

Operator: National Petroleum Company Well: FRESHER LAKE No 4

DATE IN 12 1-95      RELEASE DATE 12 21-95      DATE OUT 12 27-95

~~Original Order:~~ R-                      Secondary Recovery                      Pressure Maintenance

~~X~~ **SALT WATER DISPOSAL** Commercial Well

WIPP Capitan Reef

Data is complete for proposed well(s)? *YFS* Additional Data Req'd

2 Total # of AOR

/ # of Plugged Wells

ITS Tabulation Complete

#### 4.5 Schematics of P & A's

445 Cement Tops Adequate

*No* AOR Repair Required

Injection Formation(s) San Andres Compatible Analysis 465

Source of Water or Injectate AREA PRODUCTION

145 Copy of Legal Notice

443 Information Printed Correctly

### Correct Operators

2/1/1 Copies of Certified Mail Receipts

*110* **Objection Received**

Set to Hearing Date

**NOTES:**

**APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL?** *YES*

1st Contact:	Telephoned	Letter	Date	Nature of Discussion
--------------	------------	--------	------	----------------------

2nd Contact:	Telephoned	Letter	Date	Nature of Discussion
--------------	------------	--------	------	----------------------

3rd Contact:	Telephoned	Letter	Date	Nature of Discussion

SNO 12-21-95

CAMPBELL, CARR & BERGE, P.A.  
LAWYERS

MICHAEL B. CAMPBELL  
WILLIAM F. CARR  
BRADFORD C. BERGE

MICHAEL H. FELDEWERT  
TANNIS L. FOX  
TANYA M. TRUJILLO  
PAUL R. OWEN

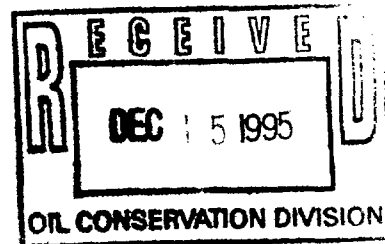
JACK M. CAMPBELL  
OF COUNSEL

JEFFERSON PLACE  
SUITE 1 - 110 NORTH GUADALUPE  
POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87504-2208  
TELEPHONE: (505) 988-4421  
TELECOPIER: (505) 983-6043

December 15, 1995

**HAND-DELIVERED**

William J. LeMay, Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
2040 South Pacheco Street  
Santa Fe, New Mexico 87503



Re: Application of Hanson Operating Company, Inc., for Salt Water Disposal,  
Chaves County, New Mexico

Dear Mr. LeMay:

Hanson Operating Company, Inc., has previously filed an application in which it sought administrative approval to use its Presler Lake Well No. 4 for salt water disposal. This well is located 330 feet from the North line and 1650 feet from the East line of Section 12, Township 9 South, Range 29 East and Hanson proposes to use the well for injection into the San Andres formation, Many Gates-San Andres Pool, at a depth of 2445 feet to 3130 feet. Enclosed you will find an Affidavit of Publication which confirms that notice of this application was published in the *Roswell Daily Record* on December 7, 1995.

No objection to this application has been received by Hanson from the surface owner. Hanson operates all offsetting tracts within one-half mile of this well and accordingly, all information concerning this application for administrative approval has now been provided to the Division. Should you need anything further from Hanson to proceed with your consideration of this application, please advise.

Very truly yours,

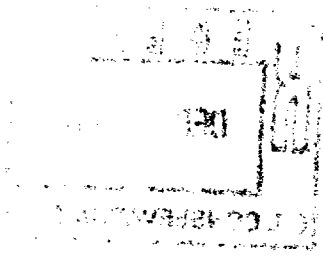
A handwritten signature in dark ink, appearing to read "William F. Carr". The signature is fluid and cursive, with a large, stylized initial "W".

WILLIAM F. CARR

WFC:mlh

Enclosure

cc: Mr. David Sweeney



AFFIDAVIT OF PUBLICATION

County of Chaves  
State of New Mexico

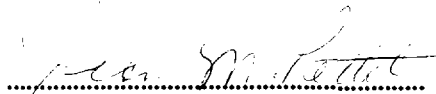
I, Jean M. Pettit,  
Bus. Manager,

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

of: one time weeks

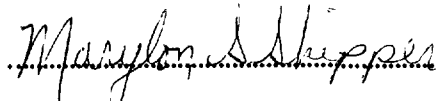
beginning with issue dated  
December 7th, 1995

and ending with the issue dated  
December 7th, 1995

  
Manager

Sworn and subscribed to before me

this 7th day of  
December, 1995

  
Notary Public

My Commission expires

July 25, 1998

(SEAL)

Publish December 7, 1995

LEGAL NOTICE

December 7, 1995

Hanson Operating Company, Inc. hereby gives notice to the public that it has filed an application with the New Mexico Oil Conservation Division seeking authority to inject water for the purpose of disposal in its Preser Lake Well No. 4 located 330 feet from the North line and 1650 feet from the East line of Section 12, Township 9 South, Range 29 East, N.M.P.M., Chaves County, New Mexico. The proposed injection will be into the San Andres formation, Many Gates-San Andres Pool at a depth of 2445 feet to 3130 feet. The maximum injection rate sought is 1000 barrels of water per day and the maximum surface pressure to be used will be 1000 psia. Any objection to this application must be filed within fifteen (15) days of the date of this advertisement at the Oil Conservation Division, Post Office Box 6429, Santa Fe, New Mexico 87505. Questions concerning this application should be directed to Mr. David Sweeney, Hanson Operating Company, Inc., Post Office Box 1515, Roswell, New Mexico 88202-1515. Telephone (505) 622-7330.

SWC 12.15.95

CAMPBELL, CARR & BERGE, P.A.  
LAWYERS

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WILLIAM F. CARR  
BRADFORD C. BERGE

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POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87504-2208  
TELEPHONE: (505) 988-4421  
TELECOPIER: (505) 983-6043

December 1, 1995

**HAND-DELIVERED**

William J. LeMay, Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
2040 South Pacheco Street  
Santa Fe, New Mexico 87503

Re: Application of Hanson Operating Company, Inc., for Salt Water Disposal,  
Chaves County, New Mexico

Dear Mr. LeMay:

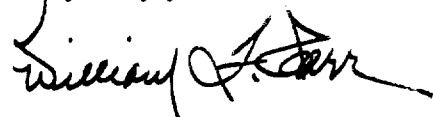
Enclosed are two copies of completed Oil Conservation Division Form C-108 which is the application of Hanson Operating Company, Inc., in the above-referenced matter.

Hanson requests that this application be considered for administrative approval pursuant to the provisions of Division Rule 701 C.

We have provided a copy of this application to the Oil Conservation Division's Office in Artesia, New Mexico and have arranged for a legal notice to be published on December 7, 1995 in the *Roswell Daily Record*. The Affidavit of Publication will be provided to the Division once it has been received.

Your attention to this matter is appreciated.

Very truly yours,



WILLIAM F. CARR

WFC:mlh

Enclosure

cc: Mr. David Sweeney

RECEIVED

DEC 1 1995

Oil Conservation Division

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ Yes ☒ No
- II. Operator: Hanson Operating Company, Inc.  
Address: P.O. Box 1515, Roswell, New Mexico 88202-1515  
Contact party: David Sweeney Phone: 505-622-7330
- 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: David Sweeney Title Drilling & Production Superintendent  
Signature: David Sweeney Date: 11-27-95
- \* 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 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.

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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.

C-108  
Application For Authorization for Disposal  
Hanson Operating Company, Inc.  
Chaves County, New Mexico

Exsisting Well (P&A)  
Presler Lake Well #4  
Unit B Sec 12T 9S R29E

- I. The purpose of this application is to request authorization to dispose of produced water into the above captioned well.

Hanson Operating Company, Inc., plans to re-enter this well, drill out all exsisting cement plugs and approximately 80' of new formation. A 4 1/2" liner will be set and cemented. The San Andres formation will be perforated and stimulated for the disposal of produced water.

II. Operator: Hanson Operating Company, Inc.  
P. O. Box 1515  
Roswell, New Mexico 88202-1515  
David Sweeney 505-622-7330

III. Well Data: See Attachment A.

IV. This is not an expansion of an existing project.

V. See attached maps, Attachment B.

VI. See Attachedment C.

VII. 1. Proposed average daily disposal volume approximately 300 BWPd. Maximum daily disposal volume approximately 1000 BWPd, depending on further drilling in the field.

2. This will be an open system.

3. A step rate test will be ran on the San Andres Formation. Proposed maximum disposal pressure approximately 1000 psi.

4. Sources will be produce water from the Many Gates and Cato San Andres fields.

5. See Attachment D

Application for Authorization for Disposal

- VIII Geological Data: Permian San Andres: This zone is composed of buff to brown Anhydrite Dolomite containing pinpoint and fractured porosity.

Thickness: Top of San Andres to base of porosity-875'  
Porosity Thickness-34'

Depth- Top of San Andres-2445' Top of San Andres Porosity-3130

Potable water- No known fresh water aquifers underlying or overlying the disposal zone during the drilling or the Presler Lake wells in the area, no fresh water zone were encountered.

- IX The proposed injection zone in the well will be stimulated using approximately 3000-5000 gallon of 20% NeFe acid with additives. A sand water Frac is not planned at this time, but could be needed.
- X Well logs on the Presler Lake #4 well have been submitted to Artesia OCD office with the C-105 dated 7-15-93
- XI There is not any fresh water wells or wind mills within 1 mile of the proposed disposal well. This was verified with the New Mexico State Engineering Office (Don Urbina) on 11-15-95.
- XII Examination of Geological & Engineering data indicates there are no faults in the San Andres Formation or shallower rocks in this area. To date we have no evidence of open faults on any other Hydrologic connections between the disposal zone and the underground source of water.
- XIII Proof of Notice
1. Certified letters sent to the surface owner and off-set operators-attached. Attachment E
  2. Copy of legal advertisement attached. Attachment F
- XIV Certification is signed.

**Page 1**

Lease Name/Location	Casing Strings	Tubing	Packer	Injection Formation	Proposed	Original Purpose Of Well	Other Perfs	2-Next Lower (deeper) Oil or Gas Zone
					Injection Interval (Perfs)			
Presbiter Lake #4	10 3/4 40.5# at 397' (circ 85 gx)	2 3/8 4.7# J-55	Baker Model AD-1	San Andres 3140-3200'		Drilled as a	None	1-Queen
B 12-9S-29B	7" 23# at 3120 (TOC 1850')	Plastic coated	or equivalent			developmental well		2-Devonian
NW 1/4 NE 1/4	Proposed Liner	To be set at 3040'	Plastic coated					
1650' PEB & 330' PNL	4 1/2 10.5# at 3070-3250 w/75 gx							



HANSON OPERATING COMPANY, INC.

United Bank Plaza, Suite 1200  
Post Office Box 1515  
Roswell, New Mexico 88202-1515

Phone: (505) 622-7330

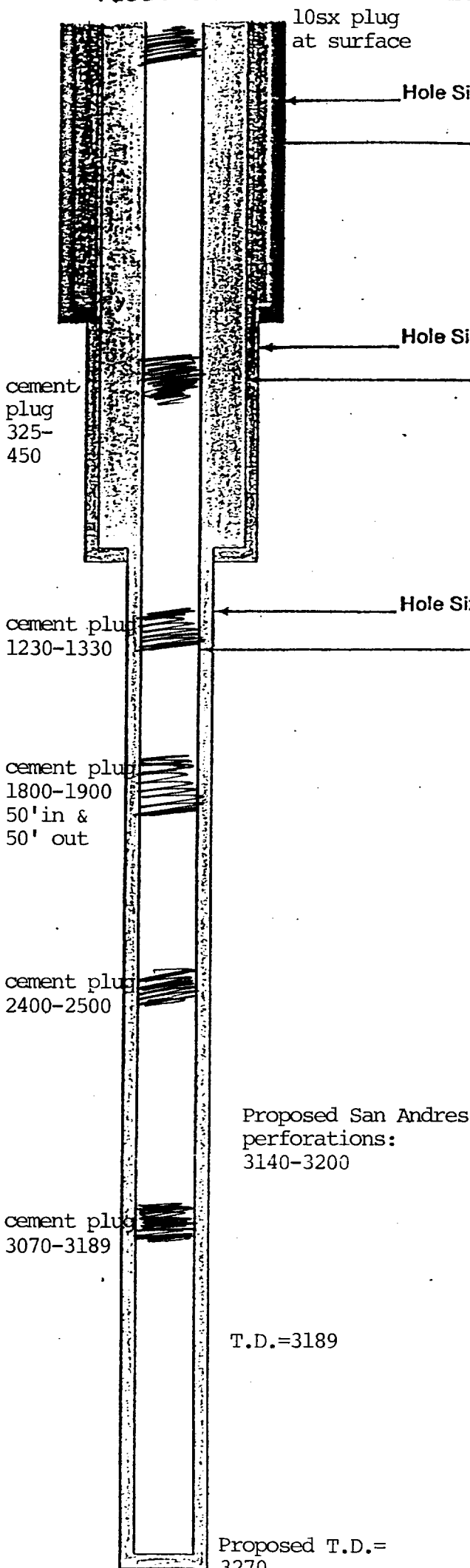
WELL BORE SKETCH

OPERATOR/LEASE/WELL Hanson Operating Company, Inc. Presler Lake Well #4

Location Unit B NW 1/4 NE 1/4 1650' FEL & 330' FNL Sec.12 T9S R29E

FIELD/POOL Many Gates / San Andres

PLUG BACK DEPTH \_\_\_\_\_ KB \_\_\_\_\_ ELEVATION 4004GR



SURFACES CASING:

Size 10 3/4 Weight 40.5 Grade J-55  
Set at 397 with 300 Sacks Cement  
Circulate 85 Sacks to Surface  
Remarks: \_\_\_\_\_

INTERMEDIATE CASING:

Size 7" Weight 23 Grade J-55  
Set at 3120 with 500 Sacks Cement  
Circulate \_\_\_\_\_ Sacks to Surface  
Cement Top: Calculated \_\_\_\_\_ Temperature Survey \_\_\_\_\_  
Remarks: C.B.L.-1850 TOC

PRODUCTION CASING:

Size 4 1/2 Weight 10.50 Grade J-55  
Set at 3070-3250 with 75 Sacks Cement  
Cement Top: Calculated \_\_\_\_\_ Temperature Survey \_\_\_\_\_  
Remarks: \_\_\_\_\_

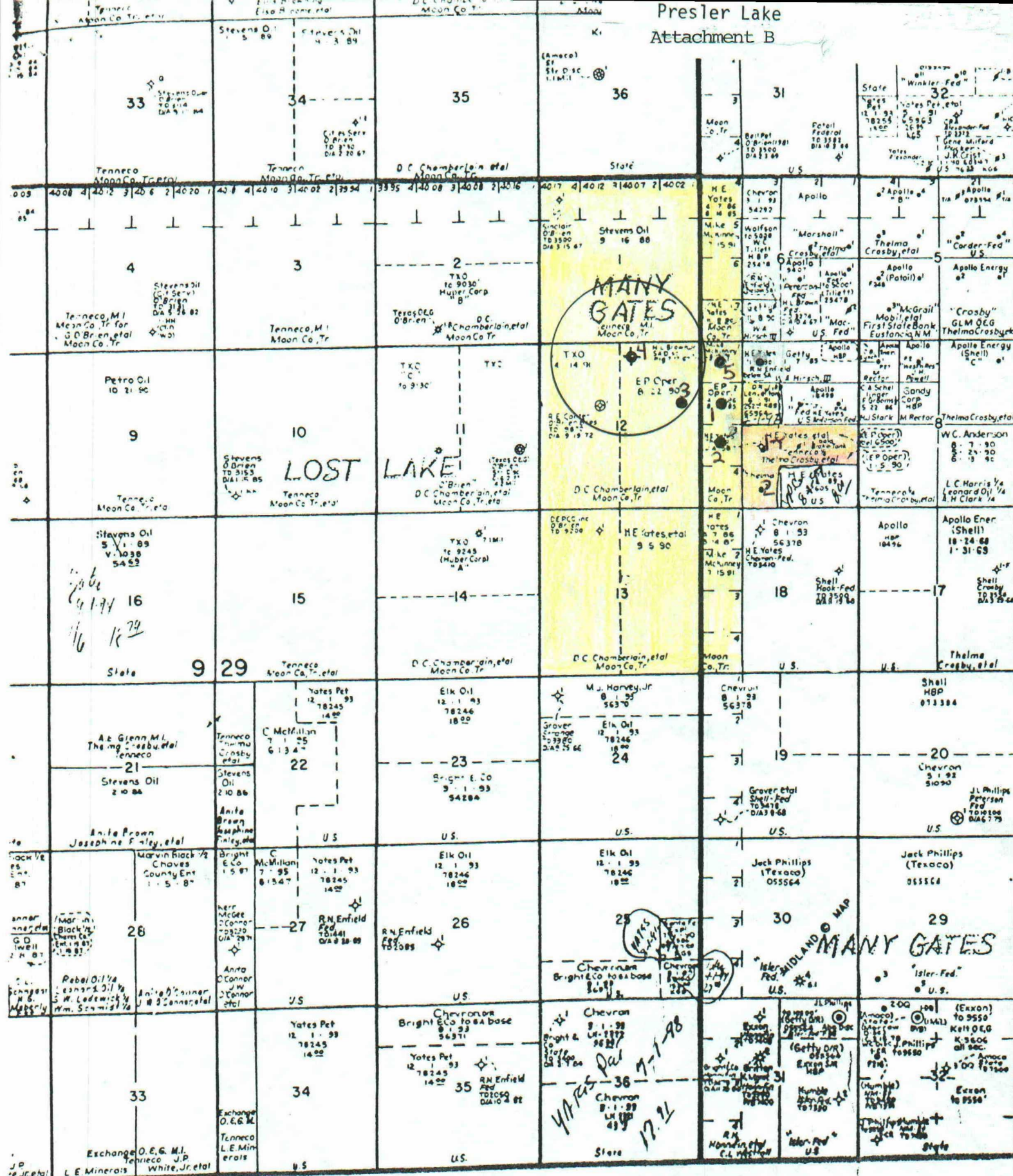
TUBING:

Size 2 3/8 PC Weight 4.6 Grade J-55  
Number of Joints \_\_\_\_\_ Set at \_\_\_\_\_  
Packer Set at 3040  
Bottom Arrangement: Baker Model AD-1 Internally coated

RODS:

Size \_\_\_\_\_ Number \_\_\_\_\_  
Gas Anchor Set at \_\_\_\_\_  
Pump Set at \_\_\_\_\_  
Arrangement: \_\_\_\_\_

It is proposed to drill out all cement plugs and 50' of new formation. Set a 4 1/2 liner from proposed TD of 3250 to 3070.



CHAVES, Southeast

LEGEND

- CO. Wells Not Shown
- Location
- Abandoned Producer
- Complete - Producing Oil
- Complete - Producing Gas
- Dry & Abandoned
- For Owner's Use - Not Producing
- Under Lease - Not Producing
- Under Lease - Producing
- Under Lease - Not Producing
- Under Lease - Producing

682 1603

SERVICE  
PRODUCTION  
D. TX 79702

## Page #1

**Total Producing**

Well Name	Operator	Type	Sbud	Completion	Depth	Zone	Perforations	Completion Information	Comments
Presler Lake #3 H 12-9S-29E	HOCI	OIL	9-26-92	12-3-92	3250'	San Andres	3200-3226'	13 3/8 "8# @320' w/375 gx circulated 100 gx 8 5/8" 32# 905' w/200gx	Rotary
SB 1/4 NE 1/4 1980 PNL & 660 FEL								7 yds ready mix 5 1/2" 14# @3250 230 gx TOC 1800 calc.	
O'Brien Brothers #1 P 12-9S-29E	Roger B. Canter	OIL & Gas	8-1-72	9-25-72	9870	NA	NA	12 3/4 @ 225' w/225 gx 8 5/8@ 2550' w/225gx	Rotary
SW 1/4 NW 1/4 1980' PNL & 1980 FEL								Plugged & Abandoned	



HANSON OPERATING COMPANY, INC.

United Bank Plaza, Suite 1200  
Post Office Box 1515  
Roswell, New Mexico 88202-1515

Phone: (505) 622-7330

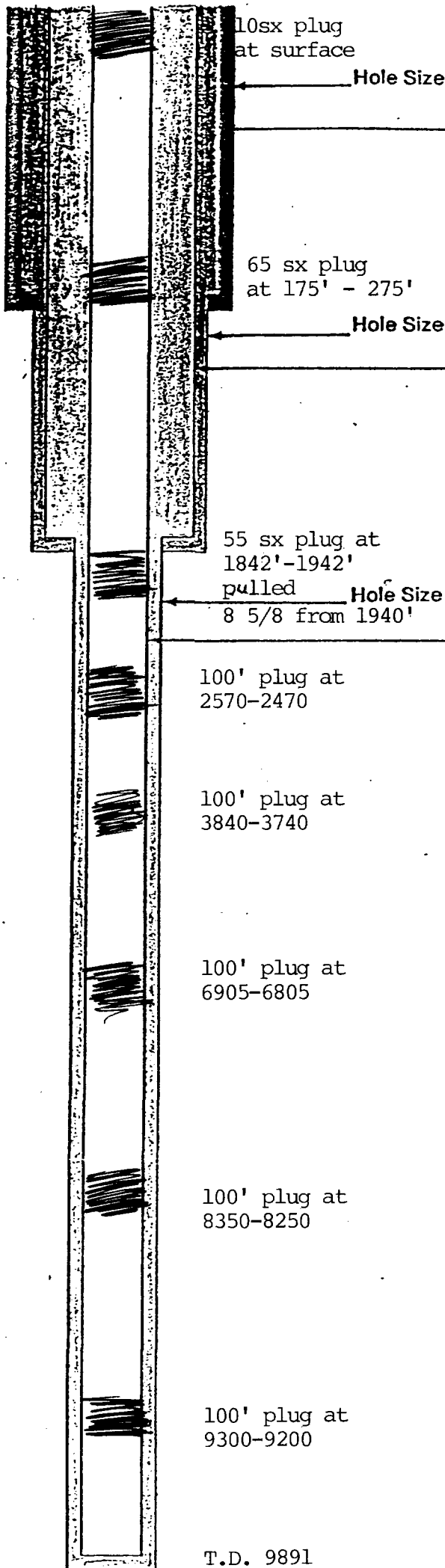
WELL BORE SKETCH

OPERATOR/LEASE/WELL Roger F. Canter-O'Brien Brothers Well #1

Location Unit F SENW 1980' FNL & 1980' FWL Sec. 12 T9S R29E Chaves Co.

FIELD/POOL Wild Cat /

PLUG BACK DEPTH N/A KB                      ELEVATION 4032'



10sx plug  
at surface

Hole Size 17 1/2

SURFACES CASING:

Size 12 3/4 Weight 34# Grade                       
Set at 225 with                      Sacks Cement  
Circulate                      Sacks to Surface  
Remarks:                     

65 sx plug  
at 175' - 275'

Hole Size                     

INTERMEDIATE CASING:

Size 8 5/8 Weight                      Grade                       
Set at 2550 with 225 Sacks Cement  
Circulate                      Sacks to Surface  
Cement Top: Calculated                      Temperature Survey                       
Remarks:                     

55 sx plug at  
1842'-1942'  
pulled

Hole Size                       
8 5/8 from 1940'

PRODUCTION CASING:

Size                      Weight                      Grade                       
Set at                      with                      Sacks Cement  
Cement Top: Calculated                      Temperature Survey                       
Remarks:                     

100' plug at  
2570-2470

100' plug at  
3840-3740

100' plug at  
6905-6805

TUBING:

Size                      Weight                      Grade                       
Number of Joints                      Set at                       
Packer Set at                       
Bottom Arrangement:                     

100' plug at  
8350-8250

RODS:

Size                      Number                       
Gas Anchor Set at                       
Pump Set at                       
Arrangement:                     

100' plug at  
9300-9200

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	1

**RECEIVED**  
NEW MEXICO OIL CONSERVATION COMMISSION

MAR 27 1974

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

C. S. C.

ARTESIA OFFICE

**SUNDRY NOTICES AND REPORTS ON WELLS**

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Dry Hole</b>	7. Unit Agreement Name
2. Name of Operator <b>Roger F. Canter</b>	8. Form or Lease Name <b>O'Brien Bros.</b>
3. Address of Operator <b>505 Gulf Bldg., Midland Texas 79701</b>	9. Well No. <b>1</b>
4. Location of Well UNIT LETTER <b>F</b> <b>1980'</b> FEET FROM THE <b>North</b> LINE AND <b>1980'</b> FEET FROM THE <b>West</b> LINE, SECTION <b>12</b> TOWNSHIP <b>9-S</b> RANGE <b>29-E</b> NWPM.	10. Field and Pool, or Wildcat <b>Wildcat</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>4032' DF</b>	12. County <b>Chaves</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

**FINAL PLUGGING REPORT**

100' plug set 9300'-9200'  
100' plug set 8350'-8250'  
100' plug set 6905'-6805'  
100' plug set 3840'-3740'  
100' plug set 2570'-2470'  
Pull 8 5/8" csg. from 1940'  
100' plug in and out stub of 8 5/8" csg.  
100' plug in and out of base of 12 3/4" csg.  
10 max at surface

Casing left in hole 12 3/4" 225-  
8 5/8" from 1940-2571

ID 9891

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

SIGNED *James F. Carter* TITLE Operator DATE March 25, 1974

APPROVED BY *Lelan M. Morris* TITLE SUPERVISOR, DISTRICT II DATE FEB 21 1975

CONDITIONS OF APPROVAL, IF ANY:

Attachment C  
Page 3

NO. OF COPIES RECEIVED <b>5</b>		NEW MEXICO OIL CONSERVATION COMMISSION <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b> <div style="font-size: 2em; font-weight: bold; margin: 10px 0;">RECEIVED</div> <div style="font-size: 1.2em; font-weight: bold; margin: 0;">MAR 27 1974</div>		Form C-105 Revised 1-1-65	
DISTRIBUTION				16. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>	
SANTA FE <b>1</b>				17. State Oil & Gas Lease No.	
FILE <b>1</b>					
U.S.G.S. <b>2</b>					
LAND OFFICE					
OPERATOR <b>1</b>					

10. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER <b>ARTESIA, OFFICE</b>				7. Unit Agreement Name <b>N/A</b>	
11. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> REPER <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REPAIR <input type="checkbox"/> OTHER <b>ARTESIA, OFFICE</b>				8. Name of Lessee <b>O'Brien Bros.</b>	
2. Name of Operator <b>Roger E. Canter</b>				9. Well No. <b>1</b>	
3. Address of Operator <b>505 Gulf Bldg. Midland, Texas 79701</b>				10. Field and Pool, or Wildcat <b>Wildcat</b>	
4. Location of Well UNIT LETTER <b>F</b> LOCATED <b>1980'</b> FEET FROM THE <b>North</b> LINE AND <b>1980'</b> FEET FROM THE <b>West</b> LINE OF SEC. <b>12</b> TWP. <b>9-S</b> RGE. <b>29-E</b> NMPM				12. County <b>Chaves</b>	
15. Date Spudded <b>July 28, 1972</b>		16. Date T.D. Reached <b>Sept. 16, 1972</b>		17. Date Compl. (Ready to Prod.) <b>N/A</b>	
18. Elevations (OF, RKB, RT, GR, etc.) <b>4032' DF-4020.23' GR</b>		19. Elev. Casinghead			
20. Total Depth <b>9891</b>		21. Plug Back T.D.		22. If Multiple Compl., How Many	
				23. Intervals Drilled By <b>10-9891</b>	
24. Producing Interval(s), at this completion - Top, Bottom, Name <b>N/A</b>				25. Was Directional Survey Made <b>No</b>	
26. Type Electric and Other Logs Run <b>Compensated Acoustic Velocity Log and Guard Log</b>				27. Was Well Cased <b>No</b>	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<b>12 3/4</b>	<b>34#</b>	<b>225'</b>	<b>17 1/2</b>	<b>225 5X8.</b>	<b>None</b>
<b>8 5/8</b>	<b>24#</b>	<b>2571'</b>	<b>11</b>	<b>225 5X8.</b>	<b>1940'</b>
29. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
30. TUBING RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
31. Perforation Record (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL		
			AMOUNT AND KIND MATERIAL USED		
33. PRODUCTION					
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF
				Water - Bbl.	Gas - Oil Ratio
Flow Tubing Pressure	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.
					Oil Gravity - API (Corr.)
34. Disposition of Gas (Sold, used for fuel, vented, etc.)					Test Witnessed By
35. List of Attachments					
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.					
SIGNED <b>Roger E. Canter</b>		TITLE <b>Operator</b>		DATE <b>March 25, 1974</b>	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1103.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	7819 JWR	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	8231	T. Kirtland-Fruitland	T. Penn. "C"
E. Salt	T. Apache	8393	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss		T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	9320	T. Menefee	T. Madison
T. Queen	T. Silurian		T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya		T. Mancos	T. McCracken
T. San Andres	T. Simpson		T. Gallup	T. Ignacio Quito
T. Glorieta	T. McKee		Base Greenhorn	T. Granite
T. Paddeok	T. Ellenburger		T. Dakota	T.
T. Elmore	T. Gr. Wash		T. Morrison	T.
T. Tubb	T. Granite	9730	T. Todilte	T.
T. Drinkard	T. Delaware Sand		T. Entrada	T.
T. Abo	T. Boas Springs		T. Wingate	T.
T. Wolfcamp	T. <del>Boas Springs</del> 8642		T. Chinle	T.
T. Penn.	T.		T. Permian	T.
T. Cloco (Bough)	T.		T. Penn. "A"	T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	820	820	Shale, Anhydrite & Gypsum, red beds				
820	2474	1654	Anhydrite shale, L. S.				
2474	7600	5100	Dolomite, Shale, Sd.				
7600	9730	2130	L. S. Shale				
9730	9870	140	Dolomite & Chert				

**HALLIBURTON SERVICES  
ARTESIA DISTRICT**

**LABORATORY REPORT**

No. W189-93

TO Hanson Operating  
P. O. Box 1515  
Roswell, NM 88201

Date June 30, 1993

This report is the property of Halliburton Services and neither it nor any part thereof, nor a copy thereof, is to be published or disclosed without first securing the express written approval of laboratory management. It may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Services

Submitted by \_\_\_\_\_ Date Rec. June 29, 1993

Well No. Presler Lake #4 Depth \_\_\_\_\_ Formation \_\_\_\_\_  
Field \_\_\_\_\_ County \_\_\_\_\_ Source \_\_\_\_\_

Resistivity .....	<u>0.061 @ 70°</u>	_____	_____
Specific Gravity ..	<u>1.1110 @ 70°</u>	_____	_____
pH .....	<u>6.5</u>	_____	_____
Calcium .....	<u>6,664</u>	_____	_____
Magnesium .....	<u>5,491</u>	_____	_____
Chlorides .....	<u>98,000</u>	_____	_____
Sulfates .....	<u>800</u>	_____	_____
Bicarbonates .....	<u>763</u>	_____	_____
Soluble Iron .....	<u>25</u>	_____	_____
<u>KCL</u> .....	<u>0</u>	_____	_____
-----	_____	_____	_____
-----	_____	_____	_____

Remarks:

  
Respectfully submitted

Analyst: Eric Jacobson - Operations Engineer

**HALLIBURTON SERVICES**

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