Earl R. Bruno

August 12, 1991

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

RE: J.H. McClure B #22
Injection Application

Gentlemen:

Enclosed is an Injection Application for the McClure B #22 well along with attachments.

I have not enclosed a copy of the newspaper application or certified receipts from offset operators. I will forward these to you upon my receipt of them.

If there are any questions, please contact me.

Thank you,

Jim Gray

Jim Gray

P.O. Box 590 • Midland, Texas 79702 • 915-685-0113

WELL TABULATION

Sec 19 T 24S R 38E Lea County, New Mexico

Texaco- West Dollarhide Drinkard Unit #8
1980 FSL & 2303 FWL
13 3/8" @ 352' 400sx
8 5/8" @ 3250' 2000sx
5 1/2" @ 6855 400sx
Drinkard Perfs 6482-6726
Queen Perfs 3696-3760 Squeezed with 150sx
P & A 10/88

Texaco- West Dollarhide Drinkard Unit #11
330 FSL & 1980 FEL
8 5/8" @ 3224' 2100sx
5 1/2" @ 6900' 525sx
Drinkard Perfs 6610-6838
Producer

Texaco- West Dollarhide Drinkard Unit #12
330 FSL & 990 FEL
9 5/8" @ 3225' 1500sx
5 1/2" @ 6899' 400sx
Drinkard Perfs 6675-6818
Water Injector

Texaco- West Dollarhide Drinkard Unit #10
660 FSL & 2303 FWL
13 3/8" @ 358' 400sx
8 5/8" @ 3237' 2000sx
5 1/2" @ 6836' 400sx
Drinkard Perfs 6664-6708
Water Injector

Texaco- West Dollarhide Drinkard Unit #5
2310 FNL & 2310 FWL
13 3/8" @ 389 Circulated
8 5/8" @ 3245 Circulated
5 1/2" @ 6875'
Drinkard Perfs 6584-6671
Queen Perfs 3707-3773 Squeezed
Water Injector

Texaco- West Dollarhide Drinkard Unit #6
2310 FNL & 2310 FEL
8 5/8" @ 3224' Circulated
5 1/2" @ 6900' 525sx
Drinkard Perfs 6626-6896
Queen Perfs 3740-3848 Squeezed
Producer

Texaco- West Dollarhide Drinkard Unit #7
1650 FSL & 1980 FEL
8 5/8" @ 3254 Circulated
5 1/2" @ 6899 525sx
Drinkard perfs 6670-6875
~~Queen Perfs 3754-3810 Squeezed~~
Water Injector

Sirgo- West Dollarhide Queen Sand Unit #1
330 FSL & 2310 FEL
10 3/4" @ 304' 250sx
7" @ 3749' 300sx
4 1/2" @ 3924' 440sx
Queen Perfs 3711-3829
Water Injector

WELL TABULATION (cont'd)

Sec 19 T 24S R 38E Lea County, New Mexico

Sirgo- West Dollarhide Queen Sand Unit #128
660 FSL & 2175 FWL
8 5/8" @ 416 250sx
5 1/2" @ 3950 1100sx
Queen Perfs 3702-3836
Water Injector

Earl Bruno- McClure B 23
1980 FNL & 990 FEL
14" @ 30' 3yds
8 5/8" @ 1265 750sx
5 1/2" @ 7055 2975sx
Drinkard Perfs 6964-6998
Producer

Sec 20 T 24S R 38E Lea County, New Mexico

Texaco- West Dollarhide Drinkard Unit #13
330' FSL & 330' FWL
8 5/8 @ 245 225sx
5 1/2 @ 6789 2200sx
Drinkard Perfs 6484-6788
Producer

Sec 30 T 24S R 38E Lea County, New Mexico

Texaco- West Dollarhide Drinkard Unit #15
990 FNL & 990 FEL
13 3/8" @ 299 275sx
8 5/8" @ 3199 1600sx
5 1/2" @ 6900 440sx
4" liner 3070-6666 200 sx
Drinkard Perfs 6624-6675
Producer

Sirgo- West Dollarhide Queen Sand Unit #100 Y
190 FNL & 1660 FEL
8 5/8" @ 410 250sx
5 1/2" @ 4070 1000sx
Queen Perfs 3738-3808
Producer

Sirgo- West Dollarhide Queen Sand Unit #107
230 FNL & 2630 FEL
8 5/8" @ 422 250sx
5 1/2" @ 4040 1000sx
Queen Perfs 3693-3824
Producer

Earl Bruno- McClure B 24
660 FNL & 660 FEL
8 5/8" @ 425 250sx
5 1/2" @ 4000 850sx
Queen perfs 3750-3804
S.I. Producer

McClure B22

Notice of our intentions to convert the McClure B22 to Water Injection was sent to the below listed on August 14, 1991.

BLM SURFACE
P.O. Box 1178
Carlsbad, NM 88221

Texaco Producing Inc.
Box 3109
Midland, Texas 79702

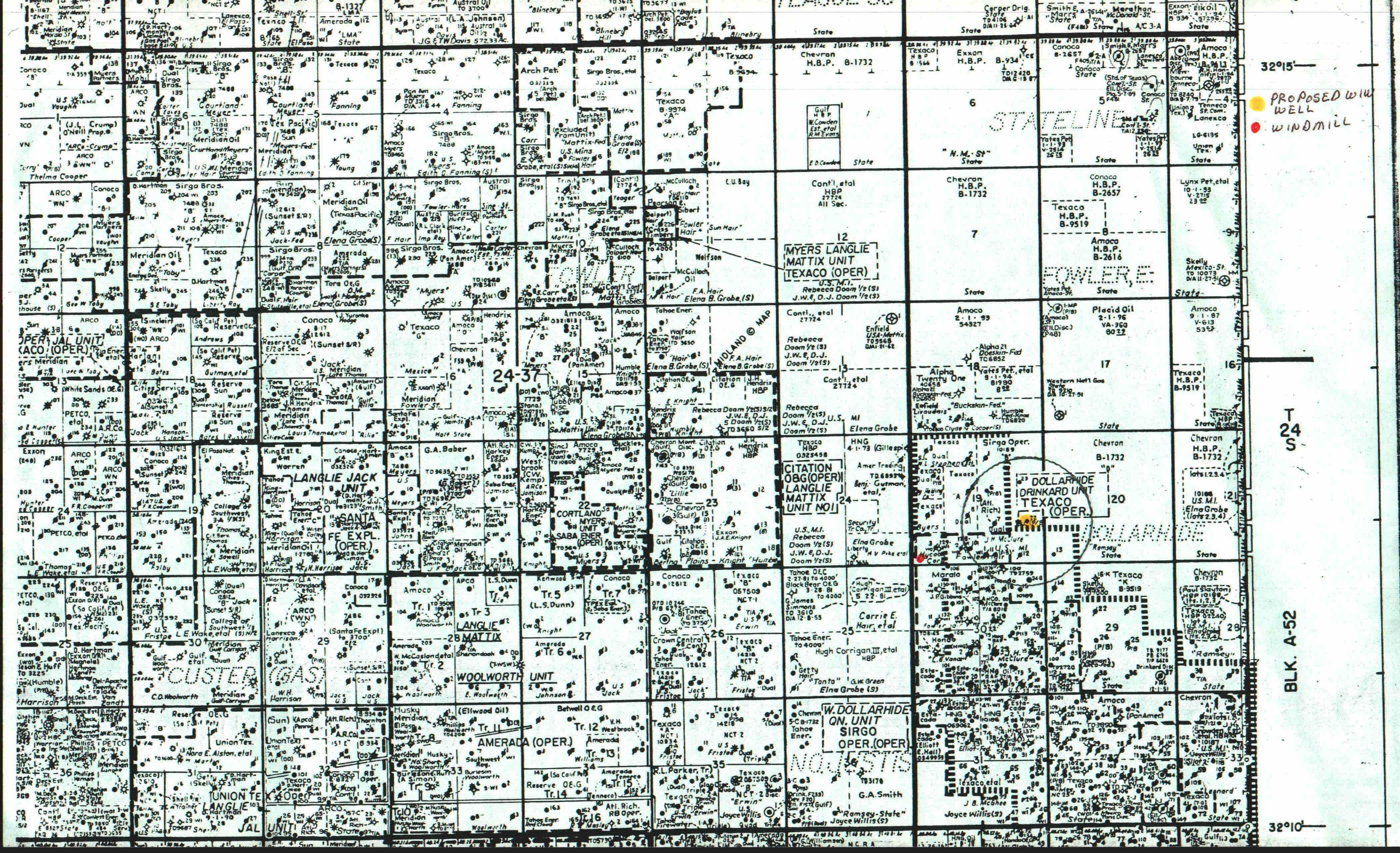
Placid Oil Co.
3900 Thanksgiving Tower
1601 Elm Street
Dallas, Texas 75201

Chevron
Box 1635
Houston, Texas 77251

Lonexco Inc.
Box 2730
Midland, Texas 79702

Sirgo Operating
214 West Texas, Suite 1200
Midland, Texas 79701

J. E. Gray
J. E. Gray



PROPOSED W/W WELL
WINDMILL
32°15'
32°10'
T 24 S
BLK. A-52
STATELINE
FOWLER, E.
DOLLARHIDE
DOLLARHIDE DRINKARD UNIT TEXACO (OPER)
MYERS LANGLIE MATTIX UNIT TEXACO (OPER)
CITATION OBG (OPER) LANGLIE MATTIX UNIT NO. 1
W. DOLLARHIDE QN. UNIT SIRGO OPER. (OPER)
LANGLIE JACK UNIT
SANTA FE EXPL. (OPER)
CORTLAND MYERS UNIT SABA ENER. (OPER)
LANGLIE MATTIX
WOOLWORTH UNIT
AMERADA (OPER)
CUSTER (GAS)
UNION TEX. LANGLIE JAL UNIT
MIDLAND MAP
24-37
Chevron H.B.P. B-1732
Exxon H.B.P.
Conoco H.B.P. B-2657
Texaco H.B.P. B-9519
Amoco H.B.P. B-2616
Placid Oil
Elena Grobe
Hugh Corrigan III, etal
G.A. Smith
Joyce Willis (S)

SMITH ENERGY SERVICES
A DIVISION OF ALLIED PRODUCTS CORPORATION

RESEARCH AND DEVELOPMENT

Report No: _____

EARL R. BRUNO

Company: ~~Permian Resources~~ Date: 8-14-91

Address: P.O. Box 590 County: Lea, New Mexico

Midland, Tx. 79702 Field: Sec. 19 T24S, R36E

Attention: Jim Gray Formation: _____

Date Sampled: _____ Lease: J. H. McClure "B"

Well: _____

WATER ANALYSIS

Specific Gravity:	1.0	pH:	8.5
Chloride:	2000 mg/l	Calcium:	120 mg/l
Bicarbonate:	300 mg/l	Magnesium:	50 mg/l
Sulfate:	380 mg/l	Total Iron:	none detected
Sulfide:	none detected	Sodium:	1300 mg/l
Total Hardness: (As $CaCO_3$)	500 mg/l	Total Dissolved Solids:	4350 mg/l
Resistivity:	0.3	Ohm Meters @:	75 deg F

Sample Source: _____

Remarks: _____

SAMPLE TAKEN FROM WATER WELL IN SW CORNER OF SEC AS INDICATED ON MAP

Analyst: Brian Whitman

Smith Representative: Roger Cramer

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: EARL R. BRUNO

Address: P.O.Box 590 MIDLAND TEXAS 79702

Contact party: JIM GRAY OR RANDY BRUNO Phone: 915-685-0113

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: J.E. GRAY Title ENGINEER

Signature: J.E. Gray Date: 8-12-91

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

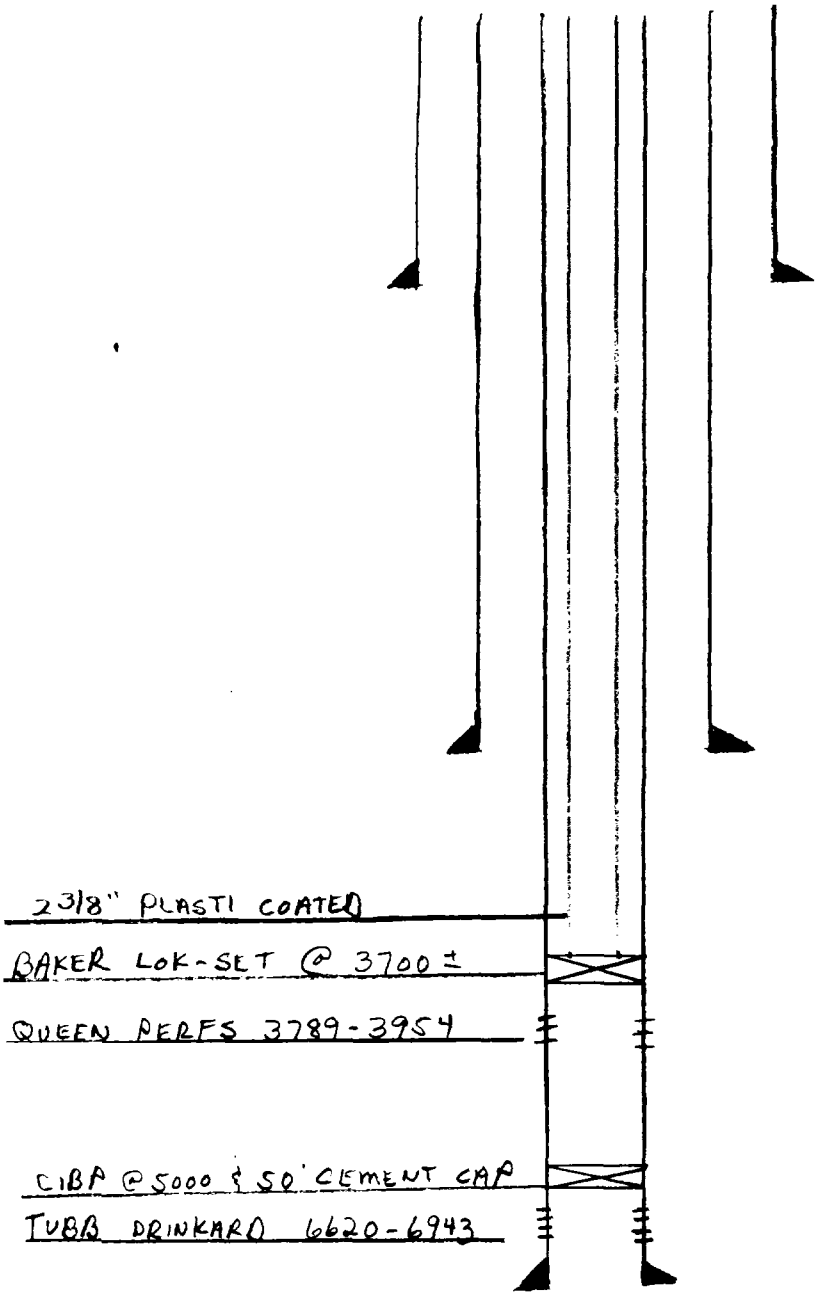
(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

J. H. McCLURE "B" #22
SEC 19, T24S, R38E
1650' FSL & 660' FEL
LEA COUNTY



14" CONDUCTOR @ 30' CIRCULATED
18" HOLE, CEMENT 2YDS REDIMIX

8 5/8" 24# @ 1293' CIRCULATED
12 1/4" HOLE, 850 SX CLASS C

5 1/2" @ 6999, DV TOOL @ 2740, 7 7/8" HOLE
1ST STAGE: 400 SX LIGHT & 300 SX C
2ND STAGE: 940 SX LIGHT & 100 SX C
TOC 1370' BY BOND LOG

(A) 1.) J.H. McClure "B" #22
1650' FSL & 660' FEL
Sec. 19, T 24 S, R 38 E
Lea County, NM

2.) 14" conducter @ 30'. Cemented with 2 yds RediMix
Circulated. 18" hole.

8 5/8" @ 1293'. 12 1/4" hole. Cemented with 850 sx c"
Circulated.

5 1/2" @ 6999'. 7 7/8" hole. DU tool @ 2740.
Cement 1st stage 400sx Lite & 300sx c
2nd stage 940sx Lite & 100sx c
to c 1370' by bond log

3.) 2 3/8" plastic coated tubing will be run to 3700'±
4.) Baker lock set packer will be set @ 3700' ±.

(B) 1.) Dollarhide Queen Formation

2.) Depth 3789 - 3954 Perforations

3.) Well originally drilled as Tubb/Drinkard producer. Casing collapsed @ 5200' and CIBP was set @ 5000' and capped with 50' cement.

4.) Tubb/Drinkard perfs 6620 - 6943. CIBP set @ 5000' and 50' cement cap.

5.) Next higher Yates @ 2870'
Next lower ABO @ 7000' (±)

McClure B #22 Operations

VII 1.) Average rate of injection will be 1BPM with maximum rate of same.

2.) System is closed.

3.) Maximum and average pressure of 1500PSI.

4.) Water will be re-injected produced water.

VIII Injection will be in Queen Formation @ 3789 - 3954'. The formation is 65' thick.

IX No stimulation will be required.

X Logs were submitted by ARCO upon completion (1982).

XI No fresh water wells.

XII No geological or physical evidence can be found that will allow migration of produced water into fresh water zones.

PERMIAN RESOURCES INCORPORATED

September 3, 1991

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

Re: J.H. McClure B22
S-19 T-24S R38E
Lea County, NM
State I #3
S-4 T-8S R33E
Chaves County, NM

Gentlemen:

I am enclosing a copy of the newspaper publication attachment on the above two wells.

If you have any further questions, please call.

Sincerely,

J. E. Gray

P. O. DRAWER 590 • MIDLAND, TEXAS 79702 • (915) 685-0113

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period

of

One weeks.

Beginning with the issue dated

August 16, 1991

and ending with the issue dated

August 16, 1991

Kathi Bearden
General Manager

Sworn and subscribed to before me this 28 day of Aug, 1991

Paula Parrish
Notary Public.

My Commission expires

Aug 5, 1995
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

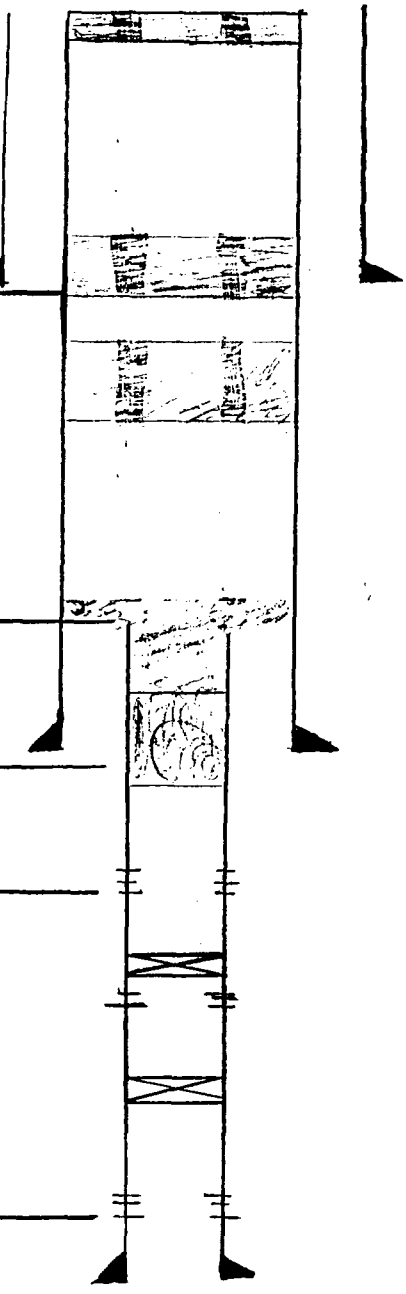
LEGAL NOTICE
August 16, 1991

Application has been made with the OCC to convert the J.H. McClure "B" #22 well to disposal. The location is 1650' FSL, 660'FEL of Section 19, T24S, R38E, Lea County, New Mexico.

Water will be injected into the Queen formation from 3789' to 3954'. Estimated maximum injection rate will be 300 Bbls per day at 1500 PSI maximum volumes.

Interested parties must file objections or requests for hearing with the Oil Conservation Commission, P.O. Box 2088, Santa Fe, New Mexico, 87501, within 15 days.

TEXACO WUWU # 6



10' SURFACE PLUG

100' PLUG 300'-400'

5½" CUT @ 3055'

100' PLUG 3100-3200

Queen
Perfs 3696-3760
Squeezed 150 SX

Drinkard
PERFS 6482-6726

13⅜" @ 352' 400 SX

100' PLUG 1225-1325

100' PLUG 3100-3000'

8⅝" @ 3250' 2000 SX

RETAINER @ 3850'
PERFORATE @ 3900' PUMP 100 SX

RETAINER @ 4300' & 10 SX CMT

5½" @ 6855' 400 SX

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

8-20-91

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:
MC _____
DHC _____
NSL _____
NSP _____
SWD X
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Earl R. Brunson J. H. McClure B #22-I 19-24-38
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

No objection date to make rec.

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed