

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

CASE NO.

5755

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 salt) CASE
water disposal well, Lea County,) 5755
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

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

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I N D E X

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LEWIS EURLERSON

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1 MR. STAMETS: We will call next Case 5755.

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

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

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

10 MR. STAMETS: The record will so reflect.

12 LEWIS BURLESON

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

16 DIRECT EXAMINATION

17 BY MR. KELLAHIN:

18 Q Mr. Burleson, would you please refer to what has
 19 been marked as Applicant's Exhibit Number One, identify it
 20 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

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

3 Q What is the acreage description for your lease?

4 A Our lease covers the north half of the northwest
5 quarter and the southwest of the northwest quarter of Section 24.

6 Q And you currently have how many producing wells on
7 this lease?

8 A There are currently two producing wells, the No. 1
9 Well in which we propose to inject our produced water has not
10 been -- because it went to water it has not been produced for
11 the last year or year-and-a-half.

12 Q And the requested disposal well will be used to
13 dispose of only produced water from this lease?

14 A That is correct.

15 Q You are currently producing how much water from
16 this lease?

17 A We are currently producing approximately twenty-five
18 to thirty barrels of water a day.

19 Q Per well or is that total for the lease?

20 A No, that is the total for the lease out of the two
21 wells.

22 Q All right. Please refer to what we have marked
23 as Exhibit Number Two and identify what this is?

24 A It is the offset operators in the field, being
25 Enfield and Hanagan to the north, in which we have received

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

8 Q Exhibits Three through Seven represent your
9 correspondence with the offset operators, is that correct?

10 A Yes, it is.

11 Q Please refer to Exhibit Number Eight and identify
12 it?

13 A This is our application to dispose of produced
14 salt water by injection in a porous formation which will be
15 in the Queen and Penrose Sands at a depth of -- the Queen
16 being at four thousand feet and the Penrose at forty-two
17 hundred and eighty feet.

18 Q Your two producing wells in this lease are producing
19 from what formation?

20 A They are producing from the Queen-Penrose section.

21 Q Will you be disposing of the water in the same
22 formation as from which it is produced?

23 A Yes, we will be disposing of produced water into
24 the same two zones, being the Queen and Penrose that our two
25 producing wells are perforated in.

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1 Q Will your disposal well take the disposed water by
2 vacuum or gravity or will it require pressure injection?

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

6 Q Please refer to Exhibit Number Nine and identify it?

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

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

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

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

9 Q In your opinion, Mr. Burleson, will the completion
10 of this disposal well as you have requested properly insure
11 the protection of any fresh water sources in the area?

12 A Yes, it will.

13 Q In your opinion will approval of this application
14 be in the best interests of conservation, the prevention of
15 waste and the protection of correlative rights?

16 A Yes.

17 Q And were Exhibits One through Ten either prepared
18 by you directly or compiled under your direction and
19 supervision?

20 A Yes, they were.

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

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

25

1 (THEREUPON, Applicant's Exhibits One
2 through Ten were admitted into evidence.)
3 MR. KELLAHIN: That concludes our direct examination.
4

5 CROSS EXAMINATION

6 BY MR. STAMETS:

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

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

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

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

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

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

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

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

8 A Yes, it would.

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

11 (THEREUPON, the witness was excused.)

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

14

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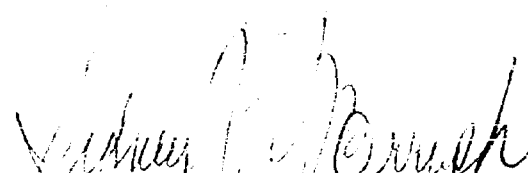
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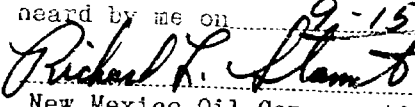
REPORTER'S CERTIFICATE

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.

s/d 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 correct record of the proceedings in
the Examiner hearing of Case No. 5755
heard by me on 9-15, 1976.
 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. 5755
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 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.

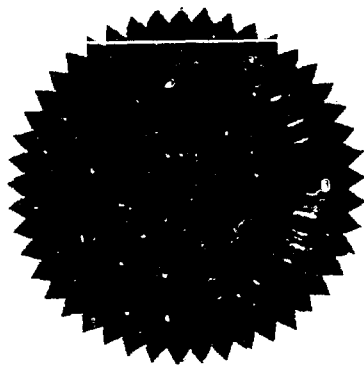
-3-

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
EMERY C. ARNOLD, Member

Joe D. Ramey
JOE D. RAMEY, Member & Secretary

S E A L

jr/

BURLESON & HUFF

OIL PROPERTIES
BOX 2479 - PHONE 683-4747
MIDLAND, TEXAS 79701
July 19, 1976

Case 5755
JACK HUFF
JUL 22 1976
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe

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

Re: Application for Water Disposal
Well

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 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

7/26: Huff advised that the operator would call back if they want to go that route, and if they want it on Aug. 14th.

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

Case 5755

Form C-108
Revised 3-1-64NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Burleson & Huff		ADDRESS Box 2479, Midland, Texas 79701	
LEASE NAME Cinco de Mayo	WELL NO. 1	FIELD Shinnery-Queen	COUNTY Lea
LOCATION UNIT LETTER C : WELL IS LOCATED 1980 FEET FROM THE west LINE AND 550 FEET FROM THE COMM. north LINE, SECTION 24 TOWNSHIP 18-S RANGE 32-E			
CASING AND TUBING DATA			
NAME OF STRING SURFACE CASING	SIZE 13-3/8	SETTING DEPTH 757	SACKS CEMENT 1050 circ.
INTERMEDIATE			
LONG STRING	9-5/8	4657	1500
TUBING	2-7/8	4000	NAME, MODEL AND DEPTH OF TUBING PACKER Baker AD - tention
NAME OF PROPOSED INJECTION FORMATION Queen - Penrose		TOP OF FORMATION 3997	BOTTOM OF FORMATION 4300
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing		PERFORATIONS OR OPEN HOLES perfs	PROPOSED INTERVAL(S) OF INJECTION 7 holes @ 4014, 4022, 4026, 4032, 4040, 4286 & 4290
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Produced for two years		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			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 200'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 5200'	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 30	MINIMUM 10	MAXIMUM 75	OPEN OR CLOSED TYPE SYSTEM closed
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - yes		IS INJECTION TO BE BY GRAVITY OR PRESSURE? gravity	
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) United States of America, Lessee: Snyder Ranches, c/o Mr. Larry Squires, Lovington, NM 88260		APPROX. PRESSURE (PSIG) -	
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			
Enfield & Hannifan, P. O. Box 1737, Roswell, New Mexico 88201			
J. C. Barnes, Box 505, Midland, Texas 79701			
H. E. Yates, 207 West 4th St., 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			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER Federal - yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA Yes	ELECTRICAL LOG Yes	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)

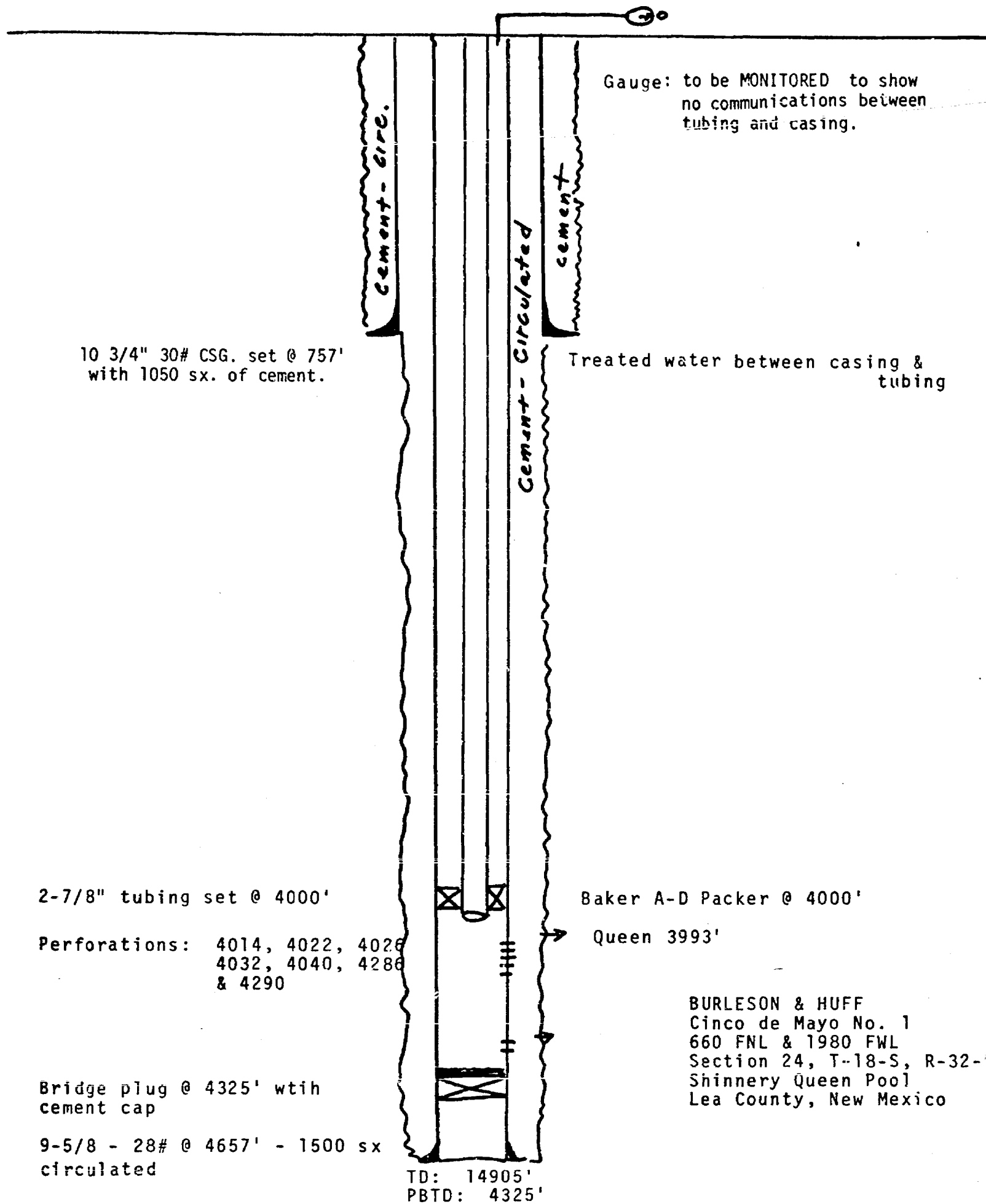
Co-Owner

(Title)

7-16-76

(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
Cinco de Mayo No. 1
660 FNL & 1980 FWL
Section 24, T-18-S, R-32-E
Shinnery Queen Pool
Lea County, New Mexico
Proposed Water Disposal Well
Pennsylvanian
Morrow
Queen
Yates
Strawn



Radioactivity Log

COMPANY OIL BERRY Burleson & Huff
WELL SUPERIOR FEDERAL NO. 1 Cinco de Mayo
FIELD WILDCAT
STATE NEW MEXICO COUNTY LEA

LOCATION:
SEC. 24 TWP. 18-S RGE. 32-E

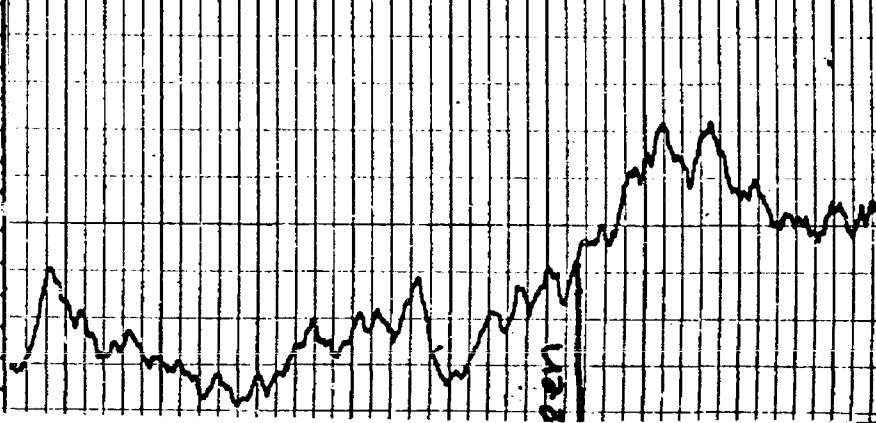
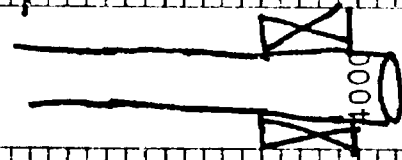
OTHER SERVICES:

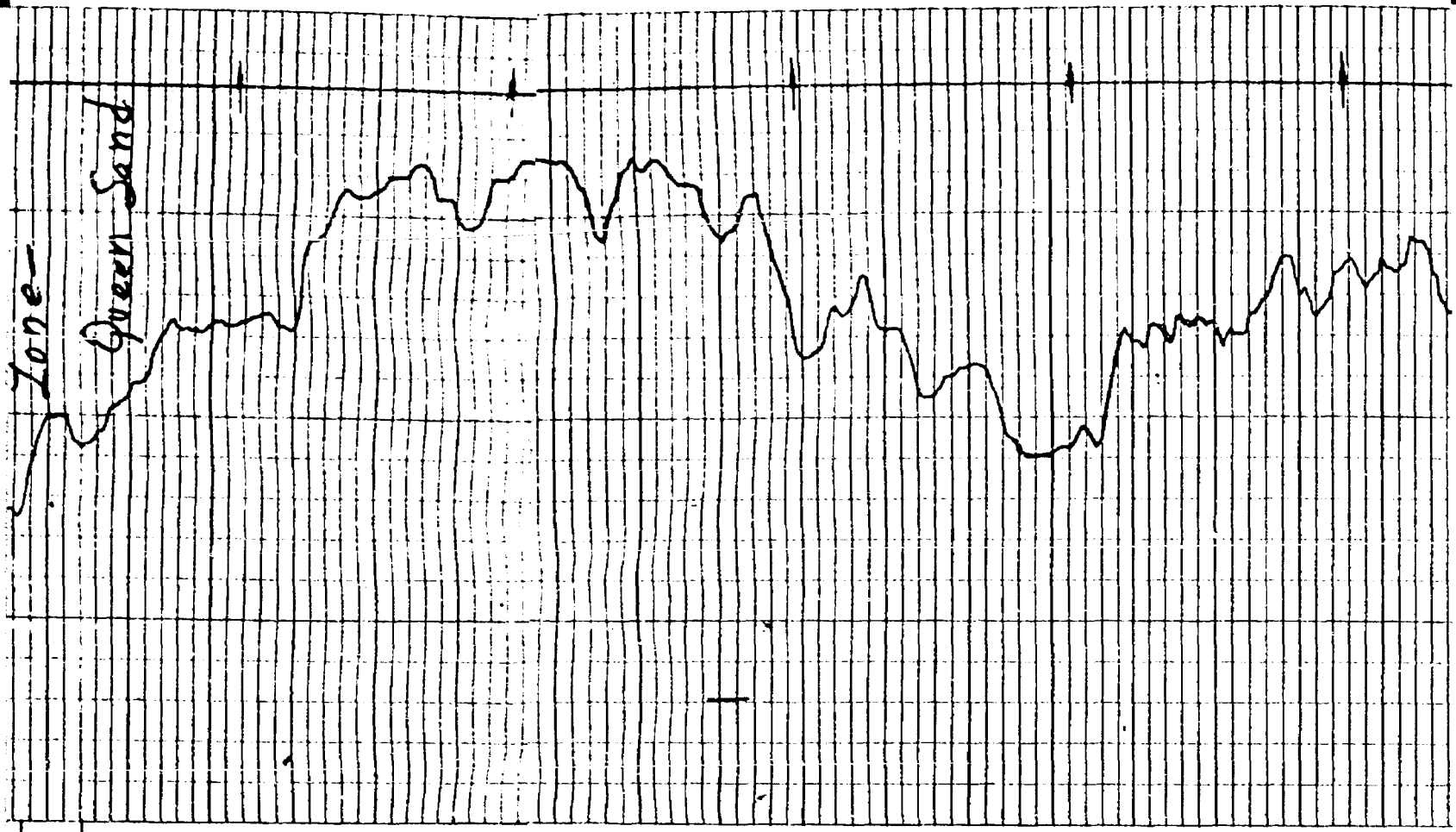
PERMANENT DATUM G.L. ELEV. 3802'
LOG MEASURED FROM K.B. 16 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM K.B. ELEV. K.B. 3818'
D.F. 3817'
G.L. 3802'

DATE 5-3-73
RUN NO. ONE
TYPE LOG GAMMA RAY-NEUTRON
DEPTH-DRILLER 4325 PBD
DEPTH-LOGGER 4335' CH/r
BOTTOM LOGGED INTERVAL 4324'
TOP LOGGED INTERVAL 3300'
TYPE FLUID IN HOLE WATER
MAX. SEC. TEMP., DEG. F.
RECORDED BY THOMPSON
WITNESSED BY MR. BERRY

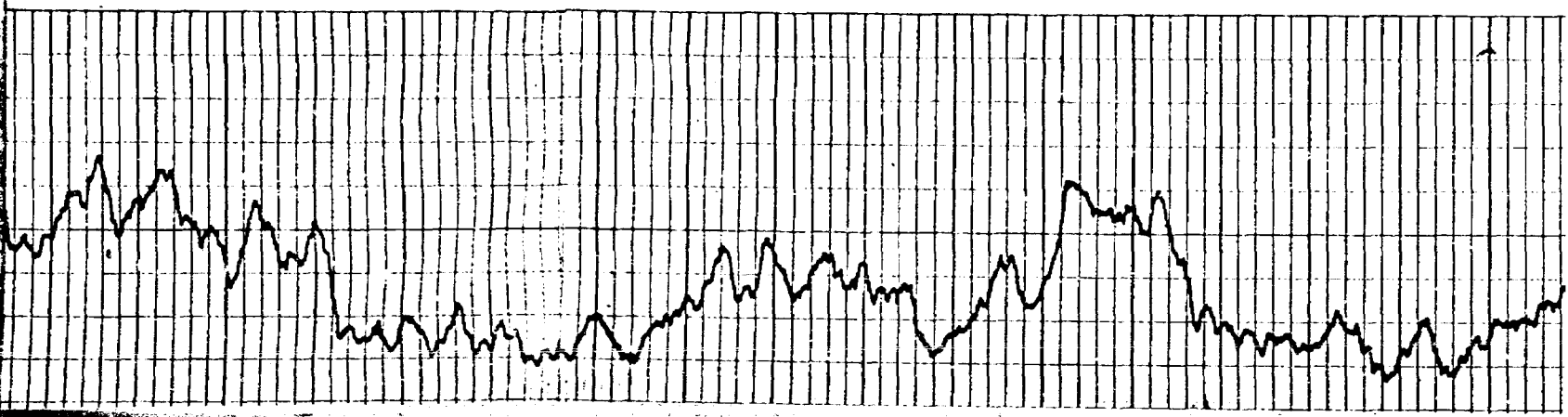
RUN NO.	BORE-HOLE RECORD			CASING RECORD			
	BIT	FROM	TO	SIZE	WGT.	FROM	TO
				9 5/8	40#	SIDE Inter	T.D.

Treated water between pipe & tubing
Baker Packer @ 3990'
PERFS.
Injection

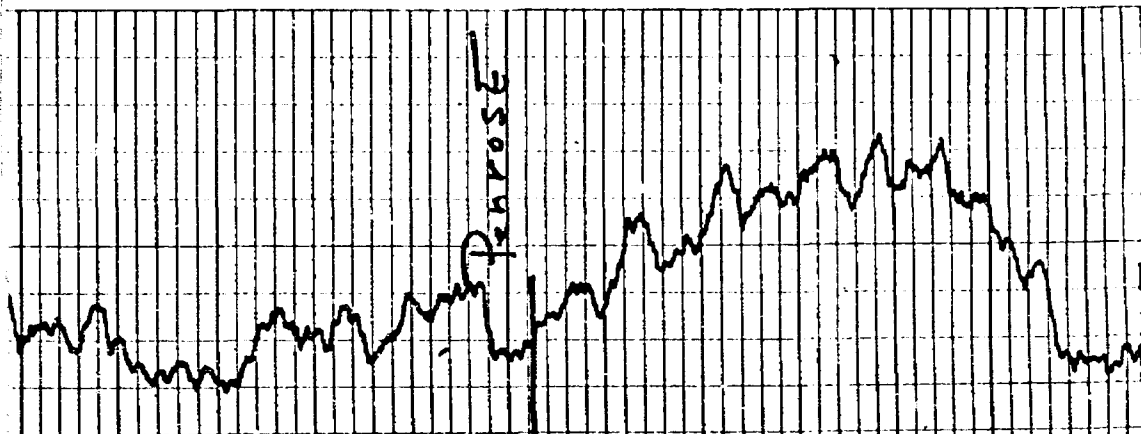




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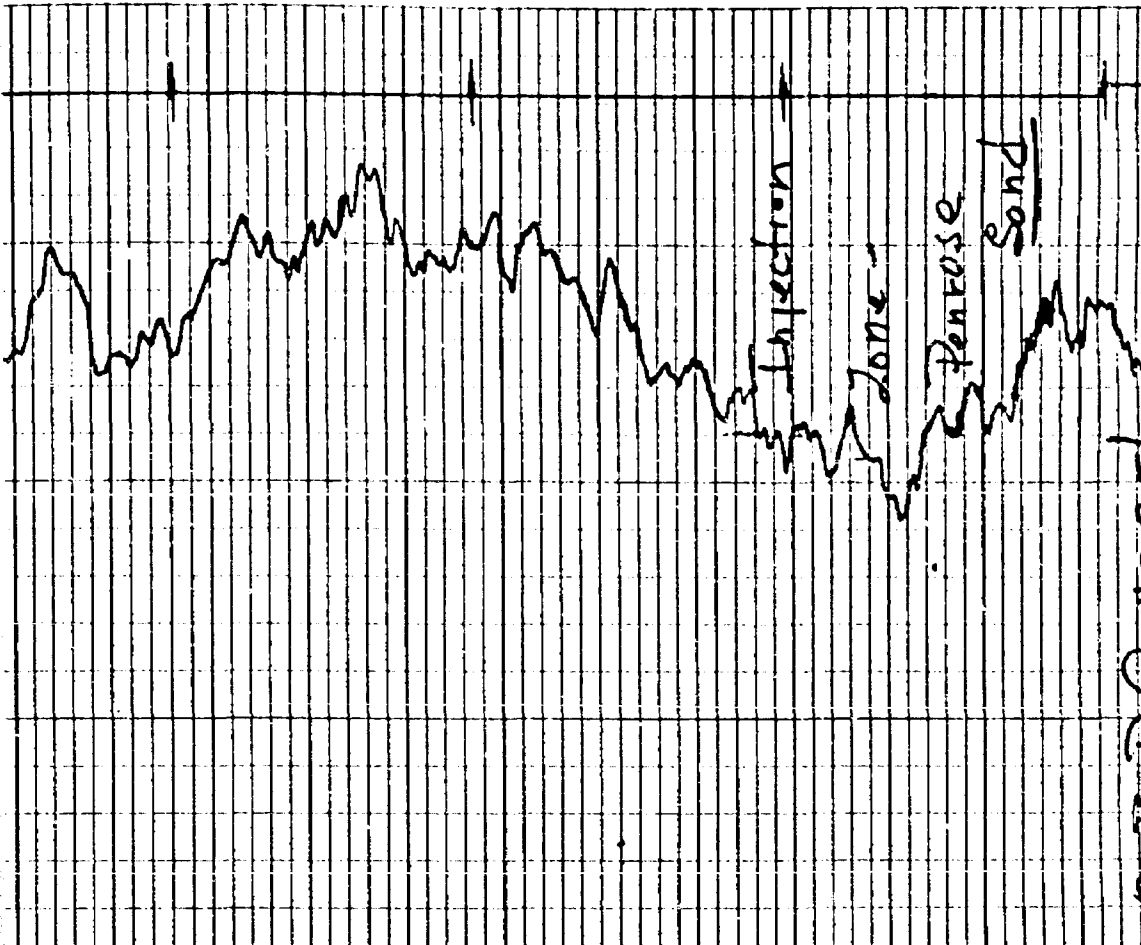


4200



O.H. BERRY
SUPERIOR FEDERAL NO. 1
WILDCAT
LEA COUNTY, NEW MEXICO

4300



CIB.P @ 4325'

with 3 SX cement

R.D. 4324'
T.D. 4325'

Injection
Zone
Perforase
Sand

9 5/8 Pipe set 4657' / 1500 SX
Circulated surface

Gauge: to be MONITORED to show
no communications between
tubing and casing.

10 3/4" 30# CSG. set @ 757'
with 1050 sx. of cement.

Treated water between casing &
tubing

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

B+H EXHIBIT NO. 9

CASE NO. 5755

Submitted by

Hearing Date 15 Sep 76

2-7/8" tubing set @ 4000'

Perforations: 4014, 4022, 4026
4032, 4040, 4286
& 4290

Baker A-D Packer @ 4000'

Queen 3993'

Bridge plug @ 4325' with
cement cap

9-5/8 - 28# @ 4657' - 1500 sx
circulated.

BURLESON & HUFF
Cinco de Mayo No. 1
660 FNL & 1980 FWL
Section 24, T-18-S, R-32-E
Shinnery Queen Pool
Lea County, New Mexico

TD: 14905'
PBTD: 4325'

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 E. offset

✓ L. R. French, Jr., 1010 W. Wall, Midland, Texas 79701

J. S. Sprinkle, et al, 555 17th Street, Denver, Colorado 80202
210 110

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	
BH	EXHIBIT NO. 2
CASE NO. 5755	
Submitted by	
Hearing Date 15 Aug 76	

L. R. FRENCH, JR.
1010 WEST WALL
MIDLAND, TEXAS 79701

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	
B+H	EXHIBIT NO. 3
CASE NO.	5755
Submitted by	
Hearing Date	15 Aug 76

August 5, 1976

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. Jones
Exploration Mgr.

BEFORE EXAMINER STAMETS	
OIL CONSERVATION COMMISSION	
<i>BH</i>	EXHIBIT NO. <u>4</u>
CASE NO.	<u>5755</u>
Submitted by	_____
Hearing Date	<u>15 Aug 76</u>

August 5, 1976

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

By J. C. Barnes, Jr.

BEFORE EXAMINER STAMETS	
OIL CONSERVATION COMMISSION	
<u>B+H</u>	EXHIBIT NO. <u>5</u>
CASE NO.	<u>5755</u>
Submitted by	_____
Hearing Date	<u>15 Aug 76</u>

ROBERT G. HANAGAN
J. P. WHITE BUILDING
ROSWELL, NEW MEXICO

P. O. BOX 1737

AREA CODE 505
623-5053

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,

Robert G. Hanagan
Robert G. Hanagan

RGH:ab
Encls.

BEFORE EXAMINER STAMETS	
OIL CONSERVATION COMMISSION	
B & H	EXHIBIT NO. 6
CASE NO.	5755
Submitted by	
Hearing Date	153, 76

August 5, 1976

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,

Enfield & ~~Hannigan~~ ^{HANAGAN}

by *Robert B. Hannigan*

by: *Robert B. Hannigan*

NEW MEXICO OIL CONSERVATION COMMISSION

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

APPLICATOR Burleson & Huff		ADDRESS Box 2479, Midland, Texas 79701			
WELL NAME Cinco de Mayo	WELL NO. 1	FIELD Shinnery-Queen	COUNTY Lea		
UNIT LETTER C		WELL IS LOCATED 1980	FEET FROM THE west		
LINE AND north		SECTION 24	TOWNSHIP 18-S		
RANGE 32-E		NMPM.			
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8	757	1050 circ.	surface	circulated
INTERMEDIATE					
LONG STRING	9-5/8	4657	1500	surface	circulated
TUBING	2-7/8	4000	NAME, MODEL AND DEPTH OF TUBING PACKER Baker AD - tention		
NAME OF PROPOSED INJECTION FORMATION Queen - Penrose		TOP OF FORMATION 3997		BOTTOM OF FORMATION 4300	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing		PERFORATIONS OR OPEN HOLES perfs		PROPOSED INTERVAL(S) OF INJECTION 7 holes @ 4014, 4022, 4026, 4032, 4040, 4286 & 4290	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Produced for two years		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					
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		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 5200'	
ANTICIPATED DAILY INJECTION VOLUME (BBL/DAY)	MINIMUM 30	MAXIMUM 75	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 - yes			WATER TO BE PRODUCED produce	NATURAL WATER IN DISPOSAL ZONE some	ARE WATER ANALYSES ATTACHED? no
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) United States of America, Lessee: Caviness Cattle Company, East Star Route, New Mexico 88264					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Enfield & Hannifan, P. O. Box 1737, Roswell, New Mexico 88201					
J. C. Barnes, Box 505, Midland, Texas 79701					
H. E. Yates, 207 West 4th St., 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					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER Federal - yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA Yes		ELECTRICAL LOG Yes	
				DIAGRAMMATIC SKETCH OF WELL Yes	

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
B.I.P. EXHIBIT NO. 8
CASE NO. 5755
Submitted by
Hearing Date 155076
Yes

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

Co-Owner

7-16-76

(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. SEE RULE 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 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, 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.

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 5755

OIL CONSERVATION COMMISSION
HOBBS DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE July 27, 1976

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 Burleson & Huff Oil Properties Cinco de Mayo Federal #1-C 24-18-32
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K. -- Jerry Sexton

Yours very truly,

Jerry Sexton

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

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 OWNERUnited States of America
Bureau of Land Management
P. O. Box 1397
Roswell, New Mexico 88260
Attn: Mr. William W. CampbellSURFACE TENANTSnyder Ranches
c/o Mr. Larry Squires
P. O. Box 726
Lovington, New Mexico 88260

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

OPERATOR Burleson & Huff		ADDRESS Box 2479, Midland, Texas 79701	
LEASE NAME Cinco de Mayo	WELL NO. 1	FIELD Shinnery-Queen	COUNTY Lea
LOCATION UNIT LETTER C ; WELL IS LOCATED 1980 FEET FROM THE west LINE AND 660 FEET FROM THE north LINE, SECTION 24 TOWNSHIP 18-S RANGE 32-E NMPM.			
CASING AND TUBING DATA			
NAME OF STRING SURFACE CASING	SIZE 13-3/8	SETTING DEPTH 757	SACKS CEMENT 1050 circ.
		TOP OF CEMENT surface	TCP DETERMINED BY circulated
INTERMEDIATE			
LONG STRING		SIZE 9-5/8	SETTING DEPTH 4657
		SACKS CEMENT 1500	TOP OF CEMENT surface
TUBING		SIZE 2-7/8	SETTING DEPTH 4000
NAME, MODEL AND DEPTH OF TUBING PACKER Baker AD - tention			
NAME OF PROPOSED INJECTION FORMATION Queen - Penrose		TOP OF FORMATION 3997	BOTTOM OF FORMATION 4300
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing		PERFORATIONS OR OPEN HOLES perfs	PROPOSED INTERVAL(S) OF INJECTION 7 holes @ 4014, 4022, 4026, 4032, 4040, 4286 & 4290
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Produced for two years		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			
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 5200'	
ANTICIPATED DAILY INJECTION VOLUME (GALLS.) 30	MINIMUM 10	MAXIMUM 75	OPEN OR CLOSED TYPE SYSTEM closed
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - yes		IS INJECTION TO BE BY GRAVITY OR PRESSURE? gravity	
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) United States of America, Lessee: Snyder Ranches, c/o Mr. Larry Squires, Lovington, NM 88260		APPROX. PRESSURE (PSIG) -	
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			
Enfield & Hannifan, P. O. Box 1737, Roswell, New Mexico 88201			
J. C. Barnes, Box 505, Midland, Texas 79701			
H. E. Yates, 207 West 4th St., 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			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	
Federal - yes		Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		ELECTRICAL LOG	
Yes		Yes	
		DIAGRAMMATIC SKETCH OF WELL	
		Yes	

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


(Signature)

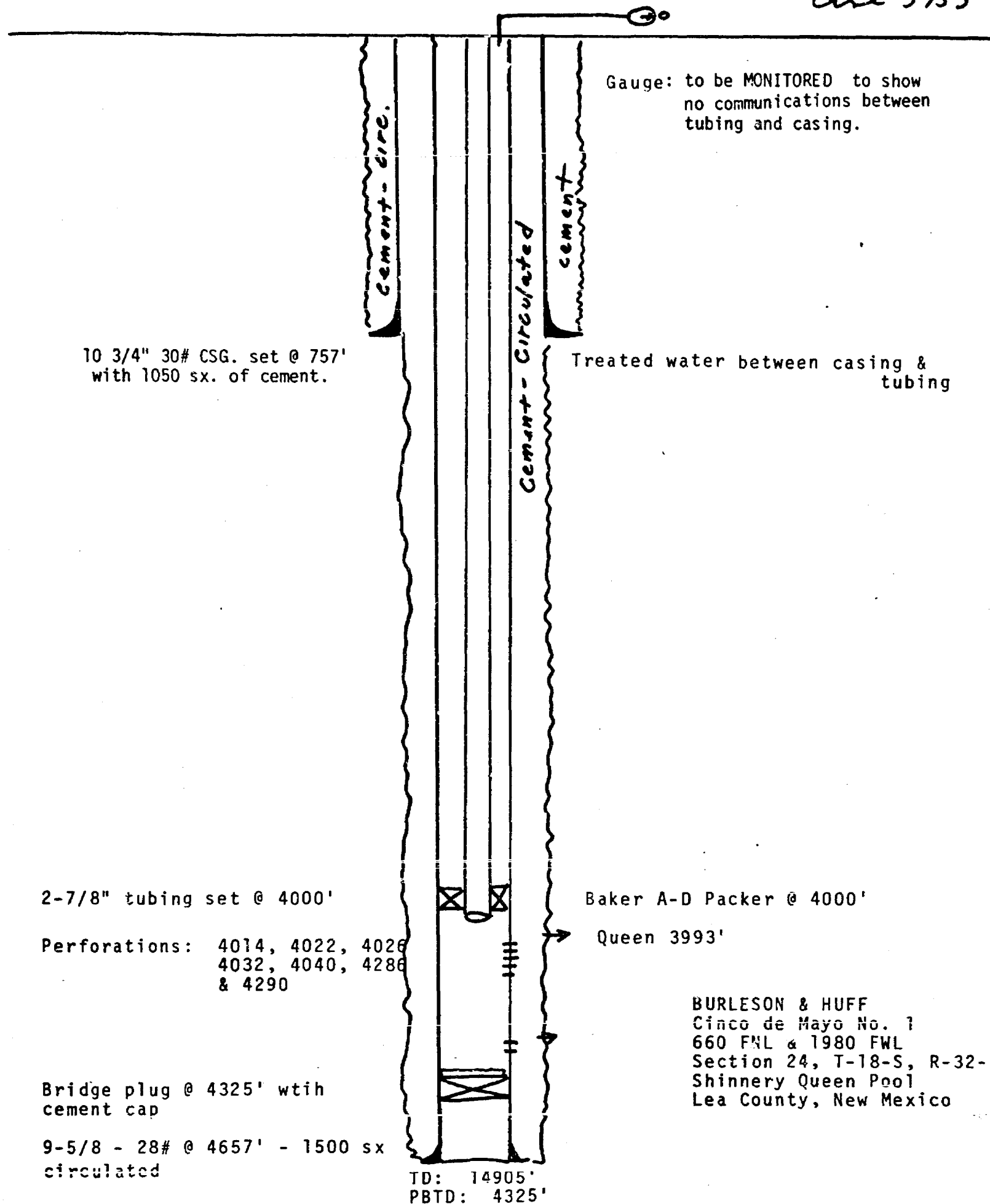
Co-Owner

(Title)

7-16-76

(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
Cinco de Mayo No. 1
660 FNL & 1980 FWL
Section 24, T-18-S, R-32-E
Shinnery Queen Pool
Lea County, New Mexico
Proposed Water Disposal Well
Pennsylvanian
Morrow
Queen
Yates
Strawn

Care 5755

LARRY C. SQUIRES
Partner

SNYDER RANCHES, LTD.

P. O. BOX 726
LOVINGTON, NEW MEXICO 88260

July 23, 1976
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe

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, Township 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: Laguna Plata, and Laguna Gatuna, and are operated by Pollution 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 yours,

SNYDER RANCHES LTD.



Larry C. Squires
Partner

ICS/ps

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. 5755

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 applicant Burleson & Huff,
are ~~is~~ 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 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 1/8
-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-vacuum} ~~pressure~~ gauge
or approved leak detection device should be attached to the

annulus in order to determine leakage in the casing, tubing, or packer. *if injection should be under 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 800 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:

(1) That the applicant, Burleson & Huff,
are ~~also~~ hereby authorized to utilize ~~its~~ 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 4000 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} ~~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. _____

injection ~~is by~~ *is by other than 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 applicant 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.



Radioactivity Log

COMPANY O.H. BERRY Burleson & Huff
WELL SUPERIOR FEDERAL NO. 1 Cinco de Mayo
FIELD WILDCAT
STATE NEW MEXICO COUNTY LEA

LOCATION:
SEC. 24 TWP. 18-S RGE. 32-E

OTHER SERVICES:

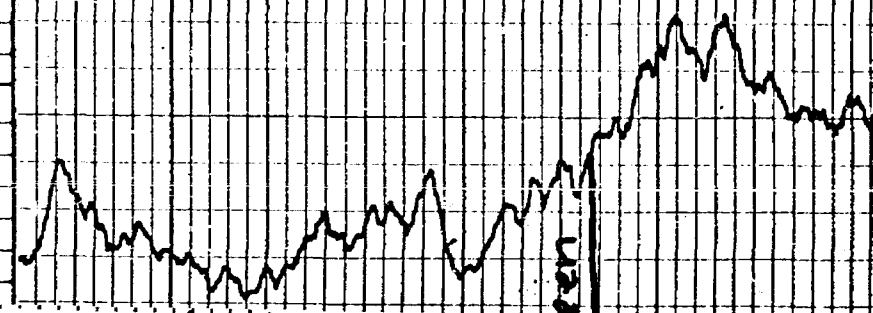
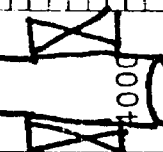
PERMANENT DATUM: G.L. ELEV. 3802'
LOG MEASURED FROM K.B. 16 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM K.B. ELEV. 3818'
D.P. 3817'
O.I. 3802'

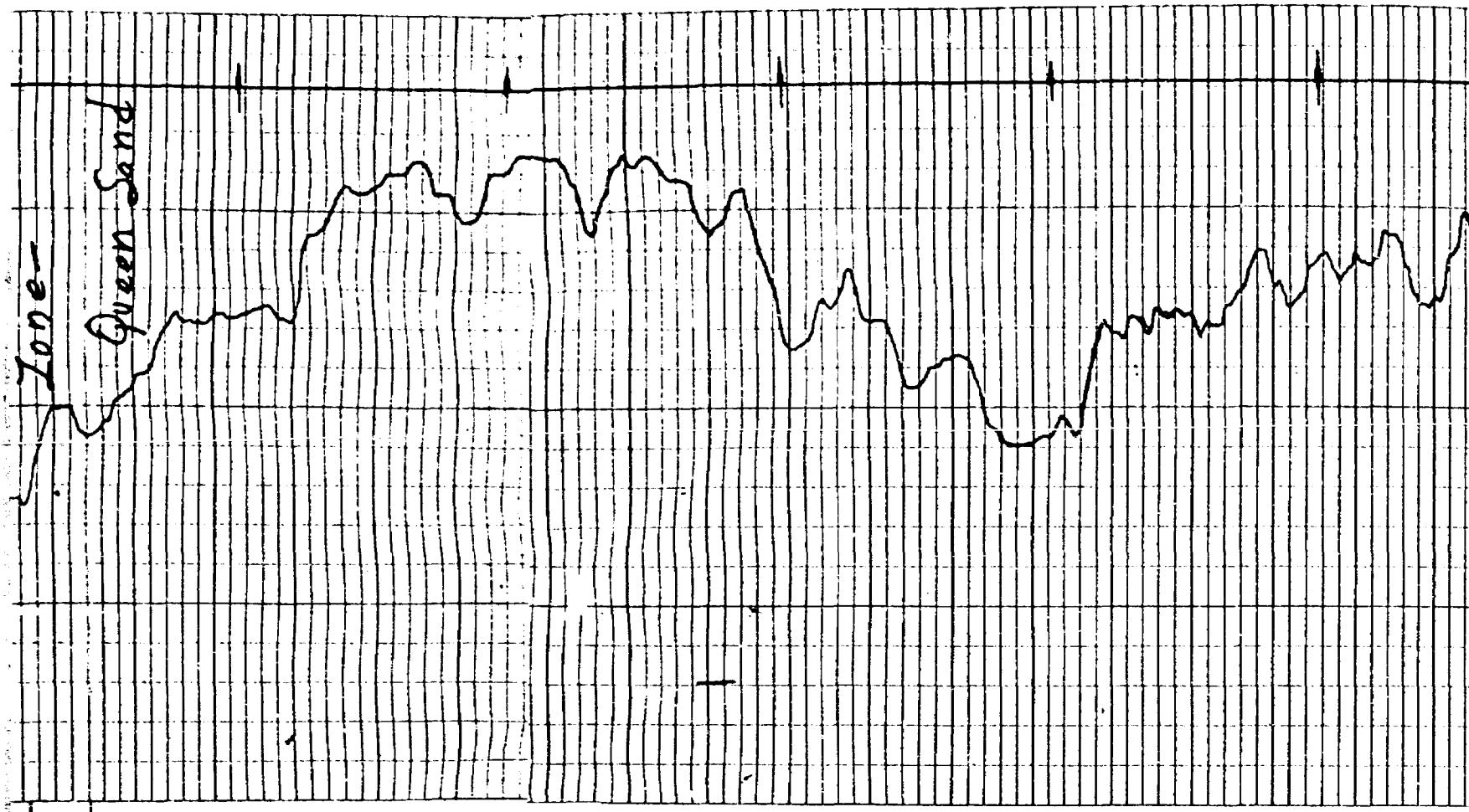
DATE 5-3-73
RUN NO. ONE
TYPE LOG GAMMA RAY-NEUTRON
DEPTH-DRILLER 4325 PBD
DEPTH-LOGGER 4235' CA/r
BOTTOM LOGGED INTERVAL 4324'
TOP LOGGED INTERVAL 3300'
TYPE FLUID IN HOLE WATER
MAX. SEC. TEMP., DEG. F.
RECORDED BY THOMPSON
WITNESSED BY MR. BERRY

RUN NO.	BORE-HOLE RECORD			CASING RECORD			
	BIT	FROM	TO	SIZE	WGT.	FROM	TO
				<u>9 5/8</u>	<u>40#</u>	<u>CHDS Inter</u>	<u>T.D.</u>

Treated water between pipe & tubing
Baker Packer @ 3990'

PERFS.

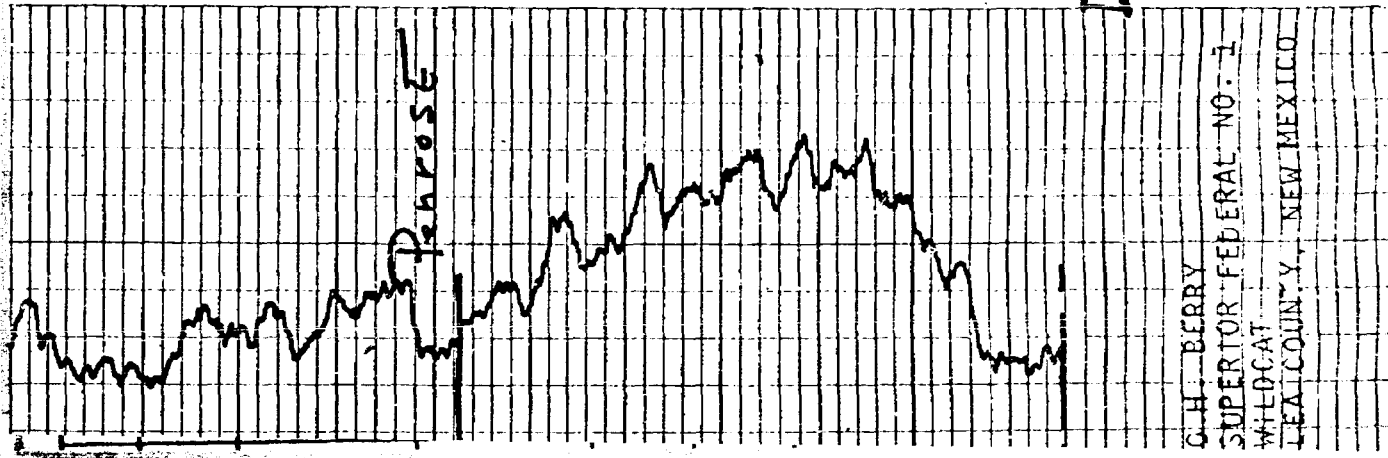




4100

4200





4300

