 3939 feet;

PROVIDED HOWEVER, that the tubing of each of the subject wells shall be plastic-lined; that the casing-tubing annulus of

-3-CASE No. 4141 Order No. R-3781

each of the subject wells shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus of each of the subject wells at the surface in order to determine leakage in the casing, tubing, or packer.

- (2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO OTA CONSERVATION COMMISSION

DAVID F. CARGO, Chairs

ALEX J. ARMIJO, Member

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

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 Perrose 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, 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, 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, Reosevelt 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 L of Section 30, Roosevelt County, New Mexico.

- 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 CASE 4232: "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.
 - 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 CASE 4233: 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.
 - 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 Sec-CASE 4234: tion 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.
 - Application of Continental Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the abovestyled cause, seeks authority to institute a waterflood project on its Jack A-29 lease by the injection of water CASE 4235: into the Seven Rivers-Queen formations through its Jack A-29 Wells Nos. 2 and 4 located, respectively, in Unit and O of Section 29, Township 24 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico.

CASE 4236: Application of Continental wil 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

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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 -5-

CASE 4223:

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

Leard 5-21-69 Kec. 5-23-69. Grant Mc Carland permission to Consist 2 wells to 5 uD's. Wills with Hetty - A H. Day 4/ C-b-225-36 E. + g. H. Dy #2 D-4-225-3,6 E. sa shall be injected into the 15. R. tupper Duren for that taking platter couley tuting ender a packer. The injection internal on the #1 open bole, 3756-3851 + the # 2 openhole 3918-3839 approte 30,000 B5NPP will be injected mit each

Docket No. 15-69

EXAMINER HEARING - WEDNESDAY - MAY 21, 1969 9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,

STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. CASE 3405:

(Continued from the May 7, 1969 Examiner Hearing) In the matter of Case No. 3405 being reopened pursuant to the provisions of Order No. R-3081, Which order established 640acre spacing for the North Indian Hills-Morrow Gas Pool, Eddy County, New Mexico, for a period of one year after first pipeline connection in the pool. All interested parties may appear and show cause why said pool should or should not be developed on 320-acre spacing units.

CASE 4131: Application of Gulf Oil Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle production from the Jalmat and South Eunice oil pools, Lea County, New Mexico, in the wellbores of six wells located as follows:

Arnott Ramsay (NCT-D) Well No. 6 - Unit K - Section 33 TOWNSHIP 21 SOUTH, RANGE 36 EAST Arnott Ramsay (NCT-D) Well No. 7 - Unit M - Section 33 Arnott Ramsay (NCT-D) Well No. 8 = Unit N - Section 33 Arnott Ramsay (NCT-D) Well No. 9 - Unit L - Section 33 J. F. Janda (NCT-B) Well No. 4 - Unit 0 - Section 32

TOWNSHIP 22 SOUTH, RANGE 36 EAST

J. F. Janda (NCT-F) Well No. 8 - Unit C - Section 4 Application of Pan American Petroleum Corporation for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for three wells located in Unit D, E, and P of Section 27, Township 18 South, Range 31 East, Shugart Field, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of salt water produced in two unlined surface pits located in the E/2 of said Section 27.

- CASE 4133: Application of Skelly Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the West Dollarhide Drinkard Unit Area comprising 3,533.52 acres, more or less, of Fee, Federal, and State lands in Townships 24 and 25 South, Range 38 East, Lea County, New Mexico.
- CASE 4134: Application of Skelly 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 West
 Dollarhide Drinkard Unit Area by the injection of water into
 the Tubb-Drinkard formation through 43 wells located in Townships 24 and 25 South, Range 38 East, Dollarhide Tubb-Drinkard
 Pool, Lea County, New Mexico, Applicant further seeks a
 procedure whereby said project may be expanded administratively
 without a showing of well response.
- CASE 4135: Application of Roy E. Kimsey, Jr. for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of cil or gas or both, on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the P. R. Bass-Federal Well No. 1 located in Unit F of Section 3, Township 16 South, Range 30 East, West Henshaw Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located near said well.
- CASE 4136: Application of Mallard Petroleum, Inc. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates formation in the interval from 3606 feet to 3627 feet in its Milner Federal Well No. 4 located in Unit C of Section 35, Township 20 South, Range 34 East, Lynch Pool, Lea County, New Mexico.
- CASE 4137: Application of Atlantic Richfield Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the East Shugart Unit Area comprising 1359.40 acres, more or less, of Federal and State lands in Townships 18 and 19 South, Range 31 East, Eddy County, New Mexico.

- CASE 4138: Application of Atlantic Richfield Company for a waterflood project and unorthodox injection well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Yates-Seven Rivers-Queen formations through 11 wells in Townships 18 and 19 South, Range 31 East, Shugart Pool, Eddy County, New Mexico. Applicant further seeks an exception to permit the drilling of one of said wells at an unorthodox location 100 feet from the South line and 990 feet from the West line of Section 35, Township 18 South, Range 31 East.
- CASE 4139: Application of Allied Chemical Corporation for a unit agreement, Roosevelt County, New Mexico. Applicant, in the abovestyled cause, seeks approval of the Milnesand (San Andres) Unit Area comprising 5370.18 acres, more or less, of Federal and Fee lands in Township 8 South, Ranges 34 and 35 East, Roosevelt County, New Mexico.
- CASE 4140: Application of Allied Chemical Corporation for a waterflood project, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its Milnesand (San Andres) Unit Area by the injection of water into the San Andres formation through 33 wells located in Township 8 South, Ranges 34 and 35 East, Milnesand-San Andres Pool, Roosevelt County, New Mexico. Applicant further seeks a procedure whereby said project may be expanded administratively without a showing of well response.

- CASE 4141: Application of McCasland Disposal System for salt water disposal, Lea County, New Mexico. Applicant, in the abovestyled cause, seeks authority to dispose of produced salt water into the Seven Rivers formation in the intervals from approximately 3756 feet to 3851 feet and from approximately 3918 feet to 3939 feet, respectively, in the Getty Oil Company J. H. Day Wells Nos. 1 and 2, both located in the NW/4 of Section 8, Township 22 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.
- CASE 4142: Application of Tamarack Petroleum Corporation, Inc., for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water by injection into the Queen formation in the interval from 4946 feet to 5040 feet in its Cabot 15 State Well No. 2 located in Unit P of Section 15, Township 19 South, Range 35 East, Pearl-Queen Pool, Lea County, New Mexico.

Examiner Hearing - May 21, 1969

Docket No. 15-69

CASE 4143: Application of Amerada Petroleum Corporation for downhole commingling and special gas-oil ratio limitation, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle production from the Eumont Gas Pool and the Skaggs-Grayburg Pool in the wellbore of its Fred Turner, Jr., "A" Well No. 2, the Eumont completion of which is presently classified as a gas completion, located in Unit K of Section 18, Township 20 South, Range 38 East, Lea County, New Mexico. Applicant, further seeks the establishment of a special gas-oil ratio limitation for the subject well.

(Continued from the May 7, 1969 Examiner Hearing) Application of Roger C. Hanks for special pool rules, Lea CASE 4121: County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the Bar U-Pennsylvanian Pool, Lea County, New Mexico, including a provision for 160-acre spacing and proration units and the assignment of 80-acre allowables.

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NE/4 NW/4 Sec. 6, T22S, R36E
J. H. Day No. 2 SWD
NW/4 NW/4 Sec. 6, T22S, R36E
Lea County, New Mexico

·scale 1" = 4000'

STATE OF NEW MEXICO \$10,000.00 BLANKET PLUGGING AND INDEMNITY BOND

		BOND NO. 3834071
		BEFORE EXAMINER UTZ
lote: File with Oil Conservation Com	mission, Santa Fe	OF COURSEKANION COMMITTEEN
OW ALL MEN BY THESE PRESENTS:	·	applicate EXHIBIT NO. 2
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nutharterdxtaxdaxbusinessxinxtbexstatexafxdewxdexxtexxx as IRINCIPAL, and HARTFORD ACCIDINT & INDEMNITY COMPANY, a corporation-organized and existing under the laws , and authorized to do business in the State Connecticut of New Mexico with duly annointed resident agent licensed in the State of New Mexico to execute this bond on behalf of the surety company, as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Commission of New Mexico pursuant to Section 65-3-11, New Mexico Statutes Annotated, 1953 Compilation, es amended, and for the use and benefit of purchasers holding purchase contract or deed to State lands, with minerals reserved, their grantees or successors in interest, pursuant to Section 7-11-20, New Mexico Statutes Annotated, 1953 Compilation, as smended, in the sum of Ten Thousand (\$10,000.00) Dollars lawful money of the United States, for the payment of which, well and truly to be made, said IRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that:

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO_2) gas leases, or helium gas leases with the State of New Mexico; and

WHEREAS, Said leases were entered into by the said principal, subject to the requirements of the provisions of Section 7-11-20, New Mexico Statutes Annotated, 1953 Compilation, as amended; and

WHEREAS, All or part of the lands embraced in said leases have been sold, with minerals reserved to the State of New Mexico, to various purchasers who hold limited patents from the State of New Mexico or State purchase contracts; and

WHEREAS, The above principal, individually, or in association with one or more other parties, has commenced or may commence the drilling of wells to prospect for and produce oil or gas, or carbon dioxide (CO₂) gas or helium gas, or does own or may acquire, own or operate such wells, or such wells started by others on land embraced in said State oil and gas leases, or carbon dioxide (CO₂) gas leases, or helium gas leases, and on lands patented by the United States of America to private individuals, and on lands otherwise owned by private individuals, the identification and location of said wells being expressly waived by both principal and surety hereto.

NON, THEREFORE, If the above bounden principal and surety or either of them or their successors or assigns, or any of them, shall plug all of said wells when dry or when abandoned in accordance with the rules, regulations, and orders of the Oil Conservation Commission of New Mexico in such way as to confine the oil, gas, and water in the strata in which they are found, and to prevent them from escaping into other strata;

AND FURTHER, If the above bounder principal and surety or either of them or their successors or assigns, or any of them, upon demand shall make good and sufficient recompense, satisfaction or payment unto the holders of State purchase contracts or holders of patents for State lands, with minerals reserved to the State, their heirs, executors, administrators, successors and assigns, for all damages to the livestock, range, water, crops or tengible improvements on such lands as may be suffered by such purchasers or their successors in interest, by reason of such developments use or occupancy of such lands by such lessed or principal, or for such damages as a court of competent jurisdiction may determine and fix in any action brought on this bond;

THEN, THEREFORE, This obligation shall be null and void; otherwise and in default of complete compliance with any and all of said obligations, the same shall remain in full force and effect.

IROVIDED, HOWEVER, That thirty (30) days after receipt by the Oil Conservation Conmission of New Mexico of written notice of cancellation from the surety, the obligation of the surety hereunder shall terminate as to property or wells acquired, drilled, or started after said thirty (30) day period but shall continue in effect, notwithstanding said notice, as to property or wells theretofore acquired, drilled, or started.

	,					
Signed and sealed	this 16th	day of	May	 19_	69	

Pallas McCasland d/b/a McCasland Disposal PRINCIPAL	SURETY
	·-12 / 1
By Charles 120 Constant	By //s/e /inte
Signature Dallas McCasland Title	Mike Tinley Attorney-in-Fact
(Note: Frincipal, if corporation, affix corporate seal here.)	(Note: Corporate surety affix corporate seal here.)
(Note: If corporate surety executes this the resident New Mexico agent shall	bond by an attorney-in-fact not in New Mexico, l countersign here below.)
Countersigned by: DANIELS INSURANCE, INC.	
() D. Daniels.	Box 1258, Hobbs, New Mexico 88240
New Mexico Resident Agent	Address
* * * * * * * * * * * * * * Acknowledgmen	nt Form for Natural Persons ******
COUNTY OF Lea) 85.	
Dallas McCasland'	to me known to be the person (persons) described nt and acknowledged that he (they) executed the
	set my hand and seal on the day and year in this
certificate first above written.	1) - 4
	Hatsy Kaye Cargile Notapy Fublic
My Commission expires 9-27-70	Notaby Fuolicy
* * * * * * * * * * * * * Acknowledgment]	Form for Corporation * * * * * * * * * * * *
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reactiona Accident and Indemnity Company

HARTFORD, CONNECTICUT

3811

POWER OF ATTORNEY

Know all men by these Presents, That the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a corporation duly organized under the laws of the State of Connecticut, and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, does hereby make, constitute and appoint

MIKE TINLEY,

of HOBBS, NEW MEXICO,

its true and lawful Attorney(s)-in-fact, with full power and authority to each of said Attorney(s)-in-fact, in their separate capacity if more than one is named above, to sign, execute and acknowledge any and all bonds and undertakings and other writings obligatory-in-the-nature-thereof on behalf-of-the-company in its business of guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; guaranteeing the performance of insurance contracts where surety bonds are accepted by states and municipalities, and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed.

in penalties n	ot exceeding	the sum of ONE	HUNDRED THOUSAND	DOLLARS
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and to bind the HARTFORD ACCIDENT AND INDEMNITY COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the HARTFORD ACCIDENT AND INDEMNITY COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-fact may do in pursuance hereof.

This power of attorney is granted under and by authority of the following By-Law adopted by the Stockholders of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 10th day of February, 1943.

ARTICLE IV

SECTION 8. The President or any Vice-President, acting with any Secretary or Assistant Secretary, shall have power and authority to appoint, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-fact and at any time to remove any such Resident Vice-President, Resident Assistant Secretary, or Attorney-in-fact, and revoke the power and authority given to him.

SECTION 11. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company and to attach the seal of the Company thereto any and all bonds and undertakings, and other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-fact shall be as binding upon the Company as if signed by an Executive Officer and sealed and attested by one other of such Officers.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 13th day of March, 1956.

RESOLVED, that, whereas the President or any Vice-President, acting with any Secretary or Assistant Secretary, has the power and authority to appoint by a power of attorney, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Assistant Secretaries and Attorneys-in-fact;

Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

In Witness Whereof, the HARTFORD ACCIDENT AND INDEMNITY COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereto affixed, duly attested by its Secretary, this 3rd day of March, 1966.

Attest:

HARTFORD ACCIDENT AND INDEMNITY COMPANY



Secretary

Vice-President

STATE OF CONNECTICUT, COUNTY OF HARTFORD,

On this 3rd day of March, A. D. 1966, before me personally came C. M. O'Dowd, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice-President of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

STATE OF CONNECTICUT,

COUNTY OF HARTFORD,

CERTIFICATE

Notary Public My commission expires March 31, 1967

I, the undersigned, Assistant Secretary of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a Connecticut Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force and has not been revoked; and furthermore, that Article IV, Sections 8 and 11, of the By-Laws of the Company, and the Resolution of the Board of Directors, set forth in the Power, of Attorney, is now in force.

Signed and scaled at the City of Hartford. Dated the

H. Sac

16th

19 69



Assistant Secretary

Form S. 3507-4 Printed in U. S. A. 1-66

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR	· · · · · · · · · · · · · · · · · · ·		ADDRESS		
McCasland Dispos	al System		Box 206	, Eunice, New 1	lexico
•		WELL NO.	FIELD	• •	COUNTY
J. H. Day			Bunice	7 Rvrs - Queen	South Lea
UNIT LETTER	^	ELL IS LOCATED 6	50 FEET FROM	THE North LINE A	1980 FEET FROM TH
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LINE, SECTION	6	WNSHIP 225 CASING	AND TUBING DATA	ŃMPM.	
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SURFACE CASING	10 0/411	0.501	000		
NTERMEDIATE	10-3/4"	258'	200	circulated	
	7-3/8"	3259'	700	200'	calculated
ONG STRING					
UBÍNG	5-1/2"	3756'	100	2456	calculated
	2-3/8"	3700'	Baker Mode		Tension Packer
AME OF PROPOSED INJECTION FOR		<u> </u>	TOP OF FORMAT		TOM OF FORMATION
Seven Rivers -	Queen	DEREGRATIONS		13 DOSED INTERVAL (S) OF INJECTIO	3851'
Tubing	hadron vallacias	Open he	· · · · · · · · · · · · · · · · · · ·	3756' - 3851'	
S THIS A NEW WELL DRILLED FOR	IF ANSWER 1		SE WAS WELL ORIGINALL	Y DRILLED? HAS	WELL EVER BEEN PERFORATED IN A
No		011	·	710	No No
the state of the s	ACS AND SACKS OF C	MENT USED TO SEAL O	FF OR SQUEEZE EACH		
Not applicable EPTH OF BOTTOM OF DEEPEST RESH WATER ZONE IN THIS APEA		DEPTH OF BOTTOM OF		DEPTH OF TOP OF	NEXT LOWER
225 *	x2+ 5	371	5	- est. 4000	
NTICIPATED DAILY MINIMUM NIECTION VOLUME BOLS.)	I MAXEMUM		P	S INJECTION TO BE BY GRAVITY RESSURE?	OR APPROX. PRESEURE (PS1)
500 NOWER YES OR NO WHETHER THE F RALIZED TO SUCH A DEGREE AS TO	OLLOWING WATERS A	CLOS	TO BE DISPOSED OF N	Gravity ATURAL WATER IN DISPO- ARE	WATER ANALYSES ATTACHED?
TOCK, IRRIGATION, OR OTHER GENE	RAL USE -	1	Yes	Tes	No
AME AND ADDRESS OF SURFACE OW	NER (OR LESSEE, IF	STATE OR FEDERAL LAN	0)		
T. Tivis Box IST NAMES AND ADDRESSES OF AL Continent al Oil	72, 011 Ce	DEST NOV	THIS INJECTION WELL	L. N. Mary Mary day	00040
Cities Service					
Gulf Oil Compan				bbs, New Mexico	
Tenneco 011 Com	pany			** *	nd, Texas 79701
L. F. Peterson Rainh L. Clarke				g, Fort Worth, obbs. New Hexic	
Barnett & Recto	r			swell, New Hox	
Late 011 Compan	y (** र्षे	P 0 1		San Angelo, Te	
· ·	· • • • • • • • • • • • • • • • • • • •				
AVE COPIES OF THIS APPLICATION ENT TO EACH OF THE FOLLOWING?	BEEN SURFACE GW	NER	EACH OPERATOR	WITHIN ONE-HALF MILE	
RE THE FOLLOWING ITEMS ATTACH	ED TO PLAT OF ARE	Yes	ELECTRICAL LOG	Yes	GRAMMATIC SKETCH OF WELL
HIS APPLICATION (SEE RULE 701-	B) I	Yes	1	, , , , , , , , , , , , , , , , , , ,	Yes
I hereby	certify that the in		true and complete to	the best of my knowledge	
				and oder of my unconsents	
i KHHI IUH	CIRA GLA	ER UTZ			5-1-69
			-70.2		'D •
OIL CONSE	RVATION C	HOISSIM	(Title)		(Date)
OH CONST	RVATION C	JAMISSION all Revalors within	one-half mile of the	proposed injection well not o	ecompany this application, the M
OH CONST	RVATION C	JAMISSION all Terators wither old the spullemin 19	one-half mile of the r a period of 15 days f		(Date) ccompany this application, the M cCommission's Santa Fe office processed. If a protest is receiv

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Santa Fo	Now Marica
	BEFORE EXAMINER UTZ
	OIL CONSERVATION COMMISSION
WELL R	CORPORTEXHIBIT NO. 4
	CASE NO. 4141

DEPTH CLEARED OUT

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE:

J.U.		Con	npany or Op	crator Woll No	1	<u> </u>	to NWY	of	Seci	Addres 6		, T	22		İ
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CASE NO.

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McCasland Disposal System Diagrammatic Sketch of Salt Water Disposal Well J. H. DayNo. 1 SWD

NE/4-NW/4Soc. 6 -T22S-R36E

Loa County, New Mexico

258' - 10-3/4" O.D. Casing 200 sack cement - circulated

Casi Circuli

3259' - 7-5/8" O.D. Casing 700 sacks cement - top of cement into surface casing.

2-3/8" x 5-1/2" Tension Packer set on 3700' 2-3/8" 0.D. Tubing

3756' - 5-1/2" O.D. Casing 100 sacks cement - top cement @ 24561

Salt water disposal Interval Zone 3756' - 3851' Seven Rivers -Formations

CHE CCINSERVATION COMMISSION
RAPPLANDE EXHIBIT NO. S
CASE NO. 4/4/ BEFORE EXAMINER UTZ

RECORD OF FORMATIONS

J. H. Day #1

			J. H. DE	
		To	Thickness in Fe	et Formation
	From	10		
	•	40	40	Caliche
-:	0	100	60 .	Sand
	40		125	Sand & Shells
	100	225	39	Red Bed & Red Rock
.4*	225	264	41	Red Bed & Shells
	264	305	45	Hard Lime
	305	350	50	Shale & Shells
	350	400	95	Red Rock & Shells
	400	495		Red Bed & Red Rock
	495	700	205	Pod Red
	700	945	245	Lime Shells & Red Rock
	945	1102	157	Red Rock & Shells
4,	1102	1621	519	Red Rock & Lime Shells
		1720	99	Red Rock & Dime
	1621	1750	30	Anhydrite
	1720	1830	80	Salt Pock
	1750		15	Anhydrite & Red Rock
	1830	1845	100	Salt & Anhydrite
	1845	1945	180	Anhydrite & Red Bed
	1945	2125	144	Salt & Anhydrite
	2125	2269		Labudrite & Red ROCK
	2269	2364	<u>.</u> 95	Salt & Streaks of Potas
	2364	2537	173	Salt & Potash
	2537	2818	281	Anhydrite
	2818	2853	3.5	Salt
	2853	2880	27	Anhydrite
	2880	2893	1.3	
		2928	36	Salt
	2893	2945	17	Anhydrite
	2928		60	Salt
	2945	3005	7	Anhydrite
	3005	3012	23	Salt
	3012 .	3035	15	Anhydrite
	3035	3050	144	Salt
	3050	3194	34	Salt & Anhydrite
	3194	3228`	32	Anhydrite
	3228	3260		Lime & Anhydrite
	3260	3278	18	Lime (Hard Gray)
	3278	3715	437	Broken Lime
	3715	3728	13	Lime (Brown)
	3728	3735	7	Broken Lime
		3741	• 6	Broken Line
	3735	3813		Lime (Brown)
	3741		5	Sand
	3813	3818	5	Sandy Lime
	3818	3823	5	Lime (Brown)
	3823	3828		Sand
	3828	3833	10	Lime
	3833	3843	•	Lime. Total Depth
	3843	3851	8	

BEFORE EXAMINER UTZ
CIL CONSERVATION COMMISSION

MAJORICAL EXHIBIT NO. 6

CASE NO. 4141

NEW MEXICO OIL CONSERVATION COMMISSION WATER BY INJECTION INTO A POROUS FORMATION

	NEW M	EXICO OIL CON	SERVALION -	TO A POROUS FORM	ATION
	NEW	OF SALT WATER	BY INJECTION IN	TO A POROUS FORM	
ADDI IC	ATION TO DISPOSE	OF SALT	LADDRESS	206, Eunice,	New Mexico
APPLIC			A ROX	206, Eunice,	COUNTY
			P. O. DOA	Can	th Lea
McCasland Dist	osal System	WELL NO.	7 7 7	Rvrs Queen Sou	<u></u>
McCasland Dist	7001	2	Eunice -		990 FEET FROM THE
EASE HAME			FEET FROM THE	North LINE AND -	
J. H. Day		. 660	FEET FROM THE	K U :	
OCATION	D; WELL	IS LOCATED 660		NMPM.	
UNIT LETTER			wer 3015		TOP DETERMINED BY
	6 TOWN	SHIP 225	AND TUBING DATA	TOP OF CEMENT	
West LINE, SECTION	ON U	SETTING DEPTH	SACKS CEMENT		
	SIZE	SETTING		circulated	
NAME OF STRING			450	Chresin	calculated
SURFACE CASING	13"	280'		200'	calculated
		17021	600	2490'	Carcuz
INTERMEDIATE	9-5/8"	1703'	175	1 27081	
	711	3765'	50		na stor
LONG STAINS	511	3959	NAME, MODEL AND DEPTH	Tens:	TOM OF FORMATION
Liner			1 . wodel	AD 1 BO	11***
TUBING	2-3/8"	3680'			3960'
•	Z-370		3792	SED INTERVALIST OF INJECTIO	The Die Black
NAME OF PROPOSED INJECTIO	ON FORMALIS		ONS OR OPEN HOLE! PROPO	2065' - 3958'	DEEN PERFORATED IN ANY
Seven Rivers		PERFORATI		3945' - 3958'	AS TATUER THAN
Seven Rivers	NG, CASING OR	Open	hole	Y DRILLED!	ION ZONE? Yes
muh 1	12 LE ANSWER	IS NO, FOR WHAT PUR			and the same of th
Tub1 IS THIS A NEW WELL DRILL DISPOSAL? NO LIST ALL SUCH PERFORAT		101101	1 SOUEEZE EACH	_	s cement
DISPOSAL?	011 500X5.9	F CEMENT USED TO SE	AC 07.	with 75 sack	OF NEXT LONGE
NO SUCH PERFORAT	ED INTERVALS AND	sol, cauce	zed 3945 - JU	OIL OR GAS ZO	RE IN THIS AREA RE IN THIS AREA A 000 1 A PPROX. PRESSURE (PSI)
			Zed 39451-581	Grayhur IS INJECTION TO BE BY GRAY PRESSURE?	ITY OR APPROX. PRES
USPR 3918'-	EPEST			IS INJECTION TO	O TOUED?
DEPIN YOUR ZONE IN YO	••		CLOSED TYPE SYSTEM	Gravity OISPO.	ARE WATER ANALYSES ATTACHED?
667	NIMUM		close DISPOSED OF	NATURAL WATER IN DISPO-	No
ANTICIPATED DALLY INJECTION VOLUME (BBLS.)	500 1 1	500	WATER TO BE DIST	Yes	1
(BBLS.)	THER THE FOLLOWING WATE	DOMESTIC.	Yes	1	
ANSWER YES OR NO WHE ERALIZED TO SUCH A DE STOCK, IRRIGATION, OR	OTHER GENERAL USE -	TE STATE OR FEDER	TAL LAND!		
			New Mexico	Hobbs, New Mex	cico 88240
NAME AND ADDRESS	BOX 72 O ESSES OF ALL OPERATORS Of all Oil Compar	11 Center	MILE OF THIS INJECTION	obbs, New Mex New Mex Hobbs, New Me	98240
. 1	IC BUA	WITHIN OIL	U ROY To,	obbs, New Mex. Hobbs, New Me to Building, M	100 00240
LIST NAMES AND AGOR	al Oil Compar		O ROX 69, "	New Me	X100 79/01
Concin	011 Co	mpany F.	0 Box 670,	Hobbs; M	idland, 16102
Cities Se	rvice or U.	S	th Rloor-Wild	o Bulland Wor	th, Texas
Culf 011	Company - U.	18	troleum Buile	ding, Fort Wor Hobbs, New F Roswell, New	Mland, Texas th, Texas 76102 Texico 88240 Mexico 88201
		Pe	O Box 2310	Hoods, New	Mexico 00202
		Р.	0. Box 670.	Hobbs, New Noswell, New 1, San Angelo	Texas /0901
		P .	0. BOX	1. San Ango-	
Karpin		P	. 0. Drang-	PERATOR WITHIN ONE-HALF MI	LE
Barnece	Company		TEACH OF THIS	WELL	DIAGRAMMATIC SKETCH OF WELL
Late UL	HIS APPLICATION BEEN SITHE FOLLOWING?	URFACE OWNER	· ·		DIAGRAMMATIC
COPIES OF T	HIS APPLICATION BEEN	Voc	ELECTR	ICAL LOG	Yes
SENT TO EACH OF		LAT OF AREA	1	Yes	Leaviedge and belief.
FOLLOWI	NG ITEMS ATTACHED TO F	Vac		notete to the best of my	Kuomioas
THIS APPLICATION		1es	n above is true and cor	np	5-1-69
	I hereby certify	that the intermation		Yes	(Date)
	I Herony		Cwner	Title)	(Date) on well not accompany this application, to ecceipt by the Commission's Santa Fe of ation will be processed. If a protest is realised to the ecceipt by the Commission of the ecceipt by t
	The same of the sa	- IFD 1177		aniection	on well not accompany this approved the commission's Santa Fe of ecceipt by the Commission will be processed. If a protest is real to the commission will be processed.
	- ANE EXAM	INEK OIL	within one-half n	tile of the proposed in the date of	eceipt by the Commission of a protest is re
RE	FOKE "EALT	CONTINUES TO	Mions within for a period o	of 15 days from the applic	ation will be process-
Sharid	WHIRETTVATION	nission will hold the	applitution received by the	Santa re office,	
NOTA: Salla	CONSETTVATION CONTROL COMP Delia Consequence Del	No pod no Cotest h	as of requests. SEE RL	ILE 701.	
Mexic	Physperia S XMIDAIN	hearing, if the applic	Cities and		
1 2	supration will be	4			
\ eA	SE NO	Name and Address of the Owner, where the Owner, while the		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

FORM C-102 N. NEW MEXICO OIL CONSERVATION COMMISSION BEFORE EXAMINER UTZ OIL CONSERVATION COMMISSION applicate EXHIBIT NELL HECORD CASE NO. 4141 Mail to Oil C agent not more than twenty days after completion of well. Follow in the Rules and Regulations of the Commission. Indicess ques by following it with (?). SUBMIT IN TRIPIMENTS. AREA GIO ACRES
LOCATE WELL CORRECTLY Tide Water Associated Oil Company. Box 731-Tulna, Okla J.H. Day आर्य 36" South Eunice Floid, . B teet west of the East line of Section 6-22-36 foot south of the North line and_ If State land the oil and gas lease is No. James H. Day If patented land the owner is_ If Government land the permittee is.
Tide Water Associated Oil Company Box 731-Tulsa, Okla. 1/30/38 3/5/38 H. W. Bass Drilling Co. Dallas, Texas Elevation above sea level at top of casing The information given is to be kept confidential until_ 3843 OIL SANDS OR ZONES 3801 No. 1, from IMPORTANT WATER SANDS Include data on rate of water fullow and elevation to which water rose in hole. CASING RECORD KIND OF CUT & FILLED FROM WEIGHT PMR FOOT THURADS PER INCH AMOUNT MAKE Ë 261 TP Surface String 13"00 ક Larkin 9-5/8"00 1701 Salt String 10 フックロ ରପ 37861 Oil Stribg 2-3/8"0D-4.7 10 Tubing set on bottom W/Robinson HP Gas Packer set at 3781' W/perforation below. MUDDING AND CEMENTING RECORD SIZE OF SIZE OF CASING NO. SACKS OF CUMENT MUD GRAVITY WHERE SET METHOD USED AMOUNT OF MUD USED 450 13"00 280 Halliburton 11% Hole Full 2-5/8 1703 600 8-3/4 7 OD 3765 175 PLUGS AND ADAPTERS

Length

Denth Set

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- 5/4	/ OD	2109	175			. 77	-		**)
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Address__

FORMATION RECORD

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McCasland Disposal System Diagrammatic Sketch of Salt Water Disposal Well

J. H. Day No. 2 SWD

NW/4-NW/4 Sec. 6-T22S-R36E

Lea County, New Mexico

280' - 13" O.D. Casing 450 sacks cement - circulated

1703' - 925/8" O.D. Casing 600 sacks cement - top cement into surface casing

BEFORE EXAMINER UTT OIL CONSERVATION COMMI application NO. 10

CASE NO. 4141

2-3/8" x 7" Tension Packer set on 3680' 2-3/8" 0.D. tubing

3765' - 7" O.D. casing 175 sacks cement - top cement @ 2490'

251' - 5" 0.D. liner set on packer @ 3708', cemented with 50 sacks

Salt water disposal interval.
Zone 3918' - 3939', 7-Rvrs formation

3765 3708 251

Total Depth 3959

RECORD OF FORMATIONS

	From	To	Thickness in Feet	Formation
	From	10	THICKNESS IN FEEL	rotmation
	0	85	85	Caliche)
	85:	130	45	Sand
	130	250	120	Red Bed & Shells
	250	282	32	Red Bed & Red Rock
	282	289	7	Red Bed & Red Rock
	289	320	31	Red Bed & Gravel
	320	352	32	Blue Shale
	352	360	8	Lime
	360	365	· · · · · · · · · · · · · · · · · · ·	Shale
	365	590	225	Red Bed & Red Rock
	590	630	40	Red Bed & Shells
	630	725	95	Red Bed
	725	815	90	Red Bed & Red Rock
	815	870	55	Red Rock
	870	915		Red Bed & Blue Shale
			45	
	915	950	35	Red Bed
	950	969	19	Shale & Shells
	969	1018	49	Red Bed & Red Rock
	1018	1085	67	Red Rock & Shale
	1085	1140	55	Red Bed & Red Rock
	1140	1180	40	Red Rock & Blue Shale
	1180	1202	22	Red Rock
	1202	1227		Red Bed & Red Rock
	1227	1261	34	Red Bed
	1261	1365	4	Red Bed & Red Rock
	1365	1408	43	Red Bed
	1408	1460	52	Red Rock
	1460	1494	·34	Red Bed & Shells
	1494	1680	186	Red Rock
	1680	1712	32	Anhydrite
	1712	1722	10	Anhydrite
	1722	1740	. 18	Anhydrite & Salt
	1740	1998	258	Salt
	1998	2160	162	Salt, Anhydrite & Potash
	2160	2260	100	Salt & Anhydrite
	2260	2585	325	Salt
	2585	2600	15	Anhydrite
	2600	2630	30	Salt
•	2630	2645	15	Anhydrite
	2645	2830	185	Salt
	2830	3105	275	Salt & Anhydrite
	3105	3124	19	Anhydrite
	3124	3268	144	Salt
	3268		34	
	3302	3302		Salt & Anhydrite
		3410	108	Anhydrite
	3410	3526	116	Lime & Anhydrite
	3526	3659	, 133	Lime (Gray)
	3659	3663	4	Sandy Lime (Gas)
	3663	3740	77	Lime (Gray)
	3740	3757	17	Sandy Lime (Gas)
	3757	3784	27	Lime (Gray & Brown)
	3784	3792	8	Lime Hard
	3792	3801	9	Lime (Some Saturation)
	3801	3821	20	Lime brown (Oil)
	3821	3835		Sandy Lime
	3835	(3848		Lime Hard (Oil) TD
		<u></u>	395 8	

OIL CONSERVATION COMMISSION

Applicab EXHIBIT NO. 11

BEFORE THE OIL CONSERVATION COMMISSION OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF MCCASLAND DISPOSAL SYSTEM FOR APPROVAL OF SALT WATER DISPOSALLEA COUNTY, NEW MEXICO

Case 4/4/

APPLICATION

Comes now McCasland Disposal System, Eunice, New Mexico, and applies to the Oil Conservation Commission of New Mexico for approval of the disposal of salt water and produced oil field brines in the Jalmat Pool, Lea County, New Mexico, and in support thereof would show the Commission:

- 1. Applicant proposes to convert the Getty Oil Company

 J. H. Day Wells No. 1 and No. 2, located in the NW/4 of Section

 8. Township 22 South, Range 36 East, N.M.P.M., Lea County, New

 Mexico, for disposal of salt water and produced brines.
- 2. Disposal in the No. 1 well will be in an open-hole interval in the Seven Rivers formation from 3756 feet to 3851 feet. Disposal will be through internally coated tubing, under a packer, and the casing-tubing annulus will be filled with an inert fluid, with the casing-tubing annulus either open at the surface or equipped with a pressure guage.
- 3. Disposal in the No. 2 well will be through the perforated interval from 3918 feet to 3939 feet, in the Seven Rivers formation. Disposal will be through internally coated tubing, under a packer, and the casing-tubing annulus will be filled with an inert fluid, with the casing-tubing annulus either open at the surface or equipped with a pressure guage.
- 4. It is anticipated that approximately 30,000 barrels of water will be injected in the two wells, per month.
- 5. The proposed disposal wells are located within two miles of wells that are producing or have produced from the Seven Rivers

DOCKET MANEE

Det 5-9-69

formation.

WHEREFORE applicant prays that this application be set for hearing before the Commission or the Commission's duly appointed examiner, and that after notice and hearing as required by law, this application be approved.

> Respectfully submitted, McCasland Disposal System

KELLAHIN & FOX
P. O. Box 1769
Santa Fe, New Mexico

Attorneys for Applicant

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:

STYL

CASE No. 4141

Order No. R-378/

APPLICATION OF McCASLAND DISPOSAL SYSTEM 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 May 21, 1969 at Santa Fe, New Mexico, before Examiner Elvis A. Utz

NOW, on this day of May 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, McCasland Disposal System, is the owner and operator of the Getty Oil Company J. H. Day Wells Nos. Unit Cast D, respectively, 6

 1 and 2, both located in the NW/4 of Section 5. Township 22 South, Range 36 East, NMPM, Jalmat Pool, Lea County, New Mexico.
- (3) That the applicant proposes to utilize said wells to dispose of produced salt water into the Seven Rivers formation, with injection into the intervals as follows:

open-hole.
The open-hole interval from approximately 3756 feet to 3851 feet in the Getty Oil Company J. H. Day Well No. 1, and

preferenced

The perforated interval from approximately 3918 feet to 3939 feet in the Getty Oil Company J. H. Day Well No. 2.

(4) That the injection should be accomplished through:

2% -inch plastic-lined tubing installed in
a packer set at approximately 3200 feet in
the Getty Oil Company J. H. Day Well No. 1, and
2% -inch plastic-lined tubing installed in
a packer set at approximately 3680 feet in
the Getty Oil Company J. H. Day Well No. 2;

that the casing-tubing annulus of each of the subject wells should be filled with an inert fluid; and that a pressure gauge should be attached to the annulus of each of the subject wells 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, McCasland Disposal System, is hereby authorized to utilize the following-described wells, both located unib Cad D, respectively, in the NW/4 of Section 8, Township 22 South, Range 36 East, NMPM, Jalmat Pool, Lea County, New Mexico, to dispose of produced salt water into the Seven Rivers formation:

Getty Oil Company J. H. Day Well No. 1, injection to be accomplished through 238-inch tubing installed in a packer set at approximately 3700 feet, with injection into the open-hole interval from approximately 3756 feet to 3851 feet, and Getty Oil Company J. H. Day Well No. 2, injection to be accomplished through 238 -inch tubing installed in a packer set at approximately 3680 perforated feet, with injection into the perforated interval from approximately 3918 feet to 3939 feet;

PROVIDED HOWEVER, that the tubing of each of the subject wells shall be plastic-lined; that the casing-tubing annulus of each of the subject wells shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus of each of the subject wells or the annulus left open at the surface in order to determine leakage in the casing, tubing, or packer.

- (2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
 - (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary

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

CASE 4142: Appli. of TAMARACK
PETROLEUM CORP., FOR SALT WATER
DISPOSAL, LEA COUNTY, NEW MEXICO.