

P.O. Box 1313
Monahans, TX 79765

March 4, 1987

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
Post Office Box 2088
State Land Office Building
Santa Fe, New Mexico 87501

Oil Conservation Division
District I
Post Office Box 1980
Hobbs, New Mexico 88240

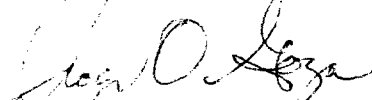
Gentlemen:

Attached is a Form C-108 "Application for Authorization to Inject" with all required attachments. I have purchased three wells in T-20-S, R-34-E, Lea County, New Mexico and I am requesting permission to convert one of them, the D & E Federal #1, to a saltwater disposal for economic reasons. These leases are marginally economical with hauling charges of 95¢ per barrel of produced water. Approval of this application will extend the life of these leases at least 15 years.

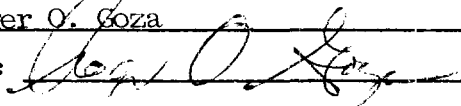
The water will be disposed of into the same formation from which it is produced, at a low pressure and rate. Permits to inject into the Seven Rivers formation have been approved for numerous wells in this field and it is requested that this application be approved administratively.

If you have any questions, or require additional information, please call me at (915) 943-2257.

Very truly yours,


Roger O. Goza

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Roger O. Goza
Address: P.O. Box 1313, Monahans, TX 79765
Contact party: Roger O. Goza Phone: (915) 943-2257
- 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: Roger O. Goza Title Owner
Signature:  Date: 4/30/87
- * 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. _____

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 footacre 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.

INJECTION WELL DATA SHEET

Roger O. Goza

D & E Federal

OPERATOR

LEASE

1

1980' FWL & 660' FSL

22

20-S

34-E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

Lea County, New Mexico

SchematicTabular DataSurface CasingSize 8 5/8 " Cemented with 375 sx.TOC Surface feet determined by circulationHole size unknownIntermediate CasingSize " Cemented with sx.TOC feet determined by Hole size Long stringSize 5 1/2 " Cemented with 440 sx.TOC 3000 feet determined by Temp SurveyHole size unknownTotal depth 3690'Injection interval3478 feet to 3496 feet perforated
(perforated or open-hole, indicate which)3533 feet to 3690 feet open-hole8 5/8" @ 1572'
Cement Circulated5 1/2" @ 3554'
TOC @ 3000' (TS)
OH to 3690'Tubing size 2 3/8" lined with plastic set in a
(material)Baker Model AD - 1 packer at 3375 feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Seven Rivers
2. Name of Field or Pool (if applicable) Lynch Yates Seven Rivers
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? as an oil producer
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) the lower portion of the Yates has been perforated but will not take fluids at the rate and pressure proposed
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Bone Spring 9104' Bend 12,987'
Morrow 13,041'

Attachment to Form C-108 - "Application for Authority to Inject"

Roger O. Goza - D & E Federal #1
Section 22, T-20-S, R-34-E
Lea County, New Mexico

Paragraph VII

1. The proposed average rate will be 56 BWPd.
The proposed average volume of fluids will be 56 BWPd.
The maximum rate will be 100 BWPd.
The maximum volume of fluids will be 100 BWPd.
2. The system will be open.
3. The proposed average injection pressure will be 650 psig.
The proposed maximum injection pressure will be 695 psig.
4. A water analysis is attached. The source of this water is the Seven Rivers formation. This project will be reinjection of produced water. A lower interval of the Yates formation is open in this well, but it will not take fluids at the rate and pressure proposed for disposal.

Paragraph VIII

The proposed injection zone is the Seven Rivers, which is a dolomite. The gross thickness is unknown; the net interval penetrated in the proposed injection well is 157 feet. The formation top occurs at 3533' (+143 SS). TD is 3690 feet. The injection interval is open hole.

The underground sources of drinking water overlying the proposed injection zone are as follows (obtained from the State Engineering Office):

<u>Geologic Name</u>	<u>Depth to Bottom of Formation</u>
Ogalalla	70 feet (+3605' SS)
Triassic	1600 feet (+2075' SS)

There are no known drinking water sources underlying the injection interval.

Paragraph IX

No stimulation is proposed.

Paragraph X

A copy of the well log is attached.

Page 2

Attachment to Form C-108 - "Application for Authority to Inject"

Roger O. Goza - D & E Federal #1

Paragraph XI

No fresh water well was found within one mile of the proposed injection well.

Paragraph XII

A signed statement is attached.

Attachment to Form C-108 - "Application for Authority to Inject"

Paragraph VI - Tabulation of data on all wells of public record within the area of review.

Well Type	Well Name & Location	Construction	Date Drilled	Depth	Record of Completion
Oil	Wallen - Bass #3 660' FSL & 330' FEL Sec. 21, T-20-S, R-34-E	13 3/8" @ 259' 7 " @ 3385'	2/13/79	3681'	Perfed 3480' - 3642' Acidized w/600 gal Fraced w/50,000 gal & 70,000 lbs
Oil	Wilson - Muse #2 660' FSL & 660' FEL Sec. 21, T-20-S, R-34-E	13 " @ 73' 10 3/4" @ 689' 8 5/8" @ 1227' 5 1/2" @ 3530'	1/ 2/58	3703'	P & A Schematic attached
Oil	ARCO - Mary I. Ballard #5 330' FSL & 990' FWL Sec. 22, T-20-S, R-34-E	13 3/8" @ 72' 7 " @ 3505'	12/ 3/62	3637'	OH 3505' - 3637' Natural Completion
Oil	Sinclair - Fed Ballard DE #6 1650' FSL & 990' FWL Sec. 22, T-20-S, R-34-E	8 5/8" @ 1550' 4 1/2" Liner 1438' - 3748'	6/14/65	3750'	P & A Schematic attached
Oil	French - Perry Federal #1 1650' FSL & 2310' FWL Sec. 22, T-20-S, R-34-E	8 5/8" @ 1650' 4 1/2" @ 3789'	7/26/62	3832'	P & A Schematic attached
Oil	Roger O. Goza - R&B Federal #1 330' FSL & 2310' FEL Sec. 22, T-20-S, R-34-E	8 5/8" @ 210' 5 1/2" @ 3642'	6/28/60	3685'	OH 3642' - 3685' Acidized w/3000 gal
Oil	Crown Cent. - Perry Fed #1 330' FSL & 990' FEL Sec. 22, T-20-S, R-34-E	8 5/8" @ 255' 4 1/2" @ 3689'	3/ 9/62	3713'	OH plugged back w/BP @ 3684' Perfed 3501' - 3669' Fraced w/25,000 gal & 50,000 lbs
Oil	ARCO - Ballard DE Fed #4 330' FNL & 990' FEL Sec. 27, T-20-S, R-34-E	13 3/8" @ 200' 5 1/2" @ 3689'	9/18/62	3690'	Perfed 3566' - 80' Fraced w/7500 gal & 7500 lbs Set BP @ 3540' on 9/25/84 Perfed 3474' - 3524' Acidized w/1600 gal

Well Type	Well Name & Location	Construction	Date Drilled	Depth	Record of Completion
Oil	Roger O. Goza - D&E Fed #2 330' FNL & 2310' FEL Sec. 27, T-20-S, R-34-E	8 5/8" @ 237' 5 1/2" @ 3665'	10/18/60	3701'	OH 3665' - 3701' Acidized w/3000 gal
Oil	ARCO - Mary Ballard #2 330' FNL & 2310' FNL Sec. 27, T-20-S, R-34-E	13 3/8" @ 68' 8 5/8" @ 1562' 7 " @ 3444'	12/ 7/61	3685'	OH 3644' - 3685' No treatment recorded
Oil	ARCO - Mary Ballard Fed #3 990' FNL & 990' FNL Sec. 27, T-20-S, R-34-E	13 3/8" @ 66' 8 5/8" @ 1588' 7 " @ 3490' 5 1/2" @ 3615'	7/25/62	3710'	OH 3615' - 3670' Traced w/3000 gal & 3000 lbs
Oil	ARCO - Ballard #1 1980' FNL & 1980' FNL Sec. 27, T-20-S, R-34-E	13 3/8" @ 66' 8 5/8" @ 1227' 1544' 5 1/2" @ 3642'	1/22/59 350 SX 370 SX	3797'	P & A Schematic attached

Spud 11/21/57

Plugged 1/ 7/58

Well Name - Wilson Oil Co. - #2 Muse
County, State - Lea County, NM
660' FSL & 660' FEL
Sec. 21, T-20-S, R-34-E

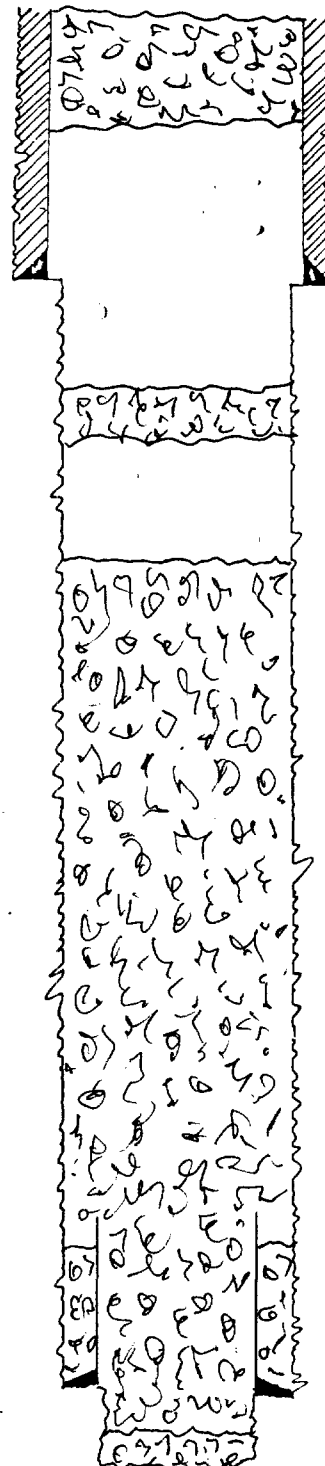
Surface Casing: 13"

Set at: 73' w/100 sx

Long String: 5 1/2"

Set at: 3530' w/50 sx

Top of Cement:



cement plug 35 sx
at surface

cement plug 60 sx
500' - 580'

TOC 775'
425 sx

5 1/2" cut off at 3205'

PB to 3691' w/lead wool

TD 3703'

OH 3530' - 3703'

Spud 11/19/58

Plugged 2/9/59

(Drilling & Exploration Co., Inc.)

Well Name - ARCO - Ballard #1

County, State - Lea County, NM

1980' FNL & 1980' FWL

Sec. 27, T-20-S, R-34-E

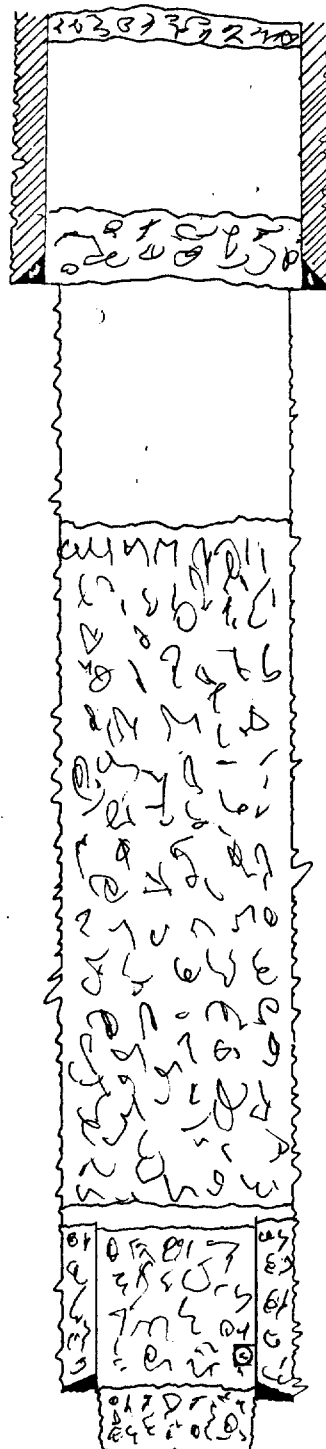
Surface Casing: 13 3/8"

Set at: 66' w/35 SX

Long String: 5 1/2"

Set at: 3642' w/150 SX

Top of Cement: _____



5 sx cement plug

10 sx cement plug

cement plug 1490' - 3200'
400 sx

5 1/2" cut off @ 3205'

Top of plug @ 3228'

Perf 3595' - 3606'
Squeezed w/50 sx

OH 3642' - 3797'

PBTD 3620'
TD 3797'

Spud 6/27/62

Plugged 7/15/63

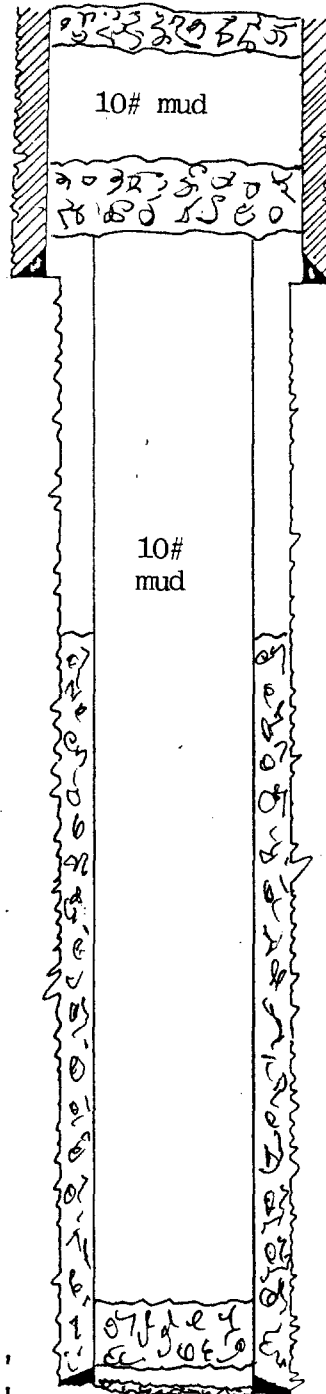
Well Name - L.R. French Jr. - Perry Federal #1
County, State - Lea County, NM

1650' FSL & 2310' FWL

Sec. 22, T-20-S, R-34-E

Surface Casing: 8 5/8"
Set at: 1650' w/440 SX

Long String: 4 1/2"
Set at: 3789' w/598 SX
Top of Cement: _____



15 sx Plug @ surface

Pulled 1575' of
4 1/2" casing

25 sx Plug 1450' - 1575'

50 sx Plug 3500' - 3765'

PBTD 3789'
TD 3832'

Spud 4/19/65

Plugged 2/28/80

Well Name - ARCO - Ballard DE Federal #6

County, State - Lea County, NM

1650' FSL & 990' FWL

Sec. 22, T-20-S, R-34-E

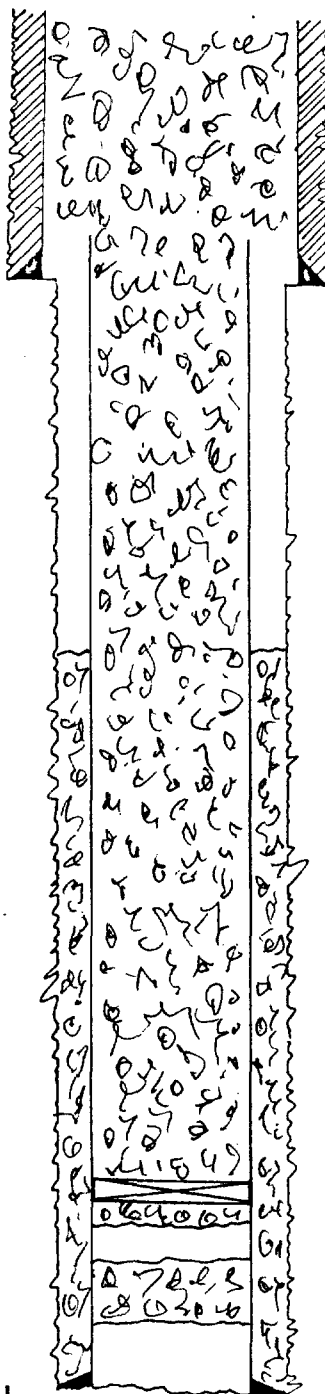
Surface Casing: 8 5/8"

Set at: 1550' w/475 SX

Long String: 4 1/2" liner

Set at: 1438' - 3748' w/550 SX

Top of Cement: _____

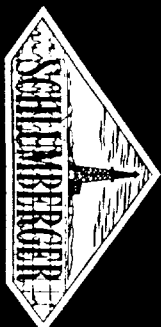


561 sx 3237' to
surface

cement retainer @ 3237'
w/50 sx

100' Plug 3323' - 3423'

TD 3750'



Sonic Log

COUNTY LEA
FIELD or LOCATION LYNCH
WELL D & E FEDERAL # 1

COMPANY A. J. VOGEL AND TOM BROWN

COMPANY A. J. VOGEL AND TOM BROWN
WELL D & E FEDERAL # 1
FIELD LYNCH
LOCATION SEC. 22-20S-34E
COUNTY LEA
STATE NEW MEXICO

Other Surveys
GRN
Location of Well
1980' FROM W/1
660' FROM S/L
Elevation: K.B.: 3676
D.F.: 3676
or G.L.: 3675

Log Depths Measured From DF 1' Ft. above GL

RUN No.	ONE
Date	4-12-60
First Reading	3549
Last Reading	0
Feet Measured	3549
Csg. Schlum.	-
Csg. Driller	3285
Depth Reached	3553
Bottom Driller	3550
Mud Nat.	BRINE WATER
Dens.	Visc.
Mud Resist.	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺
" Res. BHT	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺
" pH	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺
" Wtr. Loss	CC 30 min
" Rmf	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺
Bit Size	6 1/4"
Span:	To To
Opt. Rig Time	3' CSG To TD
Truck No.	3 HOURS
Recorded By	2526-HOBBS
	DAVIS

FOLD HERE

REMARKS VLC No.:
VLS No.: GR B: 50 455 100 500 T.C. 6 SPEED: 50/36 FT./MIN. T.C. 1
VLP No.: 6 1/4" HOLE-TAPE BUMPERS USED TOP, BOTTOM, AND CENTER OF TO

$$\text{Velocity (feet per second)} = \frac{1,000,000}{\text{Interval Transit Time (microseconds per foot)}}$$

SPONTANEOUS POTENTIAL
millivolts



GAMMA RAY

0 6

6 12

DEPTHS

0000

0100

INTERVAL TRANSIT TIME

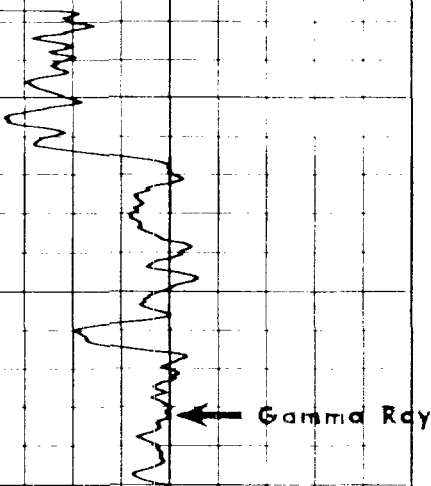
microseconds per foot

← increases

T 3 R 1 3 R 2

100

70



- | ↔ | +

GAMMA RAY

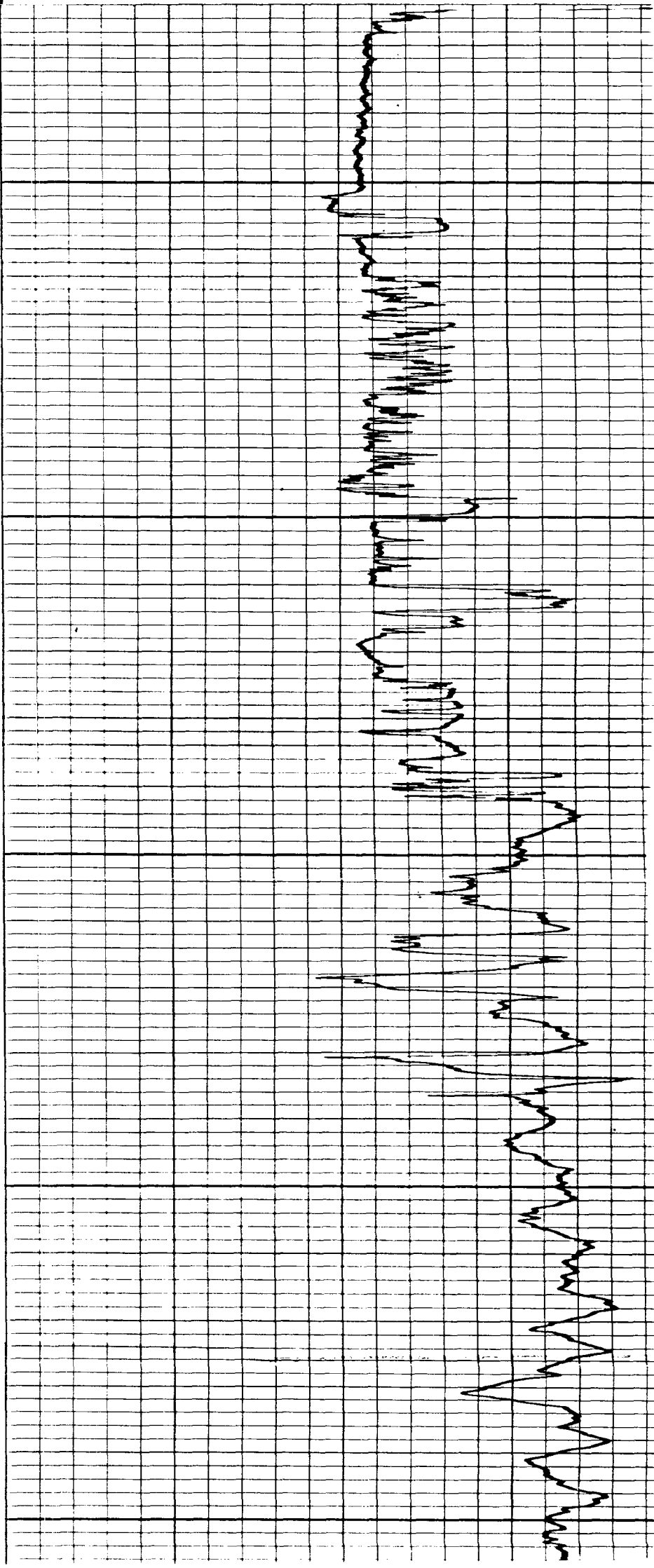
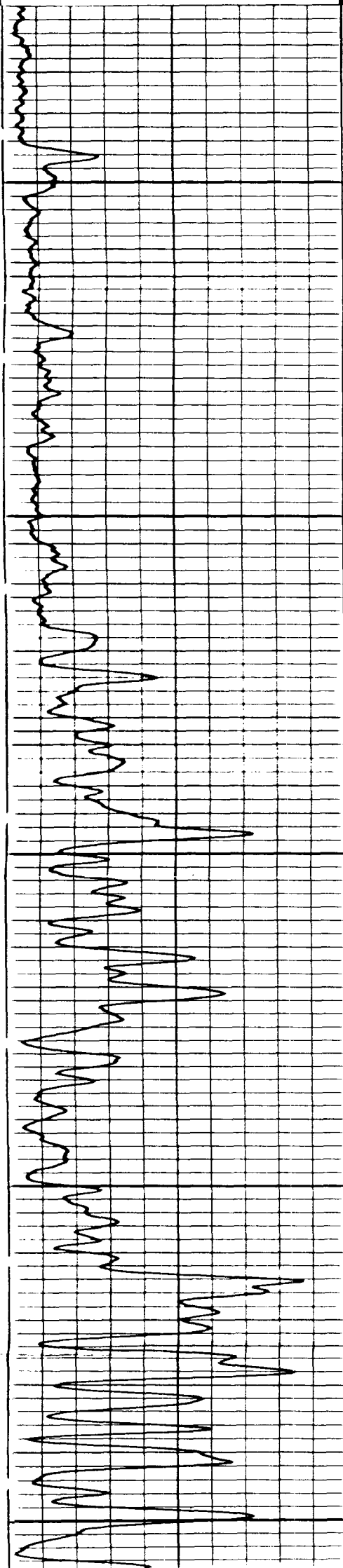
0 6

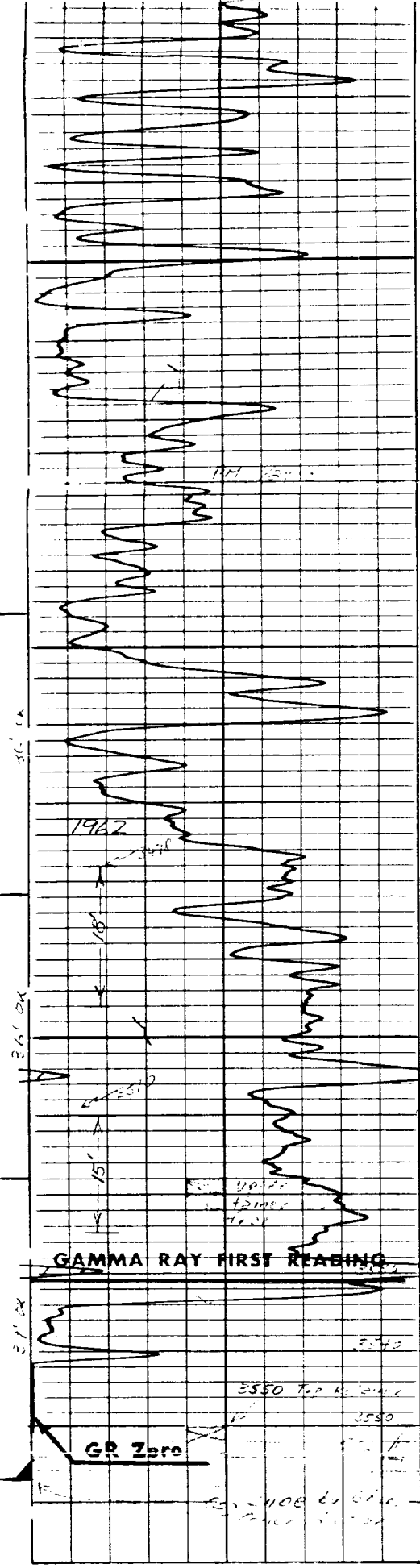
6 12

3200

3300

3400



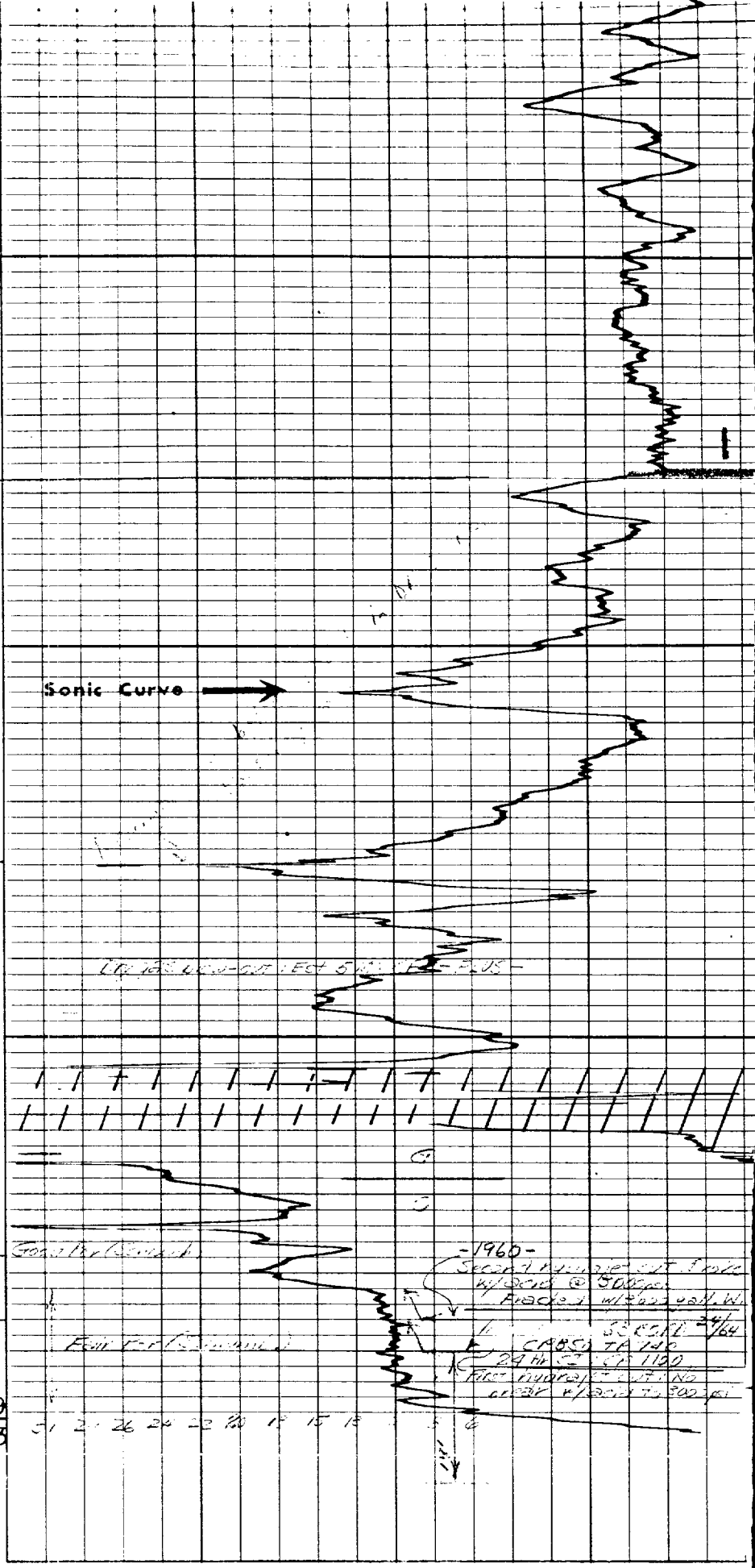


3400

3500

FR 3549

TD 3553



1st reading of Sonic Curve by 2nd 1100 ft. 300 ft. 3553

2nd reading of Sonic Curve by 2nd 1100 ft. 3553

3rd reading of Sonic Curve by 2nd 1100 ft. 3553

0	6
6	12



A MAGCOBAR OPERATION

INDUSTRIAL AND PRODUCTION CHEMICALS — AN OPERATION
OF MAGCOBAR — DRESSER INDUSTRIES, INC.

WATER ANALYSIS REPORT

Analysis No. 423

Company Texas American

Sample No. _____

Field _____

Sampled By LaRoche

Lease or Unit D & E Fed

Sample Date 5-16-83

Well #1

Sales Engineer Davis

Sample Location Wellhead

Location Lea County, NM

DISSOLVED SOLIDS

Cations	mg/l		meq/l
Sodium, Na ⁺ (calc.)	<u>9,177</u>	÷ 23	<u>399</u>
Calcium, Ca ²⁺	<u>1,600</u>	÷ 20	<u>80</u>
Magnesium, Mg ²⁺	<u>600</u>	÷ 12.2	<u>49</u>
Iron, Fe ²⁺ (total)	<u>0</u>	÷ 27.9	
Barium, Ba ²⁺		÷ 68.7	
Strontium, Sr ²⁺		÷ 43.8	

Anions	mg/l		meq/l
Chloride, Cl ⁻	<u>15,500</u>	÷ 35.5	<u>437</u>
Bicarbonate, HCO ₃ ⁻	<u>976</u>	÷ 61	<u>16</u>
Sulfate, SO ₄ ²⁻	<u>3,600</u>	÷ 48	<u>75</u>
Carbonate, CO ₃ ²⁻		÷ 30	
Hydroxide, OH ⁻		÷ 17	
Sulfide, S ²⁻ (total)		÷ 16	

Total Dissolved Solids (calc)

31,453 mg/l

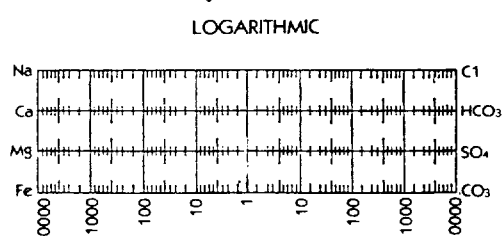
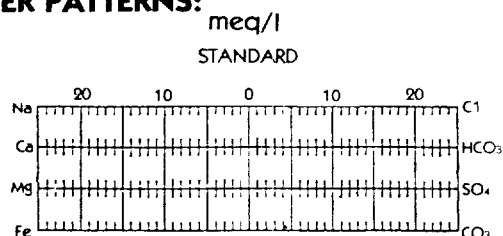
DISSOLVED GASES

Hydrogen Sulfide, H₂S _____ mg/l Carbon Dioxide, CO₂ _____ mg/l Oxygen, O₂ _____ mg/l

OTHER PROPERTIES

pH 5.90 Alkalinity 1190 mg/l (CaCO₃) Specific Gravity 1.020

WATER PATTERNS:



Remarks _____

Analyst Neely

Analysis Date 5-18-83

Order Code: PM-1161-A

Litho in U.S.A.

TRIAL CALCULATION -- NOT SAVED TO DATA FILE

(2) --- CATIONS (mg/l)

(3) --- ANIONS (mg/l)

(4) --- MISC ---

C: SODIUM : 9177.0
 C: CALCIUM : 1600.0
 C: MAGNESIUM: 600.0
 C: IRON : .0
 C: BARIUM : *****
 C: STRONTIUM: *****
 C: POTASSIUM: *****

CHLORIDE : 15500.0
 BICARBONATE: 976.0
 SULFATE : 3600.0
 CARBONATE: *****
 !! = SODIUM CALCULATED
 ***** = NO DATA KEYED

SULFIDE : ***** mg/l
 OXYGEN : ***** mg/l
 PH : 5.90
 SPEC GRAV : 1.020
 SAMP TEMP : 72.0 DEG F

CALCIUM CARBONATE

CALCIUM SULFATE

TEMPERATURE	STABILITY INDEX
70. DEG F	-.90
72. DEG F	-.87
82. DEG F	-.71

TEMPERATURE	EST. SOLUBILITY
62. DEG F	4669. mg/l
72. DEG F	4678. mg/l
82. DEG F	4688. mg/l

TOTAL DISSOLVED SOLIDS : 31453.0 mg/l APPROX CaSO4 PRESENT : 5105. mg/l

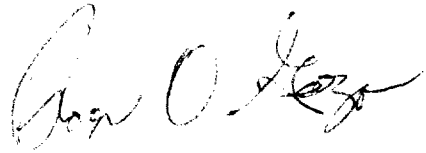
DO YOU WISH TO DO ANOTHER TRIAL ANALYSIS ? (Y/N):

P.O. Box 1313
Monahans, TX 79765

March 11, 1987

S T A T E M E N T

I 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.

A handwritten signature in cursive script, appearing to read "Glen O. Herzog". The signature is written in dark ink and is located in the lower right portion of the document.

P.O. Box 1313
Monahans, TX 79765

March 4, 1987

To: All Interested Parties (address list attached)

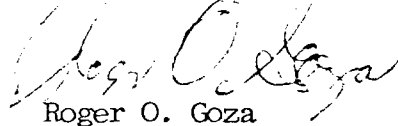
Gentlemen:

I have submitted a C-108 - "Application for Authorization to Inject" to the New Mexico Oil Conservation Division requesting permission to convert the D & E Federal #1 located 1980' FWL and 660' FSL, Section 22, T-20-S, R-34-E, Lea County, New Mexico, to a saltwater disposal well. The proposed injection will be into the Seven Rivers formation (3533' - 3690') at an average rate of 56 BWPD at 650 psig. The purpose of this project will be to dispose of water produced by R & B Federal #1 and D & E Federal #2 wells.

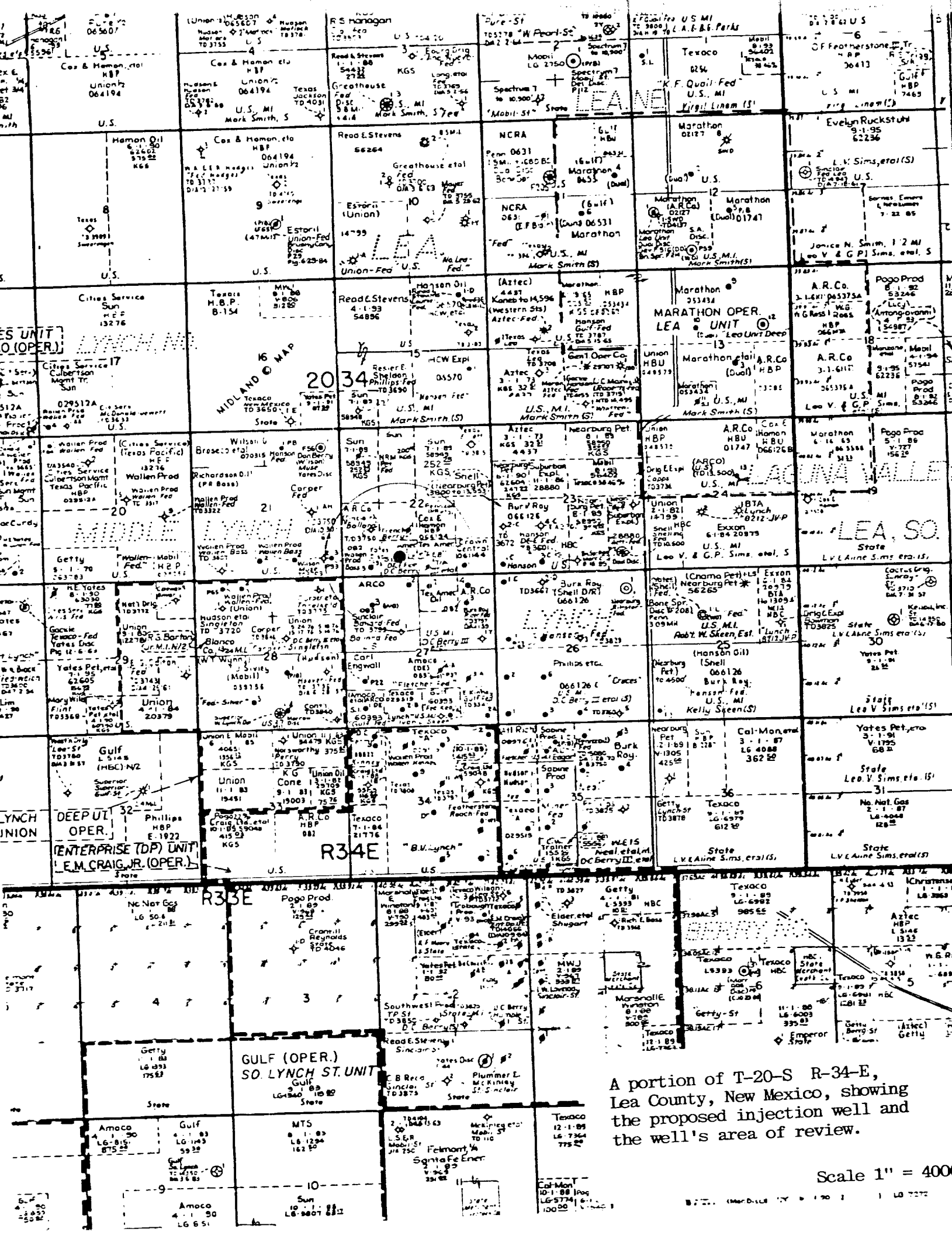
Interested parties who want to file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, must do so within 15 days.

If you have any questions, please call me at (915) 943-2257.

Very truly yours,



Roger O. Goza



A portion of T-20-S R-34-E, Lea County, New Mexico, showing the proposed injection well and the well's area of review.

Scale 1" = 400'

cc: Hondo Oil & Gas Company
105 W. 3rd, Suite 428
Roswell, NM 88201

Wallen Production Company
P.O. Box 1960
Midland, TX 79702

Sun Exploration & Production Company
600 Claydesta Plaza
Midland, TX 79705

Cox & Hamon
% Mr. Jake L. Hamon
3525 Andrews Hwy, Suite 105A
Midland, TX 79703

Crown Central Petroleum Corp.
4000 N. Big Spring, Suite 213
Midland, TX 79705

Union Oil Company of California
300 Carrizo
Midland, TX 79701

Ronald Phillips Berry
Daniel C. Berry III
Box 1006
Eunice, NM 88231

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. ☐ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: HONDO OIL & GAS COMPANY 105 W. 3rd, SUITE 428 ROSWELL, NM 88201	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P 537 069 211
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>Bellicia</i>	
6. Signature - Agent <i>Bellicia</i>	
7. Date of Delivery 5-4-87	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. ☐ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: SUN EXPLORATION & PRODUCTION COMPANY 600 CLAYDESTA PLAZA MIDLAND, TX 79705	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P 537 069 213
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>Dannette H. Empey</i>	
6. Signature - Agent X	
7. Date of Delivery 5-4-87	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. ☐ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: WALLEN PRODUCTION COMPANY PO BOX 1960 MIDLAND, TX 79702	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P 537 069 212
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	
6. Signature - Agent <i>2-2-78</i>	
7. Date of Delivery 5-4-87	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. ☐ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: CROWN CENTRAL PETROLEUM CORP. 4000 N. BIG SPRING, SUITE 213 MIDLAND, TX 79705	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P 537 069 215
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>D. McLean</i>	
6. Signature - Agent X	
7. Date of Delivery 5/5/87	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. ☐ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: RONALD PHILLIPS BERRY & DANIEL C. BERRY III BOX 1006 EUNICE, NM 88231	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P 537 069 210
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>Mrs. Daniel C. Berry</i>	
6. Signature - Agent <i>MAY 4 1987</i>	
7. Date of Delivery	
8. Addressee's Address (ONLY if requested and fee paid)	

PS Form 3811, July 1983

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. ☐ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: UNION OIL COMPANY OF CALIFORNIA 300 CARRIZO MIDLAND, TX 79701	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P 537 069 216
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>Betty Wilcox</i>	
6. Signature - Agent <i>5-14-87</i>	
7. Date of Delivery	
8. Addressee's Address (ONLY if requested and fee paid)	

PS Form 3811, July 1983

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. 1. ☐ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: MR. JAKE L. HAMON PO BOX 663 3900 REPUBLIC NATIONAL BANK TOWER DALLAS, TX 75221	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P 537 069 225
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>[Signature]</i>	
6. Signature - Agent <i>5-15-87</i>	
7. Date of Delivery	
8. Addressee's Address (ONLY if requested and fee paid)	

PS Form 3811, July 1983

DOMESTIC RETURN RECEIPT

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, _____

Robert L. Summers

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

May 5, 1987

and ending with the issue dated

May 5, 1987

Robert L. Summers
Publisher.

Sworn and subscribed to before

me this 6 day of

May, 1987

Vera Murphy
Notary Public.

My Commission expires _____

Nov. 14, 1988
(Seal)

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

LEASE NOTICE

MAY 5, 1987

Roger O. Goza

P.O. Box 1313

Monahans, TX 79756

(915) 943-2257

Has applied to the State of
New Mexico Oil Conservation
Division for a permit to inject
produced water into the D & E
Federal #1, located 1980' FWL
and 660' FSL in Section 22,
T-20-S, R-34-E, Lea County, New
Mexico for purpose of saltwater
disposal. Injection will be into
the Seven Rivers formation at a
depth of 3633 feet to 3690 feet.
The proposed rate will be 56
BWPD at a pressure of 650 psig.

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