

CASE 5756: BURLESON & HUFF for
Salt water disposal, Lea County,
New Mexico

CASE NO.

5756

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

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BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
September 15, 1976

EXAMINER HEARING

IN THE MATTER OF:)
)
)
Application of Burleson & Huff for) CASE
salt water disposal, Lea County,) 5756
New Mexico.)

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

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

sid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

1 MR. STAMETS: We will call next Case 5756.

2 MR. CARR: Case 5756, application of Burleson &
3 Huff for salt water disposal, Lea County, New Mexico.

4 MR. KELLAHIN: If the Examiner please, Tom Kellahin
5 on behalf of Burleson & Huff, we would like to withdraw that
6 application.

7 MR. STAMETS: Case 5756 will be dismissed.
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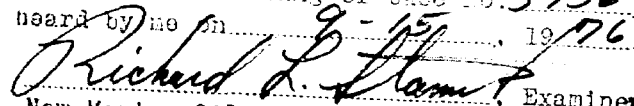
sid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

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.

sid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 5756
heard by me on 9-15, 1976.

Richard L. Ham, Examiner
New Mexico Oil Conservation Commission

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. 5756
Order No. R-5288

APPLICATION OF BURLISON & HUFF
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 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 record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

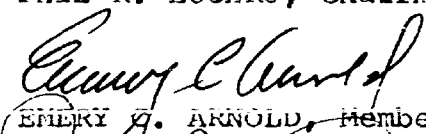
IT IS THEREFORE ORDERED:

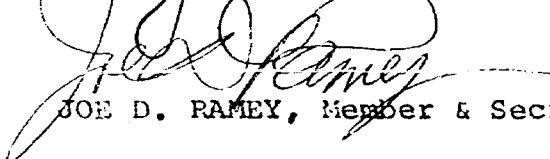
That Case No. 5756 is hereby dismissed.

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 G. ARNOLD, Member


JOE D. RAMEY, Member & Secretary

S E A L

dr/



Telegram

BNC172(1600)(2-043478E257)PD 09/13/76 1600
ICS IPMBNGZ CSP
7136268800 TDBN HOUSTON TX 126 09-13 0400P EST
FON 5058273260

RECEIVED

SEP 16 1976

OIL CONSERVATION COMMISSION

MR JOE RAMEY NEW MEXICO CONSERVATION COMMISSION STATE LAND OFFICE
BLDG

SANTA FE NM

RE CASE 5756 MOBILE OIL CORP WISHES TO PROTEST THE BURLESON AND HUFF
APPLICATION TO DISPOSE OF PRODUCED WATER INTO THE RUSTLER FORMATION
FROM APPROXIMATELY 937 FEET TO 1200 FEET IN ITS ARCO WELL NUMBER 2
THE WATER FLOW PROBLEM BEING EXPERIENCED A FEW MILES NORTH AND IN
SEVERAL AREAS OF LEA COUNTY INDICATE A NEED FOR CAUTION IN
PRESSURING UP A SHALLOW INTERVAL, WHERE MIGRATION BEHIND CASING
STRINGS MAY BE POSSIBLE.

A FEW MILES SOUTH, THE TEXAS REGULATORY AUTHORITIES REQUIRE
PROTECTION OF THE SANTA ROSA FRESH WATER SAND A DEPTH OF 600 FEET

SF-1201 (RS-69)



Telegram

AND WILL NOT PERMIT INJECTION INTO THE RUSTLER FORMATION WHICH IS AT
A DEPTH OF ABOUT 900 FT.

MOBILE OIL BELIEVES THAT THIS SHALLOW INJECTION SHOULD NOT BE
PERMITTED AS APPLIED FOR.

J A MORRIS REGULATORY ENGINEERING SUPERVISOR

NNNN

SF-1201 (RS-69)

Telegram Received September 13, 1976

To Joe Ramey

Re: Case 5756

Mobil Oil Corporation wishes to protest the Burleson & Huff Application to dispose of produced water into Rustler formation from approximately 937' to 1200' in its Arco Well No. 2. The water flow problem being experienced a few miles north and in several areas of Lea County indicate a need for caution in pressuring up a shallow interval, where migration behind casing strings may be possible.] A few miles south, the Texas regulatory authorities require protection of the Santa Rosa fresh water sand at a depth of 600' and will not permit injection into the Rustler formation which is at a depth of about 900'. Mobil Oil believes that this shallow injection should not be permitted as applied for.

J. A. Morris
Regulatory Engineer Supervisor

application w/ drawn

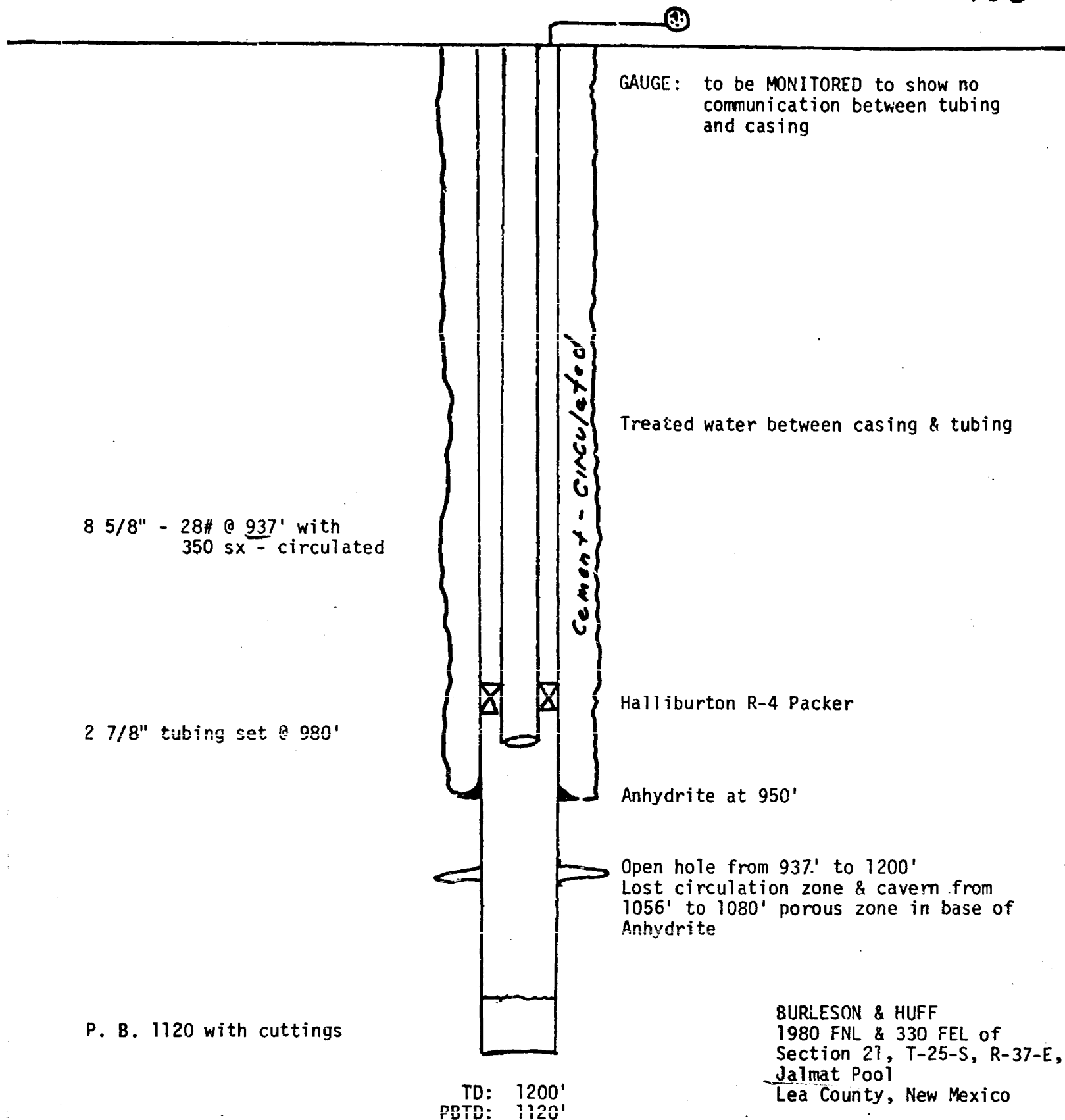
Dockets Nos. 26-76 and 27-76 are tentatively set for hearing on September 29 and October 13, 1976. Applications for hearing must be filed at least 22 days in advance of hearing date.

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. Statets, Examiner, or Daniel S. Mutter, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for October, 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 amendment of Rule 116 of the Commission Rules and Regulations, NOTIFICATION OF FIRE, BURNINGS, 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 19, 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.
- CASE 5756: 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, Jalmat Pool, Lea County, New Mexico.
- CASE 5757: Application of Western Oil 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.



Case 5786


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

RECEIVED
JUL 30 1976
NEW MEXICO OIL CONSERVATION COMMISSION

OPERATOR Burleson & Huff		ADDRESS Box 2479, Midland, Texas 79701	
LEASE NAME Arco	WELL NO. 2	FIELD Jalmat	COUNTY Lea
LOCATION UNIT LETTER H WELL IS LOCATED 1980 FEET FROM THE north LINE AND 330 FEET FROM THE east LINE, SECTION 21 TOWNSHIP 25-S RANGE 37-E NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING					
8-5/8	8-5/8	937	350	surface	circulated
INTERMEDIATE					
LONG STRING					
TUBING					
	2-7/8	980	Halliburton R-4 @ 890'		
NAME OF PROPOSED INJECTION FORMATION Rustler - Anhydrite			TOP OF FORMATION 945		BOTTOM OF FORMATION 1120
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing		PERFORATIONS OR OPEN HOLES open hole		PROPOSED INTERVAL(S) OF INJECTION 937 to 1120	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? no		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? found lost circulation zone & well had to be abandoned		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? no	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH none					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 200		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA none		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 2700'	
ANTICIPATED DAILY INJECTION VOLUME (BBL'S.) 500	MINIMUM 200	MAXIMUM 1000	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? gravity	APPROX. PRESSURE (PSIG) -
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - produced water			NATURAL WATER IN DISPOSAL ZONE some		ARE WATER ANALYSES ATTACHED? no
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Mrs. Nadine Owen Turner, Box 131, Eunice, New Mexico 88231					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL					
El Paso Natural Gas Company, Box 1492, El Paso, Texas 79910					
Union Texas Petroleum, 1300 Wilco Bldg., Midland, Texas 79701					
Bettis, Boyle & Stovall, Box 1168, Graham, Texas 76046					
Skelly Oil Company, Box 1351, Midland, Texas 79701					
Mobil Oil Corporation, Box 633, Midland, Texas 79701					
Gulf Oil Corporation, Box 1150, Midland, Texas 79701					
Aztec Gas Systems, Inc., Box 1164, Midland, Texas 79701					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA yes		ELECTRICAL LOG log on replacement well 2-Y attached DIAGRAMMATIC SKETCH OF WELL yes	

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

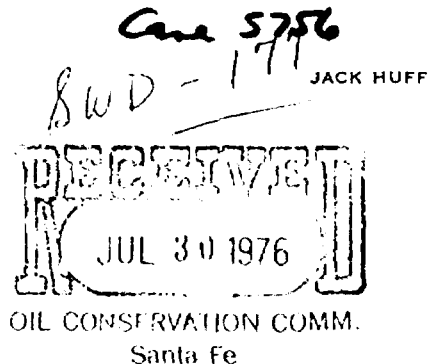
 (Signature) **Co-Owner** (Title) **July 19, 1976** (Date)

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. SEE RULE 701.

BURLESON & HUFF

OIL PROPERTIES
BOX 2479 - PHONE 683.4747
MIDLAND, TEXAS 79701

July 28, 1976



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

Re: Application for Water Disposal
Well

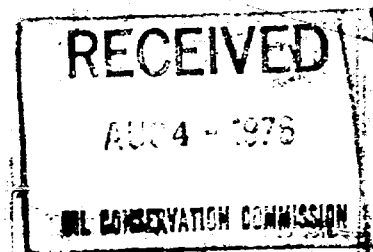
Gentlemen:

The Burleson & Huff Arco No. 2 well is situated 1980 from the north and 330 from the east lines of Section 21, T-25-S, R-37-E, Lea County, New Mexico. The well was spudded on November 4, 1975 and was to have been drilled to a depth of about 3500 feet to test the Queen formation; however, at a depth of about 1056 feet circulation was lost. The well was dry drilled to a depth of 1250 feet, and then further drilling was abandoned as circulation was never restored after repeated attempts were made to do so. The well is presently temporarily abandoned.

Burleson & Huff hereby makes application to convert its Arco No. 2 well to a water disposal well. If approved, the disposal well will be used to dispose of water produced from various wells in this area where such water is mineralized to such a degree as to be unfit for domestic, stock, irrigation and/or other general use. As shown on the attached diagrametic sketch the injection of produced water will be made into the Rustler formation at a depth of about 937 feet.

The Rustler is an older formation than the Triassic formation. The Rustler formation in this area is known to carry highly salty water which is unfit for domestic, stock, irrigation and/or general use. None of the wells within two miles of the proposed injection well produce from the Rustler formation. Applicant hereby asks for administrative approval of this application without notice and hearing as an exception to Rule 701-A.

After abandoning the No. 2 well Burleson & Huff skidded the rig and drilled its No. 2-Y well situated 1770 feet from the north and 660 feet from the east lines of said Section 21. Enclosed are three copies of log on the No. 2-Y well (the replacement well) together with three copies of this application, application form C-108, diagrametic sketch and plat of the surrounding area.



Page Two

July 28, 1976

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

Yours very truly,

BURLESON & HUFF


Jack Huff

JH/sw

Copies sent to:

OFF SETTING OPERATORS

El Paso Natural Gas Company, Box 1492, El Paso, Texas 79910

Union Texas Petroleum, 1300 Wilco Bldg., Midland, Texas 79701

Bettis, Boyle & Stovall, Box 1168, Graham, Texas 76046

Skelly Oil Company, Box 1351, Midland, Texas 79701

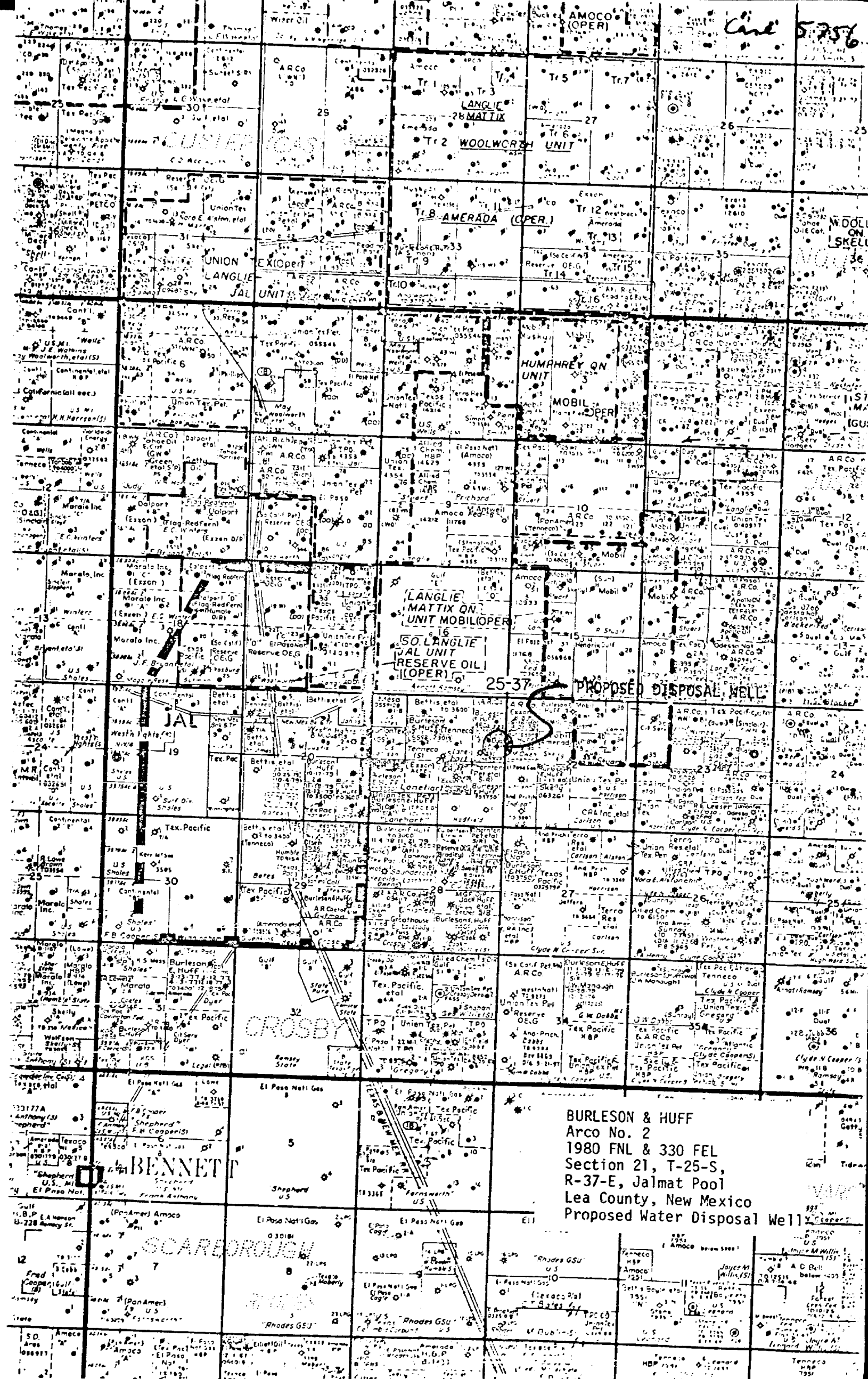
Mobil Oil Corporation, Box 633, Midland, Texas 79701

Gulf Oil Corporation, Box 1150, Midland, Texas 79701

Aztec Gas Systems, Inc., Box 1164, Midland, Texas 79701

SURFACE OWNER

Mrs. Nadine Owen Turner, Box 131, Eunice, New Mexico 88231



BURLESON & HUFF
Arco No. 2
1980 FNL & 330 FEL
Section 21, T-25-S,
R-37-E, Jalmat Pool
Lea County, New Mexico
Proposed Water Disposal Well

12
DRAFT

dr/

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. 5756

Order No. R- 5288

DR 12
APPLICATION OF BURLESON & HUFF
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 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 record and the recom-
mendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be
granted.

IT IS THEREFORE ORDERED:

That Case No. 5756 is hereby dismissed.

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