CASE 5755: BURLESON & HUFF for Salt water disposal well, Lea County, New Mexico

CASE NO.

5 755

APPlication, Transcripts, Small Exhibits,

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CASE

5755

NEW MEXICO OLL CONSERVAT Santa Pe, New M September 15, EXAMINER HEARING IN THE MATTER OF: Application of Burleson & Huff for salt) water disposal well, Lea County, New Mexico. BEFORE: Richard L. Stamets, Examiner TRANSCRIPT OF HEARING APPEARANCES For the New Mexico Oil William F. Carr, Esq. Conservation Commission: Legal Counsel for the Commission State Land Office Building Santa Fe, New Mexico For the Applicant:

W. Thomas Kellahin, Esq. KELLAHIN & FOX Attorneys at Law 500 Don Gaspar Santa Fe, New Mexico

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MR. STAMETS: We will call next Case 5755.

MR. CARR: Case 5755, application of Burleson & Huff for a salt water disposal well, Lea County, New Mexico.

MR. KELLAHIN: If the Examiner please, Tom Kellahin of Kellahin and Fox, Santa Fe, New Mexico appearing on behalf of Burleson & Huff, the applicant.

May I have the record reflect that Mr. Burleson has previously been sworn and his qualifications to testify as an expert witness have been accepted.

MR. STAMETS: The record will so reflect.

LEWIS BURLESON

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

- Q Mr. Burleson, would you please refer to what has been marked as Applicant's Exhibit Number One, identify it and state what you are seeking?
- 21 A. This is a land map of an area of the Shinnery-Queen
 22 Field in Lea County, New Mexico. It covers Section 24,
 23 18 South, 32 East and we propose to inject our produced water
 24 from our No. 2 and 3 Wells into this well and this well is
 25 located in Unit C of Section 24, 18 South, 32 East. The other

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two, the No. 2 and 3 Wells on this lease are located in Unit D and E of Section 24, 18, 32 South.

- 0 What is the acreage description for your lease?
- A. Our lease covers the north half of the northwest quarter and the southwest of the northwest quarter of Section 25.
- 0. And you currently have how many producing wells on this lease?
- A. There are currently two producing wells, the No. 1
 Well in which we propose to inject our produced water has not
 been -- because it went to water it has not been produced for
 the last year or year-and-a-half.
- Q And the requested disposal well will be used to dispose of only produced water from this lease?
 - A. That is correct.
- Q You are currently producing how much water from this lease?
- A. We are currently producing approximately twenty-five to thirty barrels of water a day.
 - Q Per well or is that total for the lease?
- A. No, that is the total for the lease out of the two wells.
- Q. All right. Please refer to what we have marked as Exhibit Number Two and identify what this is?
- A. It is the offset operators in the field, being Enfield and Hanagan to the north, in which we have received

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a waiver to approve our application and J. C. Barnes, Midland, Texas, who has approved our application. H. E. Yates of Artesia, the east offset to this well, we have not received a waiver from them. L. R. French, Midland, Texas, to the south, we have received approval from him and J. S. Sprinkle, Denver, Colorado, owning acreage in Section 14, which is two locations west and one location north of our proposed disposal well.

- Q Exhibits Three through Seven represent your correspondence with the offset operators, is that correct?
 - A. Yes, it is.
- Q Please refer to Exhibit Number Eight and identify it?
- A. This is our application to dispose of produced salt water by injection in a porous formation which will be in the Queen and Penrose Sands at a depth of -- the Queen being at four thousand feet and the Penrose at forty-iwo hundred and eighty feet.
- Q. Your two producing wells in this lease are producing from what formation?
 - A. They are producing from the Queen-Penrose section.
- Q. Will you be disposing of the water in the same formation as from which it is produced?
- A. Yes, we will be disposing of produced water into the same two zones, being the Queen and Penrose that our two producing wells are perforated in.

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© Fill your disposal well take the disposed water by vacuum or gravity or will it require pressure injection?

A. By test on this well, our No. 1 will take approximately twenty-five to thirty barrels a day on a vacuum and we will not have to set any pumping facilities to inject into this formation.

Q Please refer to Exhibit Number Nine and identify it?

Number Nine is a schematic diagram of our proposed installation for the Cinco de Mayo No. 1 salt water disposal well which shows ten-and-three-quarter inch, thirty-pound casing set at seven-hundred-and-fifty-seven feet, circulated with ten fifty sacks of cement, then the producing pipe being nine-and-five-eighths, twenty-eight pound, set at forty-six, fifty-seven with fifteen hundred sacks, was circulated. This is an old Morrow well dug by Ralph Lowe and it was dug to a TD of fourteen thousand, nine hundred and five feet and which we re-entered and plugged back to forty-three, twenty-five and perforated the Queen and Penrose zones from four thousand and fourteen to forty-two, ninety. We propose to set a Baker AD packer at four thousand feet, inject on a vacuum down the tubing with treated water between the tubing and the casing and a gauge on the Bradenhead to be monitored to show that we have no communication between our tubing and our casing.

Q Okay. Please refer to Exhibit Number Ten and identify it?

A. Number ten is a radioactive log which shows the two

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zones to be injected in, setting a Baker AD packer at approximately thirty-nine, ninety feet with two-inch tubing and injecting into five perforations from four thousand and eleven to four thousand and thirty-four and into two perforations in the Penrose at forty-two, eighty-two and ninety-two. We presently have a cast iron bridge plug which was set at forty-three, twenty-five when it was completed with a three-sack cap on top of this bridge plug.

- O In your opinion, Mr. Burleson, will the completion of this disposal well as you have requested properly insure the protection of any fresh water sources in the area?
 - A. Yes, it will.
- Q In your opinion will approval of this application be in the best interests of conservation, the prevention of waste and the protection of correlative rights?
 - A. Yes.
- Q. And were Exhibits One through Ten either prepared by you directly or compiled under your direction and supervision?
 - A. Yes, they were.

MR. KELLAHIN: We move the introduction of Exhibits One through Ten.

MR. STAMETS: Exhibits One through Ten will be admitted.

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(THEREUPON, Applicant's Exhibits One through Ten were admitted into evidence.) MR. KELLAHIN: That concludes our direct examination.

CROSS EXAMINATION

BY MR. STAMETS:

Mr. Burleson, you show a gauge on Exhibit Number Nine, will that gauge be capable of measuring both vacuum and pressure?

Well, the main reason for the gauge -- I didn't consider to show a vacuum because the head on that water would go ahead and build a pressure up on the back side because it would be on the Bradenhead between the tubing.

Even though the well is taking the water on a vacuum, if you've got a ---

Okay, I'm with you. Okay, we will have the gauge so it will show both positive and negative pressure.

Okay. Now, in the order authorizing this, would you like to be limited to injection by gravity only or would you like to be authorized to utilize pressure should that be necessary?

We would like to be authorized, if necessary, to go to pressure. The No. 1 Well has watered out. This is a real small Queen lense and I doubt if there will be any other Queen wells drilled on this particular field and although the

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wells are making now -- the total amount of fluid would be the oil making about fifty, fifty. We would like to be able to go and, say, set a small pump so we could go ahead and get rid of that inject water.

O The current Commission rule of thumb would appear to limit the surface pressure to eight hundred pounds, would that be an acceptable limit?

A. Yes, it would.

MR. STAMETS: Okay, any other questions of the witness? He may be excused.

(THEREUPON, the witness was excused.)

MR. STAMETS: Is there anything further in this case? We will take the case under advisement.

REPORTER'S CERTIFICATE

I, SIDNEY F. MORRISH, a Certified Shorthand Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings to the best of my knowledge, skill and ability.

Sidney F. Morrish, C.S.R.

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Phone (505) 982-9212

i do narraby cassify that the foregoing is a cutple a reast of the proceedings in the Exterior hearing of Case No. 5755 neard by me on 1976

**Read No. 1976

*



DIRECTOR
JOE D. RAMEY

OIL CONSERVATION COMMISSION

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

LAND COMMISSIONER
PHIL R. LUCERO
September 29, 1976



STATE GEOLOGIST EMERY C. ARNOLD

Mr. Tom Kellahin Kellahin & Fox	Re:	CASE NO. 5755 ORDER NO. R-5287
Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico		Applicant:
		Burleson & Huff
Dear Sir:		
		pies of the above-referenced tered in the subject case.
Yours very truly, JOE D. RAMEY Director		
JDR/fd		-
Copy of order also sent	to:	
Hobbs OCC x		
Artesia OCC x		
Aztec OCC		
Other		

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. 5755 Crder No. R-5287

APPLICATION OF BURLESON & HUFF FOR SALT WATER DISPOSAL WELL, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 15, 1976, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 28th day of September, 1976, 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 applicants, Burleson & Huff, are the owners and operator of the Cinco de Mayo Well No. 1, located in Unit C of Section 24, Township 18 South, Range 32 East, NMPM, Shinnery-Queen Pool, Lea County, New Mexico.
- (3) That the applicants propose to utilize said well to dispose of produced salt water into the Queen formation, with injection into the perforated interval from approximately 4,014 feet to 4,290 feet.
- (4) That the injection should be accomplished through 2 7/8-inch plastic lined tubing installed in a packer set at approximately 4,000 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure-vacuum gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.
- (5) That if injection should be by pressure system, the injection well or system should be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 800 psi.

-2-Case No. 5755 Order No. R-5287

- (6) That the operator should notify the supervisor of the Hobbs district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.
- (7) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.
- (8) 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 applicants, Burleson & Huff, are hereby authorized to utilize their Cinco de Mayo Well No. 1, located in Unit C of Section 24, Township 18 South, Range 32 East, NMPM, Shinnery-Queen Pool, Lea County, New Mexico, to dispose of produced salt water into the Queen formation, injection to be accomplished through 2 7/8-inch tubing installed in a packer set at approximately 4,000 feet, with injection into the perforated interval from approximately 4,014 feet to 4,290 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure-vacuum gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

- (2) That if injection is by other than by gravity pressure, the injection well or system shall be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 800 psi.
- (3) That the operator shall notify the supervisor of the Hobbs district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.
- (4) That the operator shall immediately notify the supervisor of the Commission's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.
- (5) That the applicants shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

-3-Case No. 5755 Order No. R-5287

(6) 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

PHIL R. LUCERO, Chairman

EMERY C. ARNOLD, Member

JOE D. RAMEY, Member & Secretary

SEAL

BURLESON & HI	IFF		, W	of the mention	Fernin heldl	
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LEWIS B. BURLESON

BURLESON & HUFF

OIL PROPERTIES
BOX 2479 - PHONE 683.4747
MIDLAND, TEXAS 79701
July 19, 1976

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501 ALL 22 1976

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ALL COLST RYATION CONSA.

Sonta Fe

Re: Application for Water Disposal

Gentlemen:

Burleson & Huff hereby makes application to convert its Cinco de Mayo No. I well situated 1980 feet from the west and 660 feet from the north line of Section 24, T-18-S, R-32-E, Lea County, New Mexico from an oil producer to a water disposal well. This well is presently shut in due to inability to produce. If approved the disposal well will be used to dispose of water produced from the Queen formation at a depth interval from about 4000 feet to 4300 feet from the Burleson & Huff Cinco de Mayo Federal Nos. 2 and 3 wells both of which are situated in the NW/4 of said Section 24. As shown on the attached diagrametic sketch, the injection of produced water will be made into the Queen formation in the disposal well at a depth interval from about 4014 to 4290 feet. Water produced from the Burleson & Huff Cinco de Mayo lease is salty, and it is estimated that a total of approximately 30 barrels of water per day will be injected into the disposal well. The Cinco de Mayo No. I well made large quantities of the same type of water from the Queen formation when it was previously produced as an oil producer.

The Queen formation is of Permian age and is older than the Triassic formation. The water produced from the Burleson & Huff Cinco de Mayo Lease is highly salty and is unfit for domestic, stock, irrigation and/or other general use. The applicant therefore asks administrative approval of this application without notice and hearing as an exception to Rule 701-A.

Copies of this application and of the other attachments enclosed herewith have been sent to all off-setting operators and to the surface owner and surface lessee as shown below.

Enclosed are three copies each of this application, application form C-108, diagrametic sketch, copies of log of the Cinco de

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Page Two

July 19, 1976

Mayo No. 1 well and plat of the surrounding area.

Yours very truly,

BURLESON & HUFF

Jack Huff

JH/sw

Copies sent to:

OFF-SETTING OPERATORS

Enfield & Hannigan, P. O. Box 1737, Roswell, New Mexico 88201

- J. C. Barnes, Box 505, Midland, Texas 79701
- H. E. Yates, 207 West 4th Street, Artesia, New Mexico 88210
- L. R. French, Jr., 1010 W. Wall, Midland, Texas 79701
- J. S. Sprinkle, et al, 555 17th Street, Denver, Colorado 80202

SURFACE OWNER

United States of America Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88260 Attn: Mr. William W. Campbell

SURFACE TENANT

Snyder Ranches c/o Mr. Larry Squires P. O. Box 726 Lovington, New Mexico 88260

Cene 5755

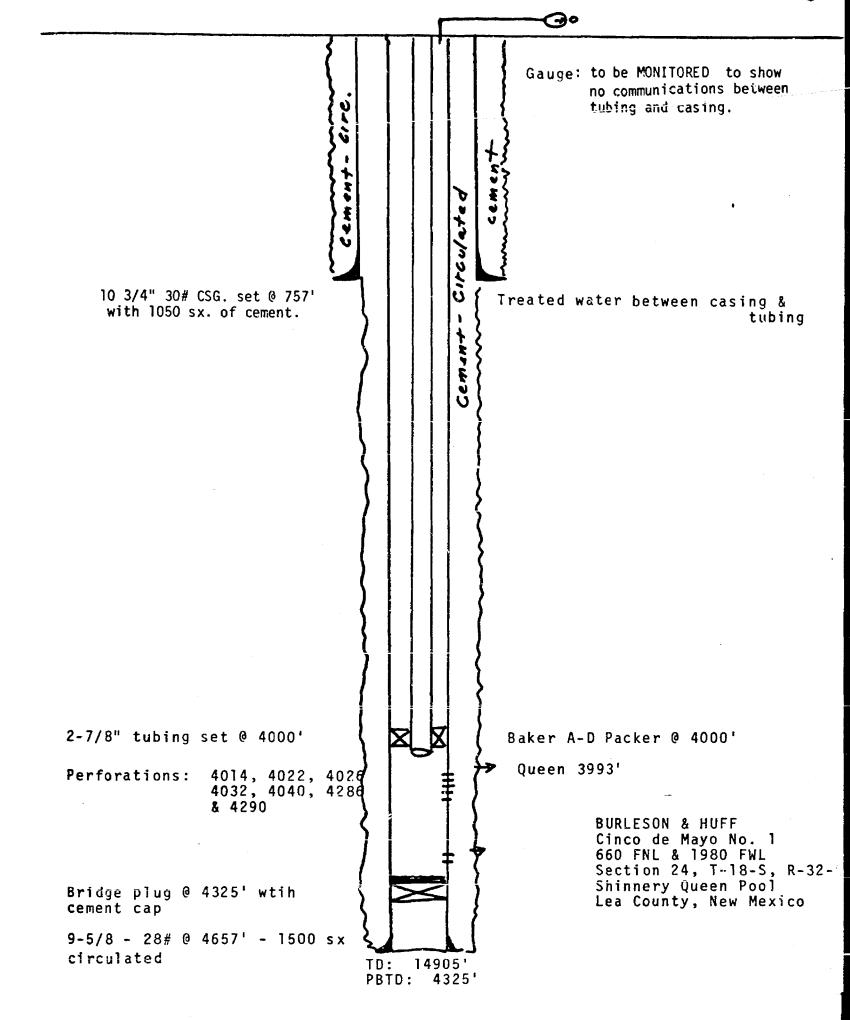
Forc. C-103 (Revised 3-1-63)

NEW MEXICO OIL CONSERVATION COMMISSION

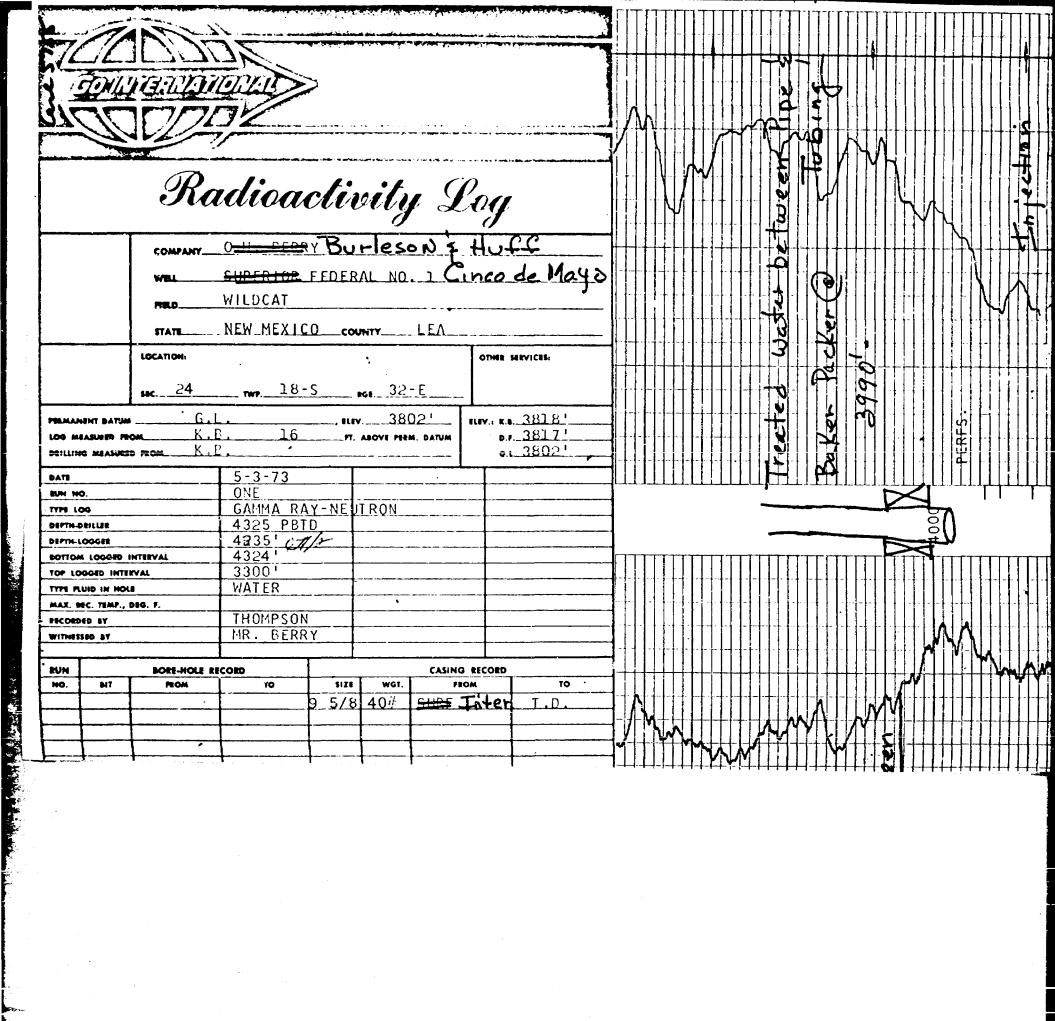
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

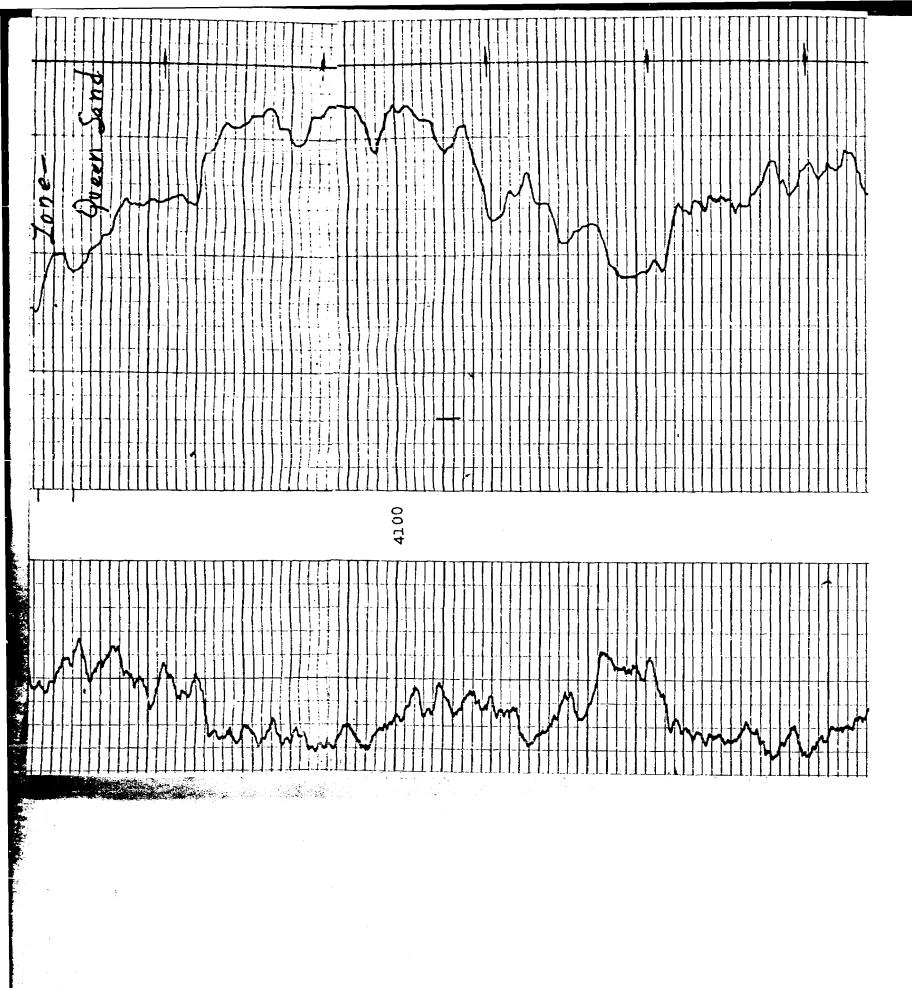
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Burleson & Huff			Вох	Box 2479, Midland, Texas 79701				
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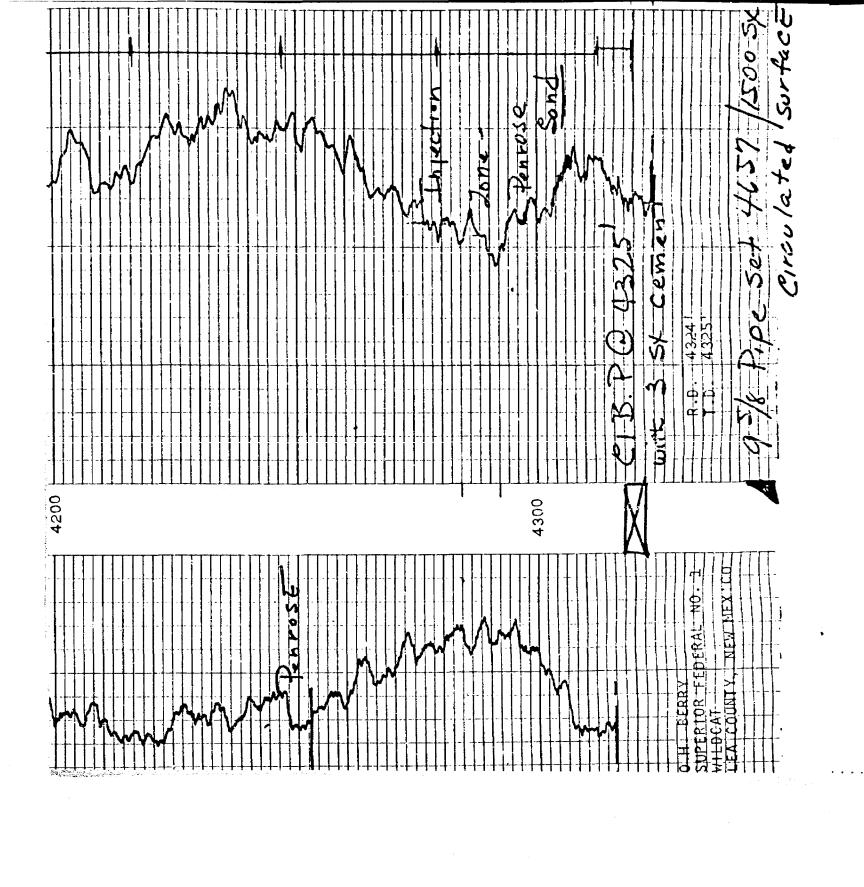
NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. 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. DEE RULE 701.

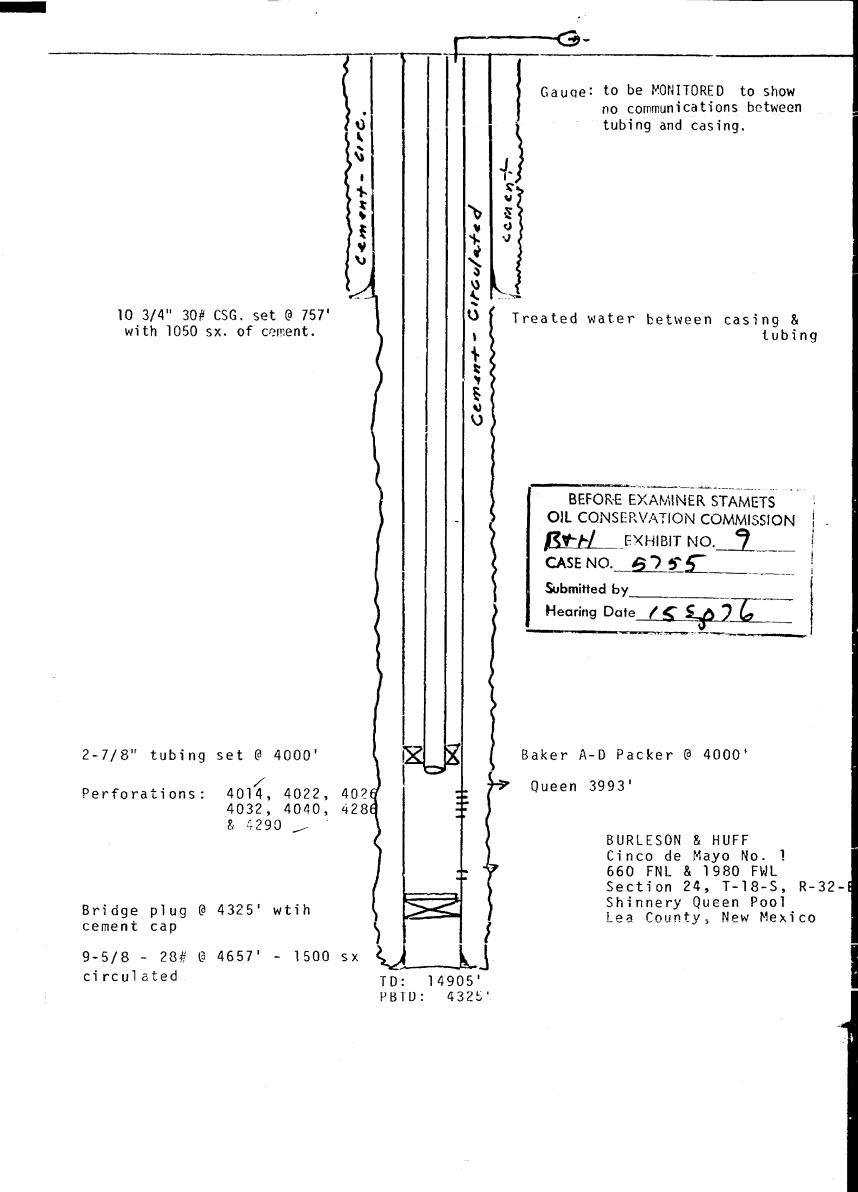


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Mayo No. 1 well and plat of the surrounding area.

Yours very truly, BURLESON & HUFF

Jack Huff

JH/sw

Copies sent to:

OFF-SETTING OPERATORS

_Enfield & Hannigan, P. O. Box 1737, Roswell, New Mexico 88201

- J. C. Barnes, Box 505, Midland, Texas 79701
- H. E. Yates, 207 West 4th Street, Artesia, New Mexico 88210 E. office-
- L. R. French, Jr., 1010 W. Wall, Midland, Texas 79701
 - J. S. Sprinkle, et al, 555 17th Street, Denver, Colorado 80202

SURFACE OWNER

United States of America Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88260 Attn: Mr. William W. Campbell

SURFACE TENANT

Caviness Cattle Company East Star Route Maljamar, New Mexico 88264

BEFORE EXAMINER STAMETS OIL CONSERVATION COMMISSION
BY H EXHIBIT NO. 2
CASE NO. 5755
Submitted by
Hearing Date 15 Seg 76

L. R. FRENCH, JR. -000 MEST MALL MIDIAND, TENAS 70701

August 9, 1976

Burleson & Huff Box 2479 Midland, Texas 79701

Attn: Mr. Jack Huff

Re: Application for Water Disposal Well

Gentlemen:

Enclosed you will find one copy of your form indicating that we have no objection to your proposed disposal well which has been properly signed.

Yours very truly,

Sandra L. Sangster Secretary to Mr. French

/ss Enclosure

BEFORE EXAMINER STAMETS OIL CONSERVATION COMMISSION
RAH EXHIBIT NO. 3
CASE NO. 6755
Submitted by
Hearing Date 15336

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

Re: Burleson & Huff Application for Water Disposal Well

Gentlemen:

This will advise you that the undersigned has no objection to Burleson & Huff disposing of water in their No. 1 Cinco de Mayo well in the Queen formation as proposed in their recent application to the New Mexico Oil Conservation Commission to dispose of water in that well.

Yours very truly,

for L. R. French, Jr.

Richard D. Jone

Exploration Mgr.

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 4

CASE NO. 5755

Submitted by
Hearing Date 15826

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

Re: Burleson & Huff Application for Water Disposal Well

Gentlemen:

This will advise you that the undersigned has no objection to Burleson & Huff disposing of water in their No. 1 Cinco de Mayo well in the Queen formation as proposed in their recent application to the New Mexico Oil Conservation Commission to dispose of water in that well.

Yours very truly,

J. C. Barnes Estate

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

CASE NO. 5755

Submitted by_

Hearing Date 15 50

August 12, 1976

Burleson & Huff Box 2479 Midland, Texas 79701

Re: Application for Water Disposal Well Burleson & Huff No. 1 Cinco de Mayo Well

Gentlemen:

Enclosed is letter executed by both Robert N. Enfield and myself indicating that we have no objection to your proposed disposal well.

Very truly yours,

Liliuh D. Hanagarding

Robert G. Hanagan

RGH:ab Encls.

BEFORE EXAMINER STAMETS OIL CONSERVATION COMMUSION BAR EXHIBIT NO.
CASE NO. 5755
Submitted by

New Mexico Gil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

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This will advise you that the undersigned has no objection to Burleson & Huff disposing of water in their No. 1 Cinco de Mayo well in the Queen formation as proposed in their recent application to the New Mexico Oil Conservation Commission to dispose of water in that well.

Yours very truly,

HANAGAN Enfield & Hannigan

by: Robert B. Harragan

NEW MEXICO OIL CONSERVATION COMMISSION

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

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Enfield & Hannifar							
J. C. Barnes, Box					MANUALED STANKETS		
d. v. barnes, box	Jos, Malar	id, 16xas 7570		BEFORE EXAMINER STAMETS OIL CONSERVATION COMMISSION			
H. E. Yates, 207 N	West 4th St.	OIL CONSER	XLUBIT NO.				
L. R. French, Jr.	, 1010 W. Wa	all, Midland,	CASE NO.	5755			
J. S. Sprinkle, e	t al., 555 l	7th Street, [Denver, Colora	de 89/20/20itted by			
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RE THE FOLLOWING ITEMS ATTACH HIS APPLICATION (SEE RULE 701-E	1) (EA	ELECTRICAL LOS	1	Voc		
	<u> </u>		<u> Ye</u>		Yes		
I hereby o	certify that the in	iformation above is	true and complete to	the best of my knowle	eage and belief.		
			Co-Owner		7-16-76		
			(Tiel-1		40		

(Signature) (Title) (Date)

NOTE: Should waivers from 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. DEE NULE 701.

Dockets Nos. 26-76 and 27-76 are tentatively set for hearing on September 29 and October 13, 1976. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 15, 1976

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

- The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:
- ALLOWABLE: (1) Consideration of the allowable production of gas for Cotober, 1976, from seventeen prorated pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for October, 1976, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- CASE 5766: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider the emendment of Rule 116 of the Commission Rules and Regulations, NOTIFICATION OF FIRE, BREAKS, LEAKS, SPILLS, AND BLOWOUTS, to include the requirement for notification of breaks, blowouts, and spills at fluid injection or disposal wells or at facilities related thereto, or other escape of injected water or other fluids.
- CASE 5764: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider the revision of Commission Form C-105, WELL COMPLETION OR RECOMPLETION REPORT AND LOG, to provide space for the reporting of depths of oil and/or gas sands or zones and important water sands.
- CASE 5765: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider the partial temporary suspension of Rule 202B of the Commission Rules and Regulations to permit approved temporarily abandoned wells to continue in such status without the requirement for notice and hearing pending the outcome of new bonding and plugging legislation to be proposed to the First Session of the 33rd New Mexico Legislature.
- CASE 5753: Application of A. H. Rains for amendment of Order No. R-5217, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-5217 to provide an administrative procedure for the approval of substitute or additional salt water disposal wells on applicant's Pure State Lease in Section 15, Township 21 South, Range 27 East, Magruder-Yates Pool, Eddy County. New Mexico.
- CASE 5754: Application of Burleson & Huff for compulsory pooling and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Yates-Seven Rivers formation underlying the E/2 NE/4 of Section 21 and the W/2 NW/4 of Section 22, Township 25 South, Range 37 East, to form a 160-acre non-standard gas proration unit in the Jalmat Pool, Lea County, New Mexico, to be dedicated to applicant's Arco Well No. 2-Y located 1770 feet from the North line and 660 feet from the East line of Section 21. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 5755: Application of Burleson & Huff for salt water disposal well, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Queen formation through the perforated interval from 4014 feet to 4290 feet in its Cinco de Mayo Well No. 1 located in Unit C of Section 24, Township 18 South, Range 32 East, Shinnery-Queen Pool, Lea County, New Mexico.
 - Application of Burleson & Huff for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Rustler formation through the open-hole interval from approximately 937 feet to 1200 feet in its Arco Well No. 2 located in Unit H of Section 21, Township 25 South, Range 37 East, Jahnat Pool, Lea County, New Mexico.
 - Application of Western Cil Producers, Inc. for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the Maljamar-Pennsylvanian Oil Pool, in Section 5, Township 17 South, Range 33 East, Lea County, New Mexico, including a provision for 160-acre spacing and proration units.

OIL CONSERVATION COMMISSION HOBBS DISTRICT

OIL CONSERVATION COMMISSION BOX 2088	DATE July 27, 1976
SANTA FE, NEW MEXICO	RE: Proposed MC Proposed DHC Proposed NSL Proposed SWD XX Proposed WFX Proposed PMX
Gentlemen:	
I have examined the application dated	July 19, 1976
for the <u>Burleson & Huff Oil Properties</u> <u>Cir</u> Operator <u>Lease and W</u>	co de Mayo Federal #1-C 24-18-32 ell No. Unit, S-T-R
and my recommendations are as follows:	
O.K Jerry Sexton	
	:
	Yours very truly,
	\sim

Jerry Seffor.

JACK HUFF

BURLESON & HUFF
OIL PROPERTIES
BOX 2479 - PHONE 683.4747
MIDLAND, TEXAS 79701
July 19, 1976

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

Re: Application for Water Disposal Well .

2841 W C 82

Gentlemen:

Burleson & Huff hereby makes application to convert its Cinco de Mayo No. 1 well situated 1980 feet from the west and 660 feet from the north line of Section 24, T-18-S, R-32-E, Lea County, New Mexico from an oil producer to a water disposal well. This well is presently shut in due to inability to produce. If approved the disposal well will be used to dispose of water produced from the Queen formation at a depth interval from about 4000 feet to 4300 feet from the Burleson & Huff Cinco de Mayo Federal Nos. 2 and 3 wells both of which are situated in the NW/4 of said Section 24. As shown on the attached diagrametic sketch, the injection of produced water will be made into the Queen formation in the disposal well at a depth interval from about 4014 to 4290 feet. Water produced from the Burleson & Huff Cinco de Mayo lease is salty, and it is estimated that a total of approximately 30 barrels of water per day will be injected into the disposal well. The Cinco de Mayo No. 1 well made large quantities of the same type of water from the Queen formation when it was previously produced as an oil producer.

The Queen formation is of Permian age and is older than the Triassic formation. The water produced from the Burleson & Huff Cinco de Mayo Lease is highly salty and is unfit for domestic, stock, irrigation and/or other general use. The applicant therefore asks for administrative approval of this application without notice and hearing as an exception to Rule 701-A.

Copies of this application and of the other attachments enclosed herewith have been sent to all off-setting operators and to the surface owner and surface lessee as shown below.

Enclosed are three copies each of this application, application form C-108, diagrametic sketch, copies of log of the Cinco de

Page Two

July 19, 1976

Mayo No. 1 well and plat of the surrounding area.

Yours very truly,

BURLESON & HUFF

Jack Huff

JH/sw

Copies sent to:

OFF-SETTING OPERATORS

Enfield & Hannigan, P. O. Box 1737, Roswell, New Mexico 88201

- J. C. Barnes, Box 505, Midland, Texas 79701
- H. E. Yates, 207 West 4th Street, Artesia, New Mexico 88210
- L. R. French, Jr., 1010 W. Wall, Midland, Texas 79701
- J. S. Sprinkle, et al, 555 17th Street, Denver, Colorado 80202

SURFACE OWNER

United States of America Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88260 Attn: Mr. William W. Campbell

SURFACE TENANT

Snyder Ranches c/o Mr. Larry Squires P. O. Box 726 Lovington, New Mexico 88260

Care 5755

Form C-108 Revised 3-1-68

NEW MEXICO OIL CONSERVATION COMMISSION

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

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H. E. Yates, 207	West 4th St	., Artesia, N	ew M	exico 88	210					
L. R. French, Jr.	, 1010 W. W	all, Midland,	Tex	as 79701						
J. S. Sprinkle, e	t al., 555	17th Street,	Denv	er, Colo	rado	80202				
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SNYDER RANCHES, LTD.

LARRY C. SQUIRES
Partner

2. 0. BOX 726 11 2 6 1976 11 LOVINGTON, NEW MEXICO 88260 July 23. 1976 COLSTANDIN COMM

Telephone 505-393-7544

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

Re: Burleson & Huff, Application for Water Disposal Well.

Gentlemen:

In response to Burleson & Huff's application to you on July 19, 1976 for a Salt Water Disposal Well, located in Section 24, Townsship 18s. Range 32e Lea County, New Mexico. We must protest this application, because of possible contamination of fresh water in this immediate area.

Salt Water Disposal facilities are already available in this particular area where there is no possibility of fresh water contamination, therefore, this new water disposal well, seems to us, to be unnecessary. The facilities in this area are known as: Iaguna Plata, and Iaguna Gatuna, and are operated by Polution Control Inc., of Hobbs, New Mexico. A Pipeline to either of these lakes would seem to be more permanent and completely safe from contamination of fresh water supplies in Lea County. We appreciate your consideration of this matter.

Very truly vours,

SNYDER RANCHES LTD.

Tarry C. Souires

^partner

LCS/ps

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

5755

CASE NO.

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

	Order No. R- 5287
	APPLICATION OF BURLESON & HUFF FOR SALT WATER DISPOSAL WELL, LEA COUNTY, NEW MEXICO.
	ORDER OF THE COMMISSION
	BY THE COMMISSION:
	This cause came on for hearing at 9 a.m. on September 15, 1976 at Santa Fe, New Mexico, before Examiner, Richard L. Stamets .
	NOW, on this day of September , 1976 , 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 applican Burleson & Huff
re	exis the owners and operator of the Cinco de Mayo Well No. 1
	located in Unit C of Section 24, Township 18 South
	Range 32 East , NMPM, Shinnery-Queen Pool ,
	Lea County, New Mexico.
	(3) That the applicant propose to utilize said well to
	dispose of produced salt water into theQueen
	formation, with injection into the perforated interval
	from approximately 4,014 feet to 4.290 feet.
	(4) That the injection should be accomplished through $\frac{278}{}$
	inch plastic lined tubing installed in a packer
	set at approximately 4000 feet; that the casing-tubing annulus
	should be filled with an inert fluid; and that a pressure gauge
	or approved leak detection device should be attached to the

or packer. if injection should be render pressure by pressure system,

- (4) That the injection well or system should be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 200 psi.
- (5) That the operator should notify the supervisor of the Hobbs district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.
- (6) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.
- (7) 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:

are

(1) That the applicant, Burleson & Huff, Aries hereby authorized to utilizexits their Cinco de Mayo Well No., l, located in Unit C of Section 24 , Township 18 South , Range 32 East , NMPM, Shinnery-Queen Pool ,

Lea County, New Mexico, to dispose of produced salt water into the Queen formation, injection to be accomplished through 2 % -inch tubing installed in a packer set at approximately 4,014 feet to 4,290 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert pressure fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

CASE NO. ______ finite tion for the place by 15 by other the by gravity pressure,

- (2) That the injection well or system shall be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 800 psi.
- (3) That the operator shall notify the supervisor of the Hobbs district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.
- (4) That the operator shall immediately notify the supervisor of the Commission's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.
- (5) That the applicants shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (6) 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.

