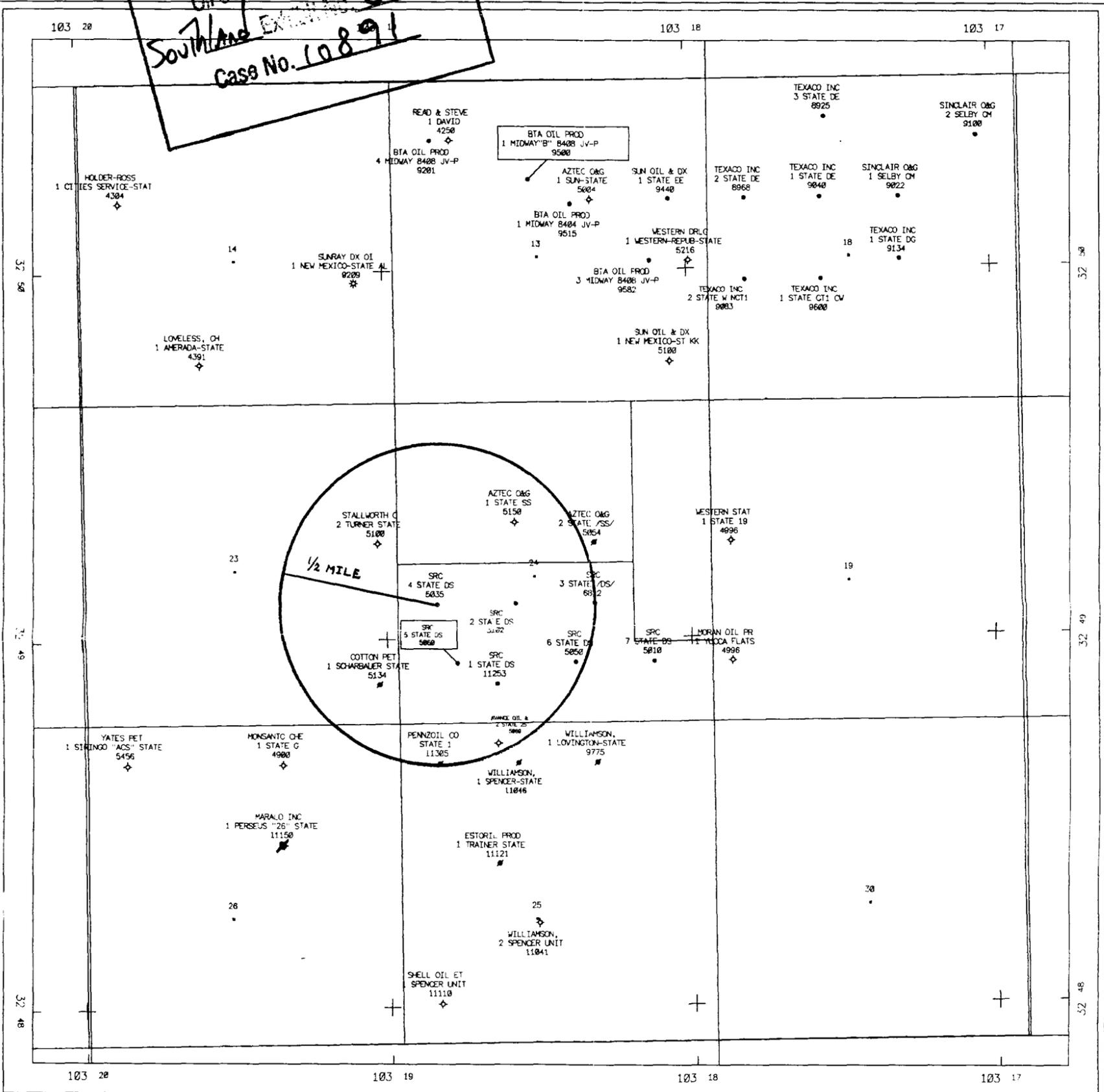


BEFORE EXAMINER  
Oil Conservation Division  
Southland Exhibit 6  
Case No. 10891



StateDS28133926 plotter 10-Dec-1993 1:11:16

StateDS28133926 plotter 28-Dec-1993 13:39

LEGEND

SYMBOLS

- Dry Hole
- Oil
- ☼ Gas
- ☼ Gas & Cond
- ☼ Oil-Gas
- ◆ Dry-Show
- +
- ⊛ Oil & Gas
- ⊛ J & A
- ⊛ Injection
- ⊛ Suspended
- ⊛ Undefined

UNIVERSAL TRANSVERSE MERCATOR

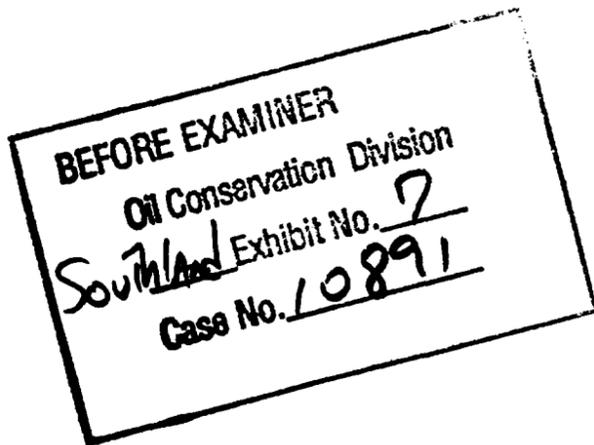
Clarke 1866 ELLIPSOID  
 CENTRAL MERIDIAN: -105.000  
 LATITUDE ORIGIN: 36.000  
 UTM RELATION: None  
 USER NAME: kurts HORIZON:

SCALE 1:24000



The following wells are all located in  
Section 24, T17S, R36E, NMPM, Lea County:

WELL NAME	FOOTAGE LOCATION	STATUS
Well #2	1980' FSL x 1980' FWL	producing
Well #5	990' FSL x 990' FWL	shut-in
Well #6	990' FSL x 2310' FEL	shut-in
Well #7	990' FSL x. 990' FEL	shut-in
Well #4	1980' FSL x 660' FWL	proposed injector



APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: Southland Royalty Company

Address: P.O. Box 51810 Midland, Texas 79710

Contact party: Maria L. Perez, Prod. Asst. Phone: 915-688-6906

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 fluid
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 the receiving formation if other than reinjected production;
5. If injection is for disposal purposes into a zone not produced or within one mile of the proposed well, attach a chart of the disposal zone formation water (may be measured or in literature, studies, nearby wells, etc.).

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

IX. Describe the proposed stimulation program, if any.

X. Attach appropriate logging and test data on the well. (If well logs 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: M. P. Gaddis Title: Sr. Staff Engineer

Signature: *M. P. Gaddis* Date: 11/22/93

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.

BEFORE EXAMINER

Oil Conservation Division

Southland Royalty Co. 8

Case No. 10891

## 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:

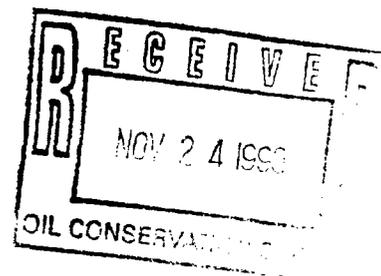
- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates 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.

# MERIDIAN OIL

November 22, 1993



Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87504-2088

**RE: Application for Authorization to Inject  
Southland Royalty Company  
State DS No. 4  
Spencer San Andres Field  
Unit L, Section 24, T17S, R36E  
Lea County, New Mexico  
State Lease No.: L-200**

Gentlemen:

Southland Royalty Company (SRC) is applying for authorization to convert the above referenced well for the purpose of secondary recovery and requests a hearing on the earliest possible docket for an initial secondary recovery project on this lease. At this time, SRC is also applying for the "recovered oil tax rate" (reduced oil severance tax rate) since this will be a new enhanced recovery project. Attached is an injection well data sheet showing the current and proposed mechanical configuration of this well. A map is also attached showing the one-half mile area of review around the well. The required information from "Form C-108" follows.

The proposed injection well will dispose of water produced from Southland Royalty leases from the San Andres in the Spencer Field. Our estimated initial injection rate will be 500 BPD. The estimated maximum rate is 1000 BPD. We anticipate initial injection pressure to be  $\pm 500$  psi, and request an operating maximum pressure of 1000 psi. The closed injection facilities will be equipped with high and low level head switches and will not operate continuously. No deeper aquifers containing usable quality water are known in this area.

### III. Well Data

A. 1 through 4. See two attached well data sheets; the first is the existing data; the second is the proposed recompletion data.

- 1) The proposed well:  
State DS No. 4  
Unit L, 1980' FSL, 660' FWL  
Sec. 24, T17S, R36E  
Lea County, New Mexico  
Lease No.: L-200

s:\erv\public\mpgpub\StDS4com.doc\pmp<sup>1</sup>

P.O. Box 51810, Midland, Texas 79710-1810. Telephone 915-688-6800  
3300 N. "A" St., Bldg. 6. 79705-5406

2) Surface: 8 5/8", 24# @ 326' in 12-1/4" hole  
cement with 215 sx. TOC = Circ. to Surface

Production: 5-1/2", 14# @ 5,035' in 7-7/8" hole  
cement with 300 sx. TOC = 3440' by temperature survey

3) Injection Tubing: 2-3/8", 4.7#, internally plastic coated set @ ±4900'.

4) Packer: Guiberson UniV, retrievable, internally and externally  
plastic coated set at ±4900"

B. 1) Injection Formation: San Andres

2) Injection Interval: Perforated from: 4964' - 4994'.

3) The well was originally drilled for production of oil and gas

4) There will be no other open intervals in this injection well

5) The next possible higher oil or gas zone is the Queen located at approximately 4159'.  
The next possible lower oil or gas zone is a Paddock located at approximately 6600'.

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

V. Area of Review: See attached plat, one-half mile radius identified

VI. Tabulation of data: Wells within area of review.

Southland Royalty Co., State DS No. 4  
Unit L, Sec.24, T17S, R36E, Lea Co. NM  
Spud 10/4/69, TD 5035'  
8-5/8" @ 326' w/ 215 sx, circulated  
5-1/2" @ 5035' w/ 300 sx, TOC @ 3440 by TS  
perfed 4964-94', acidize w/ 1000 gal 15% NE acid  
completed 10/26/69 for 248 BOPD + 0 BWPD + 84 MCFD

Southland Royalty Co., State DS No. 2  
Unit K, Sec.24, T17S, R36E, Lea Co. NM  
Spud 8/4/69, TD 5100'  
8-5/8" @ 323' w/ 215 sx, circulated  
5-1/2" @ 5099' w/ 465 sx, TOC @ 3240' by TS  
perfed 4944-5008', acidize w/ 1000 gal 15% NE acid  
completed 8/22/69 for 216 BOPD + 0 BWPD + 130 MCFD

Southland Royalty Co., State DS No. 3  
Unit J, Sec.24, T17S, R36E, Lea Co. NM  
Spud 9/11/69, TD 5061'  
8-5/8" @ 331' w/ 225 sx, circulated  
5-1/2" @ 5050' w/ 325 sx, TOC @ 3510' by TS

perfed 5004-14', acidized 500 gal, squeeze w/ 50 sx  
perfed 4925-66', acidized w/ 500 gal  
completed 10/20/69 for 78 BOPD + 8 BWPD + 0 MCFD  
deepen to 6794', set 3-1/2" liner 4985 - 6794' w/ 175 sx.  
TOC @ 5050' by TS, squeeze liner top w/ 150 sx  
perf 6653-77, acidize w/ 1500 gal, squeeze w/ 50 sx.  
perf 6414-24, acidize w/ 1000 gal, squeeze w/ 50 sx  
perf 6558-80', acidize w/ 2500 gal, squeeze w/ 50 sx  
perf 5360-75', acidize w/ 500 gal, squeeze w/ 50 sx  
perf 4932-66', acidize w/ 500 gal, squeeze w/ 75 sx  
perf 6476-6680', acidize w/ 2000 gal, frac w/ 30,000 gal + 30,000 lbs  
completed 9/21/74 5 BO + 0 BW + 0 MCFD

Southland Royalty Co., State DS No. 1  
Unit N, Sec.24, T17S, R36E, Lea Co., NM  
Spud 5/19/69 TD 11,253'  
13-3/8" @ 361' w/ 350 sx, circulated  
8-5/8" @ 5300' w/ 460 sx, TOC calc @ 2911' (11" hole, 1.32 cu.ft/sx)  
spot 35 sx plug @ 11,210' Devonian  
spot 25 sx plug @ 9,750' Penn  
spot 25 sx plug @ 8,850' Abo  
spot 25 sx plug @ 6,200' Glorieta  
set CIBP @ 5,230' + 1sx cement  
perf 5186-90', acidize w/ 250 gal, squeeze w/ 30 sx  
perf 5130-42', acidize w/ 500 gal, squeeze w/ 71 sx  
perf 5080-90', acidize w/ 500 gal, squeeze w/ 75 sx  
perf 4988-5030', acidize w/ 1000 gal  
completed 7/21/69 for 192 BOPD + 0 BWPD + 124 MCFD  
squeeze perf 4988-5030' w/ 406 sx  
perf 4948-94', acidize w/ 500 gal, set CIBP @ 4930'.

Southland Royalty Co., State DS No. 5  
Unit M, Sec.24, T17S, R36E, Lea Co. NM  
Spud 12/13/69, TD 5060'  
8-5/8" @ 340' w/ 220 sx circulated  
5-1/2" @ 5060' w/ 300 sx, TOC @ 3460' by TS  
perf 5006-10', acidize w/ 1000 gal  
completed 12/31/69 for 230 BOPD + 0 BWPD + 96 MCFD  
squeeze perfs 5006-10' w/ 200 sx  
perfed 4980-94', acidize w/ 1000 gal, squeeze w/ 50 sx  
perfed 4934-72', acidize w/ 2500 gal.

Southland Royalty Co., State DS No. 6  
Unit O, Sec.24, T17S, R36E, Lea Co., NM  
Spud 12/26/69, TD 5060'  
8-5/8" @ 332' w/ 215 sx, circulated  
5-1/2" @ 5050' w/ 300 sx, TOC @ 3521' by TS  
perf 4980-88', acidize w/ 1634 gal  
completed 1/10/70 for 480 BOPD + 0 BWPD + 0 MCFD

squeeze perfs 4940-88' w/ 200 sx  
perfed 4890-4956', acid w/ 500 gal

Southland Royalty Co., State SS No. 1  
Unit F, Sec.24, T17S, R36E, Lea Co.,NM  
Spud 8/21/69, TD 5150'  
8-5/8" @ 332' w/ 225 sx, circulated  
5-1/2" @ 5150' w/ 390 sx, TOC @ 3360' by TS  
perfed 5112-16', acid w/ 500 gal, squeeze w/ 12 sx  
perfed 5067-78', acid w/ 1000 gal, squeeze w/ 75 sx  
perfed 5032-48', acid w/ 1000 gal, squeeze w/ 100 sx  
perfed 4166-90', acidize w/ 2000 gal, squeeze w/ 150 sx  
perfed 3928-50', acidize w/ 1000 gal, squeeze w/ 150 sx  
perfed 5112-32, acidize w/ 4000 gal  
completed 1/15/70 as an SWD well  
Acidize w/ 1000 gal, Acidize w/ 1500 gal.

Stallworth Oil and Gas Turner State No. 2  
Unit H, Sec. 23, T17S, R36E, Lea Co., NM  
Spud 3/17/74, TD 5185'  
8-5/8" @ 351' w/ 225 sx, TOC calc @ surface (12-1/4" hole, 1.32 cu.ft/sx)  
35 sx plug @ 5185', 35 sx plug @ 4945'  
35 sx plug @ 2104', 10 sx plug @ surf  
P&A 4/20/74

Cotton Petroleum Co. Scharbauer State No. 1  
Unit P, sec. 23, T17S, R36E, Lea Co., NM  
Spud 1/13/81, TD 5140'  
8-5/8" @ 365' w/ 180 sx, TOC calc @ surface (12-1/4" hole, 1.32 cu.ft/sx)  
5-1/2" @ 5140' w/ 1270 sx, TOC calc @ surface (7-7/8" hole, 1.32cu.ft/sx)  
perfed 5086-96', acidize w/ 750 gal, set CIBP @ 5050'  
perfed 4975 - 5030', acidize w/ 750-gal, set CIBP @ 5010'  
perfed 4952-60', squeeze w/ 300 sx  
re-perf 4952-60', acidize w/ 750 gal  
completed 5/20/81 for 10 BOPD + 16 BWPD + 4 MCFD  
set CIBP @ 4980', perfed 3200 - 46', acidize w/ 500 gal  
20 sx plug 3400 - 3500', set CIBP @ 3180' + 5 sx  
20 sx plug 1900 - 2000', 10 sx plug @ surface

Avance Oil & Gas Co. State 25 No. 2  
Unit C, sec.25, T 17S, R36E, Lea Co. NM  
Spud 12/1/69, TD 5068'  
8-5/8' @ 372' w/ 275 sx, TOC calc @ surface (12-1/4" hole, 1.32 cu.ft/sx)  
4-1/2" @ 5067' w/ 200 sx. TOC @ 3980' (7-7/8" hole, 1.32cu.ft/sx)  
perf 4954-5006', Acidize w/ 3000 gal  
cut and pull csg @ 3950',. 25 sx plug 4635-4950'  
25 sx plug 3875-3950', 25 sx plug 885-960'  
25 sx plug 312-372', 10 sx plug @ surf.

Texas Crude, Inc., C. W. Trainer 25 State No. 1  
formerly Pennzoil Company State 25 No. 1  
Unit D, sec. 25, T17S, R36E, Lea Co., NM  
re-entered 12/1/72, TD 11,305'  
ran DSTs 6645-7010'  
40 sx plug 6455-6600', 40 sx plug 5465'-5600'  
40 sx plug 4655-4790', cut and pull 8-5/8" csg @ 1020'.  
50 sx plug 950-1050', 50 sx plug 240'-340',  
10 sx plug @ surface

#### VII. Proposed Operation:

1. Estimated average initial injection rate is 500 BWPD.  
Estimated maximum daily rate 1000 BPD.
2. This will be a closed system.
3. Estimated average injection pressure is 500 psi. Maximum estimated operating pressure is 1000 psi.
4. The source of the injected water is the produced water from the San Andres. Since produced water is being re-injected into the San Andres, no incompatibility is expected. See attached water analysis
5. Water injection will be into a zone currently productive of oil and gas.

#### VIII. Geological Data

The proposed zone for injection is the San Andres formation at 4900'. This Permian Age reservoir is an anticlinal structure composed of nearly 100% dolomite containing some oolites, fractures and anhydritic inclusions. The average porosity throughout the reservoir runs 6.1% though most of it comes in the form of secondary porosity (vugs and fractures). The San Andres in this area can average over 800 in gross thickness. Since an oil/water contact does exist in the reservoir, the net thickness averages approximately 70'.

There are no known underlying sources of potable water below the San Andres. The only fresh water sources located above are from an approximate depth of 100-150'.

#### IX. Proposed Stimulation

The proposed stimulation program is a 3000 gallon treatment of 15% NEFE HCl acid.

#### X. Log Data

Log section is attached with proposed interval indicated.

**XI. Fresh Water Analysis**

The only fresh well found within 1 mile of the proposed injection well was located in Unit D, Sec.25, T17S, R36E of Lea County, NM. A sample was taken from the well on 9/3/93 with the analysis herein attached.

**XII. Hydrologic Communication**

There is no known evidence of faulting or other hydrologic communication between potential fresh water aquifers and the desired injection zone.

**XIII. Proof of Notice**

The offset operators and surface owner were notified by certified return receipts on November 22, 1993.

Proof of Notice is attached.

**XIV. Certification**

Certification is on Form C-108.

If you need any additional information or if you have any questions, please contact M.P. Gaddis at 915/688-6850.

Sincerely,



M.P. Gaddis  
Sr. Staff Engineer

MPG/mp  
enclosures

xc: OCD-Hobbs  
Hobbs Field Office  
Well File  
Land Dept.

Production Engineering  
Reservoir Engineering  
Joint Interest  
Maria Perez (6)

**State DS No. 4  
Unit L, Sec. 24, T17S, R36E  
Lea County, New Mexico  
Southland Royalty Company**

The following Offset Operators, Surface Owners and Mineral Interest Owners within open areas, within a one-half mile radius were notified by certified return receipt on November 22, 1993:

Maralo, Inc.  
Five Post Oak Park  
Suite 1010  
Houston, TX 77027

Marshall & Winston, Inc.  
P. O. Box 50880  
Midland, TX 79710

Norma Barton  
P. O. Box 729  
Hobbs, NM 88240

Yates Petroleum Corp.  
105 South 4th Street  
Artesia, NM 88210

Oxy USA, Inc.  
P. O. Box 50250  
Midland, TX 79710

John T. Stallings  
P. O. Box 685  
Creedmor, NC

Ken McPeters  
P. O. Box 1860  
Hobbs, NM 88240

E. L. Latham Co.  
P. O. Box 1392  
Hobbs, NM 88241

The Moran Partnership  
1000 E. Walker Drive  
Hobbs, NM 88241

Howell Spears  
P. O. Box 4246  
Gulfport, MS 39501

Roy G. Barton & Opal  
Barton Revocable Trust  
Roy G. Barton, Jr, Trustee  
P. O. Box 978  
Hobbs, NM 88241,

Roy G. Barton, Jr.  
P. O. Box 978  
Hobbs, NM 88241

Elbert Damon Shipp  
& Suzy Laverne Shipp  
1104 Ave. J. West  
Lovington, NM 88260

Alan Jochimsen  
2402 Cimmaron  
Midland, TX 79705

Charles Doornbas, Trustee  
Charles F. Doornbas  
Revocable Trust  
P. O. Box 639  
Bartlesville, OK 74005

Cross Timbers Oil Co. L.P.  
810 Houston St., Ste. 2000  
Fort Worth, TX 76102

James Ronald Ewing  
700 East 9th St., Apt. 11K  
Little Rock, AR 72202

The Bevridge Co.  
P. O. Box 993  
Midland, TX 79702

**Surface Owner**

Dorothy T. Scharbauer  
P. O. Box 1471  
Midland, Texas 79702

**Newspaper**

Hobbs News Sun  
201 N. Thorp  
Hobbs, NM 88241  
(505) 393-2123

AFFIDAVIT OF PUBLICATION

State of New Mexico,  
County of Lea.

I, Kathi Bearden

General Manager

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

October 20, 1993

and ending with the issue dated

October 20, 1993

*Kathi Bearden*  
General Manager

Sworn and subscribed to before

me this 21 day of

October, 1993

Margie Perrin

Notary Public.

My Commission expires  
March 15, 1997

(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.

RECEIVED

OCT 25 1993

PROD. SERV.

Hobbs Daily News-Sun

P.O. Box 860

Hobbs, New Mexico 88241-0860

LEGAL NOTICE  
October 20, 1993  
Southland Royalty Com-  
pany, P.O. Box 51619, Mid-  
land Texas 79710.  
Contact party: Maria Perry  
(915)688-6900. In making  
application with the Oil Con-  
servation Division in Santa Fe,  
New Mexico for authority  
to inject salt water in the  
State Oil Reservoir in Unit  
L, 1980 FSN 690 FWL  
sec. 24, T17N, R30E, Lea  
County, New Mexico. The  
proposed injection will be  
inject water produced from  
Southland Royalty lease  
from the San Andres forma-  
tion in the Spence Field  
into the San Andres forma-  
tion 4904-94'. Estimated  
initial injection rate will be 100  
BWPD. The estimated maxi-  
mum injection rate is 1000  
BWPD. Anticipated injection  
pressure is 1000 psi.

per day and estimated  
imum injection rate is  
1000 pounds per  
inch.

Interested parties must  
objections or request  
hearing with the Con-  
servation Division  
2058, Santa Fe, New Mexico  
87504 within 10 days.



# INJECTION WELL DATA SHEET

SIDE 1

Southland Royalty Company		State DS		
OPERATOR	1980' FSL, 660' FWL	LEASE	17-S	36-E
4		24		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

Tubular Data

Surface Casing

Size 8-5/8 " Cemented with 215 sx.  
 TOC surface feet determined by circulation  
 Hole size 12-1/4"

Intermediate Casing

Size \_\_\_\_\_ " Cemented with \_\_\_\_\_ sx.  
 TOC \_\_\_\_\_ feet determined by \_\_\_\_\_  
 Hole size \_\_\_\_\_

Long String

Size 5-1/2 " Cemented with 300 sx.  
 TOC 3440' feet determined by temp. survey  
 Hole size 7-7/8"  
 Total Depth 5035'

See Attached Diagram

Injection Interval

4964 feet to 4994 feet  
 (perforated or open-hole, indicate which)

# INJECTION WELL DATA SHEET

SIDE 2

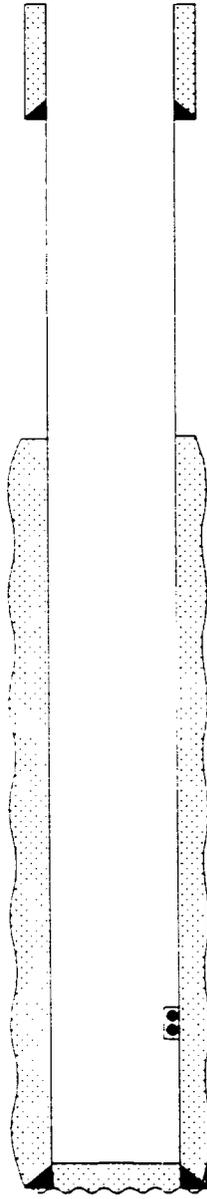
Tubing size 2-3/8" lined with plastic coated set in a  
(material)  
Guiberson UniV or equiv. packer at +/- 4900 feet  
(brand and model)  
(or describe any other casing-tubing seal).

## OTHER DATA

1. Name of the injection formation San Andres
2. Name of Field or Pool (if applicable) Spencer
3. Is this a new well drilled for injection?        YES   X   NO  
If no, for what purpose was the well originally drilled? 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)  
No
5. Give the depth to and name of any overlying and/or gas zones (pools) in this area.  
No overlying zones above or gas zones below.

# MERIDIAN OIL

FIELD: Spencer (San Andres) DATE SPUD: 10/4/66 COMP: 10/26/66  
LEASE: STATE DE WELL NO. 4 ELEVATION: 3,808' G.L.  
LOCATION: 1,880' F&L & 680' FWL; SEC. 24, T-17-S, R-36-E  
Lea County, New Mexico



8 5/8", 24# @ 326'  
CEMENT W/ 215 sx  
TOC: SURFACE (Circ.)  
In 12-1/4" Hole

TOC @ 3,440' by temp. survey

San Andres Perfs:  
4,964'-94'

5 1/2", 14# @ 5,035'  
Cement w/ 300 sx "C"  
In 7 7/8" Hole

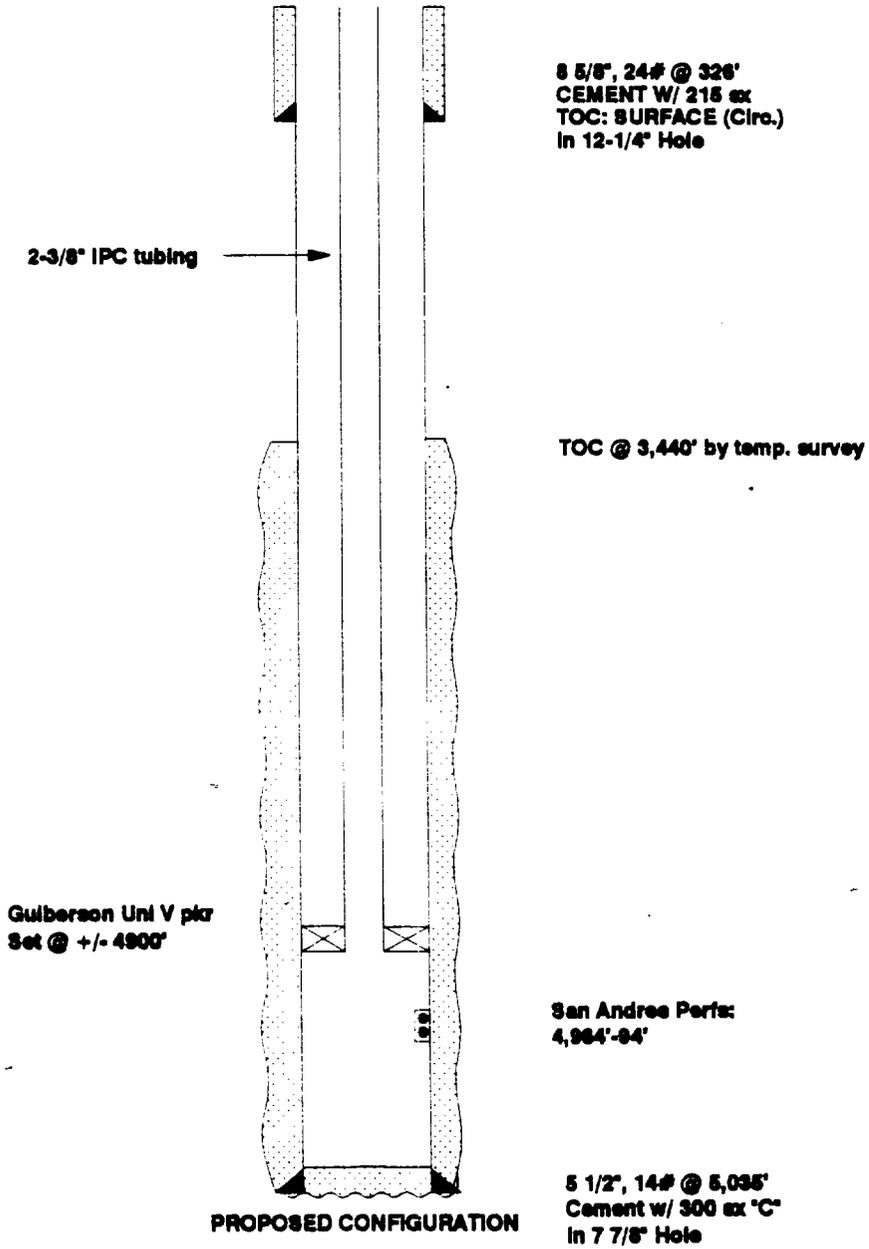
CURRENT CONFIGURATION

TD: 5,035'  
PBD: 5,014'

JRG/D84  
06/23/93

# MERIDIAN OIL

FIELD: Spencer (San Andree) DATE SPUD: 10/4/69 COMP: 10/26/69  
LEASE: STATE DS WELL NO. 4 ELEVATION: 3,808' G.L.  
LOCATION: 1,980' PBL & 660' FWL; SEC. 24, T-17-S, R-36-E  
Lea County, New Mexico



PROPOSED CONFIGURATION

TD: 5,035'  
PSTD: 5,014'

JRC/D84  
06/25/93

RESULT OF WATER ANALYSES

TO: Ms. Karen Burns LABORATORY NO. 9939  
P. O. Box 51810, Midland, TX 79710 SAMPLE RECEIVED 9-3-93  
 RESULTS REPORTED 9-3-93

COMPANY Meridian Oil Company LEASE State "DS"

FIELD OR POOL \_\_\_\_\_

SECTION \_\_\_\_\_ BLOCK \_\_\_\_\_ SURVEY \_\_\_\_\_ COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Produced water - taken from State "DS".
- NO. 2 Raw water - taken from windmill #1.
- NO. 3 \_\_\_\_\_
- NO. 4 \_\_\_\_\_

REMARKS: 1. San Andres

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 80° F.	1.0121	1.0017		
pH When Sampled				
pH When Received	6.80	7.52		
Bicarbonate as HCO <sub>3</sub>	1,684	220		
Supersaturation as CaCO <sub>3</sub>				
Undersaturation as CaCO <sub>3</sub>				
Total Hardness as CaCO <sub>3</sub>	3,850	238		
Calcium as Ca	1,010	81		
Magnesium as Mg	322	9		
Sodium and/or Potassium	3,517	19		
Sulfate as SO <sub>4</sub>	579	54		
Chloride as Cl	6,747	31		
Iron as Fe	2.2	1.1		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	13,858	413		
Temperature °F				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	954	0.0		
Resistivity, ohm/cm at 77° F.	0.540	22.0		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Total Dissolved Solids @ 180°C.	13,100	396		

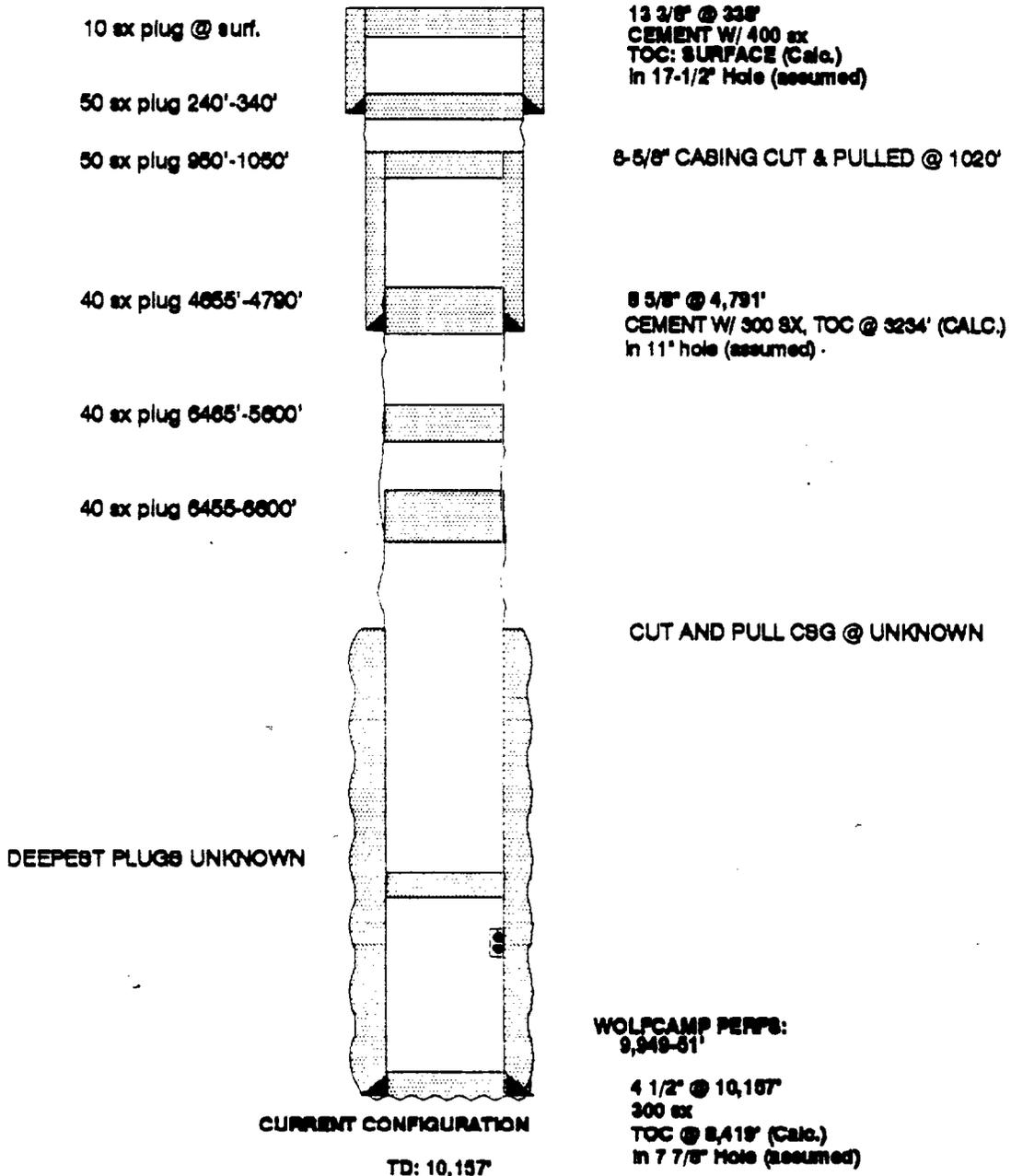
Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By Waylan C. Martin, M.A.

# TEXAS CRUDE INC.

**FIELD:** SPENCER (DEVONIAN)      **DATE SPUD:** 11/24/72 **COMP:** 12/1/72  
**LEASE:** C.W. TRAINER 25 STATEWELL NO. 1      **ELEVATION:** 3,806' G.L.  
**LOCATION:** 660' FNL & 660' FWL; SEC. 25, T-13-S, R-32-E  
Lea County, New Mexico

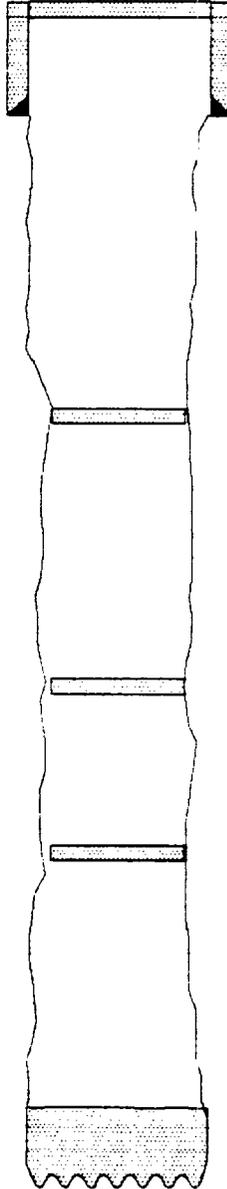


JRG/TXCRD1  
09/22/83

# STALLWORTH OIL & GAS

FIELD: Spanow (San Andres) DATE SPUD: 3/18/74 COMP: 4/5/74  
LEASE: TURNER STATE WELL NO. 2 ELEVATION: 3,814' G.L.  
LOCATION: 2310' FNL & 330' FEL; SEC. 23, T-17-S, R-36-E  
Lee County, New Mexico

10 EX SURF.- 66'



6 5/8" @ 381'  
CEMENT W/ 225 cc  
TOC: SURFACE (CIRC.)  
In 11" Hole

35 SX 1970'-2104'

35 SX 3215'-3352'

35 SX 4806'-4946'

35 SX 5046'-5185'

CURRENT CONFIGURATION

In 7 7/8" Hole

TD: 5,185'

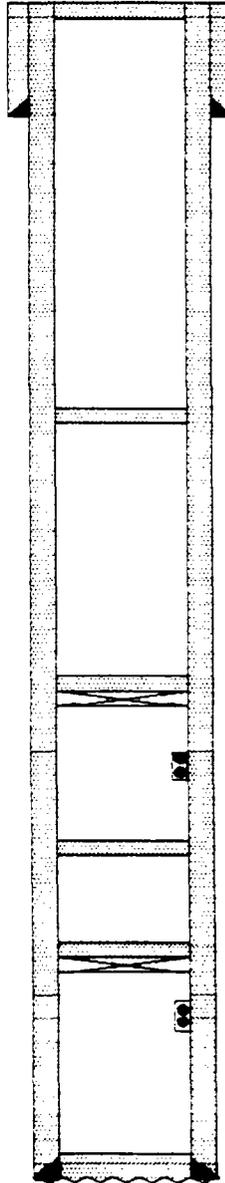
JRG/TUR/STL  
09/21/83



# COTTON PETROLEUM

**FIELD:** Spencer (San Andree) -      **DATE SPUD:** 1/13/81    **COMP:** 5/20/81  
**LEASE:** SCHARBAUER STATE    **WELL NO.:** 1    **ELEVATION:** 3,814' G.L.  
**LOCATION:** 660' PBL & 230' FEL; SEC. 23, T-17-S, R-36-E  
Lea County, New Mexico

10 SX SURF.-65'



**6 5/8" @ 265'**  
**CEMENT W/ 180 ex**  
**TOC: SURFACE (CALC.)**  
**in 12-1/4" Hole (assumed)**

20 SX 1900'-2000'

**TOC @ surface (calc.)**

CIBP @ 3180' + 5 SX

**YATES PERFS**  
**3200'-46'**

20 SX 3400'-3500'

CIBP @ 4380' + 5 SX

**San Andree Perfs:**  
**4,952'-60'**

**CURRENT CONFIGURATION**

**5 1/2" @ 5,140'**  
**Cement W/ 1270 ex**  
**in 7 7/8" Hole (assumed)**

**TD: 5,140'**

JRG/CHFTL  
09/21/88



# ACOUSTIC VELOCITY LOG

COMPANY RTTEC OIL & GAS Company

WELL STATE 05 NO. 4

FIELD Anteatered Spence (A)

COUNTY Lea STATE New Mexico

Location \_\_\_\_\_

Sec. 24 Top 17-5 See 20-E

Other Services: \_\_\_\_\_

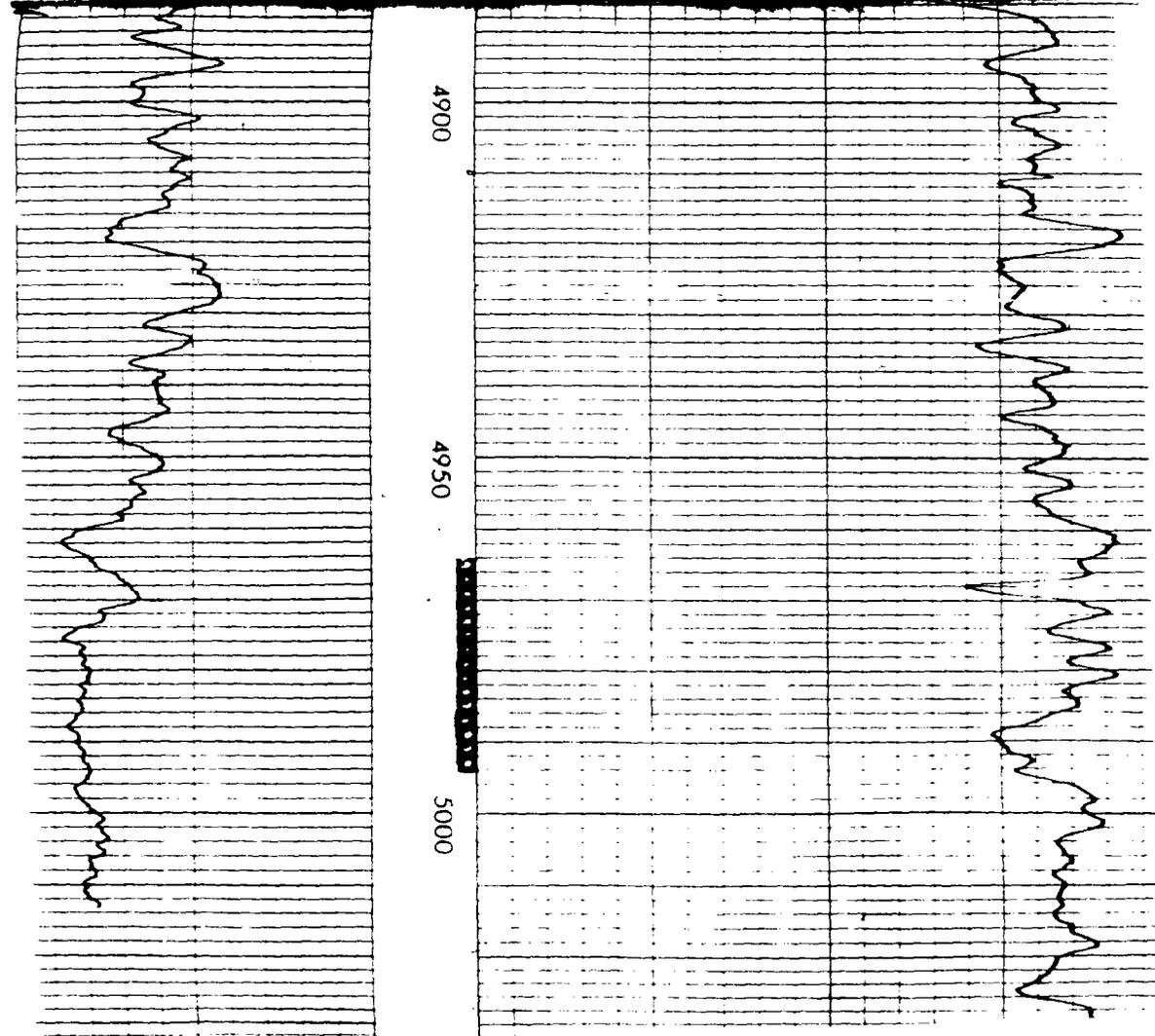
Permanent Datum GROUND LEVEL Elev. 3808.4

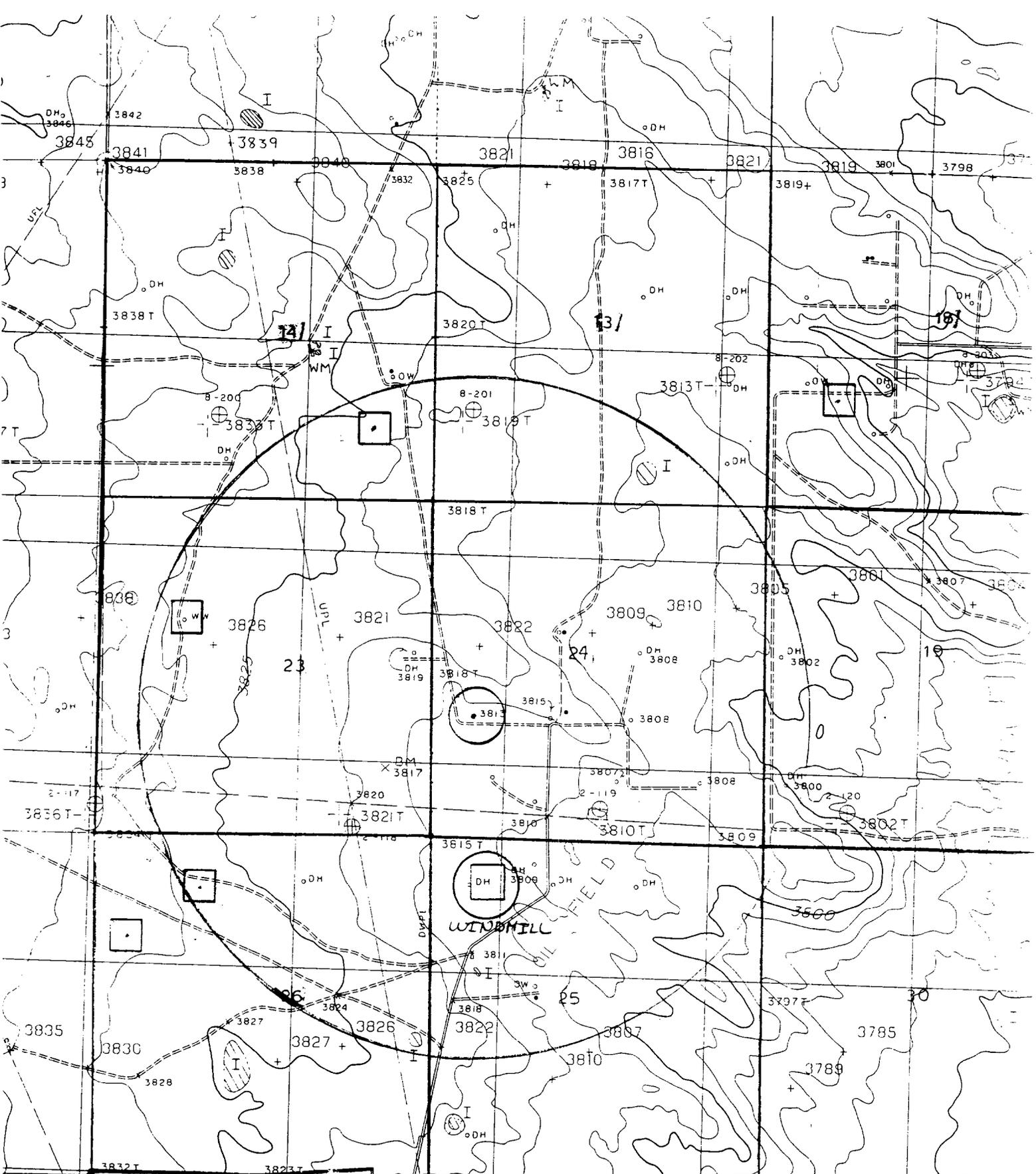
Log Measured from 17D 11' ft. Above Perm. Datum

Drilling Measured from Kelly Bushing

Elev.: K 3819.4  
O 3818.4  
G 3808.4

Date	<u>10-16-49</u>			
Run No.	<u>ONE</u>			
Depth-Driller	<u>5035</u>			
Depth-Welex	<u>5035</u>			
Blm. Log Inter.	<u>5031</u>			
Top Log Inter.	<u>5035</u>			
Casing-Driller	<u>3216 @ 2 5/8</u>			
Casing-Welex	<u>7 1/8</u>			
Blm. Site	<u>MUD</u>			
Type Fluid In Hole				
Dens. Vic.	<u>10.214</u>			
pH Fluid Loss	<u>11.6</u>			
Source of Sample				
K... @ Meas. Temp.				
R... @ Meas. Temp.				
R... @ Meas. Temp.				
Source R... R...				
R... @ BHT				
Time Since Circ.				
Max. Rec. Temp.				
Equip. Location	<u>Quilthomas</u>			
Recorded By	<u>G. H. Strawn</u>			
Witnessed By	<u>MR. DOUBLOSON</u>			





BEFORE EXAMINER  
 Oil Conservation Division  
*Soylent* Exhibit No. 9  
 Case No. 10891

100' 150'  
 FRESH WATER WELLS

T 175

STATE'S C-108 FORM

MA  
12/7/93

STATE ENGINEER, ROSWELL, N.M.

Location of Fresh Water Wells <sup>within 1/2 mile</sup> around the  
PROPOSED WIW in UNIT L, Sec 24, T17S, R36E  
Lea Co., N.M. SE Livingston

9:25 505-622-6521 {DON Erbina -}

- ONE MILE RADIUS AROUND PROPOSED WIW:
  - How many fresh water wells? (active)
  - How deep

5:06  
pm PER DON ERBINA, THERE ARE 6 POSSIBLE FRESH  
WATER WELLS

1. T17S, R36E, SEC 14

SW/4, NW/4, NE/4, NW/4, SE/4

1/23/86 Depth of water (to top) = 35.97'

2. T17S, R36E, SEC 23

NW/4, SW/4, SW/4, NW/4, SE/4, NW/4

TD = 110'

1/23/86 33.45' TO TOP OF WATER

8/2/91 34.71' " " " "

12/7/93  
MRG P2

3. T17S, R36E, SEC 25  
NE/4, NE/4, SW/4, NE/4, NW/4  
1/5/81 32.80' TO T/ WATER  
1986 DRY @ 35'
4. T17S, R36E, SEC 25 NE/4, SE/4, NW/4, SW/4, NW/4  
1/23/86 35.36' TO T/ WATER  
6/6/90 Cl<sup>-</sup> = 76 mg/l  
Sp. Cond = 631
5. T17S R37E SEC 18  
SE/4, NE/4, SE/4, NW/4, SE/4  
Domestic Well  
98' TD  
1/14/86 47.77' TO T/ WATER  
1/24/91 50.16' TO " "  
6/6/90 Cl<sup>-</sup> = 312 mg/l  
Sp Cond = 601
6. T17S R37E SEC 30  
SE/4, SW/4, NE/4, NE/4, SE/4  
1/24/86 40.57' TO T/ WATER  
1/24/91 41.93' TO T/ WATER

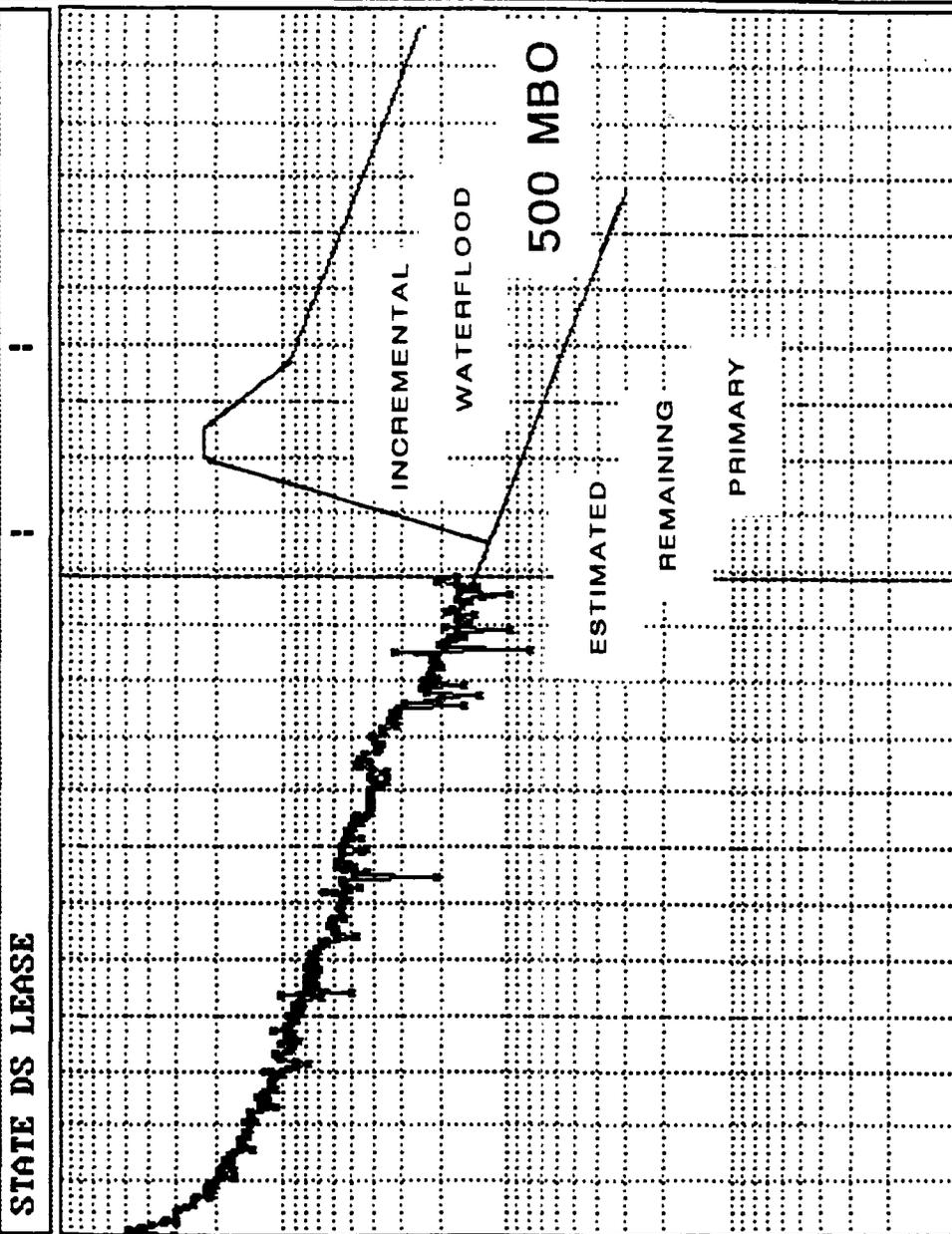
PRIMARY PLUS

WATERFLOOD

PRIMARY

OIL /d  
 EUR= 1314323  
 Ref= 11/93  
 Cum= 778718  
 Q = 13.88  
 n = .0000  
 De= 10.600  
 Qab= 24.66  
 Rem= 535605  
 Yrs= 19.583  
 Qmo= 420.1  
 Act= .0

OIL /d  
 EUR= 814323  
 Ref= 11/93  
 Cum= 778718  
 Q = 13.87  
 n = .0000  
 De= 10.600  
 Qab= 2.96  
 Rem= 35605  
 Yrs= 13.833  
 Qmo= 420.1  
 Act= .0



72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 Major=OIL

BEFORE EXAMINER

Oil Conservation Division

Southland Exhibit No. 10

Case No. 10891

STATE "DS" Lease  
 Lea County, New Mexico  
 EXHIBIT H

110 .  
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001

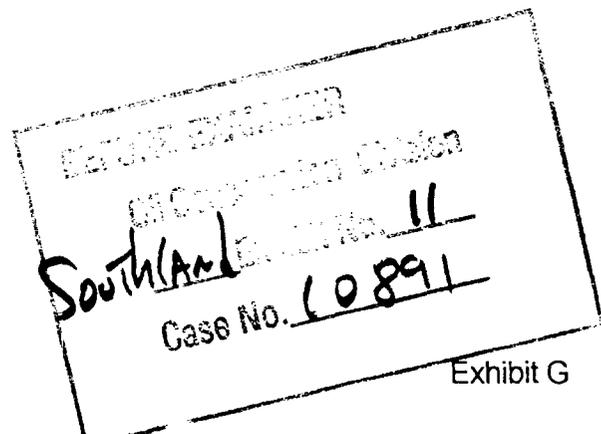
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**STATE 'DS' LEASE**  
**SPENCER SAN ANDRES FIELD**  
**LEA COUNTY, NEW MEXICO**

**LEASE PRODUCTION**

<u>DATE</u>	<u>OIL (BBLs)</u>	<u>CUM OIL (BBLs)</u>	<u>GAS (MCF)</u>	<u>CUM GAS (MCF)</u>	<u>WATER (BBLs)</u>	<u>CUM WATER (BBLs)</u>
PRIOR CUM'S:		745539		219614		1780003
<b>1989</b>						
JAN	942	746481	1294	220908	5270	1785273
FEB	480	746961	213	221121	3890	1789163
MAR	887	747848	245	221366	5270	1794433
APR	616	748464	194	221560	4290	1798723
MAY	606	749070	280	221840	5270	1803993
JUN	415	749485	181	222021	4080	1808073
JUL	707	750192	266	222287	5270	1813343
AUG	681	750873	257	222544	5005	1818348
SEPT	683	751556	220	222764	4930	1823278
OCT	745	752301	246	223010	5270	1828548
NOV	479	752780	164	223174	4469	1833017
DEC	648	753428	174	223348	5270	1838287
<b>TOTAL '89</b>	<b>7889</b>		<b>3734</b>		<b>58284</b>	
<b>1990</b>						
JAN	722	754150	176	223524	5270	1843557
FEB	631	754781	208	223732	4760	1848317
MAR	691	755472	208	223940	5270	1853587
APR	663	756135	175	224115	4900	1858487
MAY	678	756813	164	224279	5270	1863757
JUN	602	757415	170	224449	4860	1868617
JUL	659	758074	214	224663	4170	1872787
AUG	643	758717	210	224873	4000	1876787
SEPT	652	759369	274	225147	4930	1881717
OCT	668	760037	228	225375	4250	1885967
NOV	645	760682	213	225588	5100	1891067
DEC	666	761348	196	225784	5270	1896337
<b>TOTAL '90</b>	<b>7920</b>		<b>2436</b>		<b>58050</b>	



# STATE 'DS' LEASE

SPENCER SAN ANDRES FIELD  
LEA COUNTY, NEW MEXICO

## LEASE PRODUCTION

<u>DATE</u>	<u>OIL (BBLs)</u>	<u>CUM OIL (BBLs)</u>	<u>GAS (MCF)</u>	<u>CUM GAS (MCF)</u>	<u>WATER (BBLs)</u>	<u>CUM WATER (BBLs)</u>
<b>1991</b>						
JAN	1003	762351	205	225989	0	1896337
FEB	241	762592	237	226226	4707	1901044
MAR	594	763186	227	226453	340	1901384
APR	628	763814	283	226736	2210	1903594
MAY	568	764382	288	227024	3230	1906824
JUN	534	764916	283	227307	4250	1911074
JUL	475	765391	255	227562	2890	1913964
AUG	558	765949	285	227847	4760	1918724
SEPT	496	766445	284	228131	3060	1921784
OCT	515	766960	292	228423	3230	1925014
NOV	301	767261	130	228553	3570	1928584
DEC	590	767851	187	228740	4420	1933004
<b>TOTAL '91</b>	<b>6503</b>		<b>2956</b>		<b>36667</b>	
<b>1992</b>						
JAN	458	768309	217	228957	4060	1937064
FEB	458	768767	438	229395	3740	1940804
MAR	518	769285	300	229695	4930	1945734
APR	522	769807	227	229922	4434	1950168
MAY	431	770238	183	230105	4105	1954273
JUN	579	770817	244	230349	5100	1959373
JUL	572	771389	267	230616	5100	1964473
AUG	544	771933	296	230912	4930	1969403
SEPT	488	772421	436	231348	5100	1974503
OCT	491	772912	702	232050	5270	1979773
NOV	455	773367	233	232283	5100	1984873
DEC	522	773889	295	232578	5270	1990143
<b>TOTAL '92</b>	<b>6038</b>		<b>3838</b>		<b>57139</b>	

**STATE 'DS' LEASE**  
**SPENCER SAN ANDRES FIELD**  
**LEA COUNTY, NEW MEXICO**

**LEASE PRODUCTION**

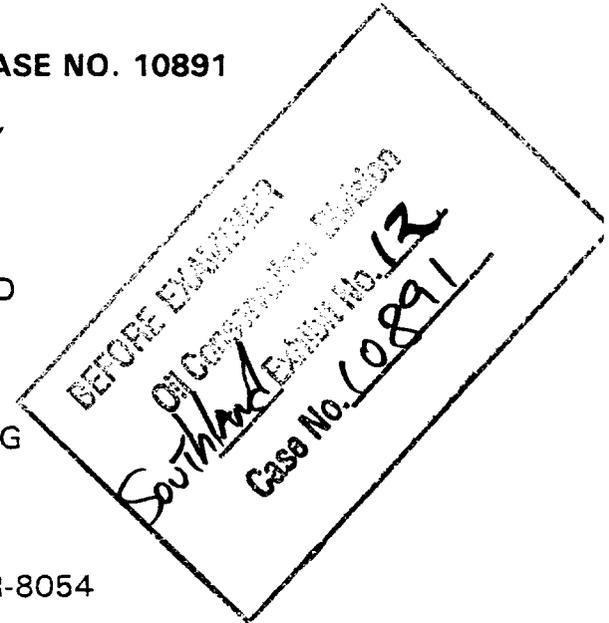
<u>DATE</u>	<u>OIL (BBLs)</u>	<u>CUM OIL (BBLs)</u>	<u>GAS (MCF)</u>	<u>CUM GAS (MCF)</u>	<u>WATER (BBLs)</u>	<u>CUM WATER (BBLs)</u>
<b>1993</b>						
JAN	397	774286	254	232832	5270	1995413
FEB	303	774589	100	232932	4607	2000020
MAR	498	775087	246	233178	5114	2005134
APR	495	775582	293	233471	4947	2010081
MAY	445	776027	281	233752	5270	2015351
JUN	422	776449	244	233996	3400	2018751
JUL	516	776965	255	234251	5270	2024021
AUG	631	777596	317	234568	5060	2029081
SEPT	598	778194	320	234888	5400	2034481
OCT	524	778718	221	235109	6497	2040978
NOV						
DEC						
<b>TOTAL '93</b>	<b>4829</b>		<b>2531</b>		<b>50835</b>	

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

IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION  
FOR THE PURPOSE OF CONSIDERING:

CASE NO. 10891

APPLICATION OF SOUTHLAND ROYALTY COMPANY  
FOR APPROVAL OF A WATERFLOOD PROJECT FOR  
ITS STATE "DS" LEASEHOLD AND TO QUALIFY  
SAID PROJECT FOR THE RECOVERED OIL TAX  
RATE PURSUANT TO THE "NEW MEXICO ENHANCED  
OIL RECOVERY ACT," LEA COUNTY, NEW MEXICO



CERTIFICATE OF MAILING

AND

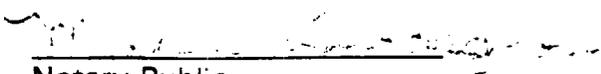
COMPLIANCE WITH ORDER R-8054

W. THOMAS KELLAHIN, attorney in fact and authorized representative of Southland Royalty Company, states that the notice provisions of Division Rule 1207 (Order R-8054) have been complied with, that Applicant has caused to be conducted a good faith diligent effort to find the correct addresses of all interested parties entitled to receive notice, that on the 14th day of December 1993, I caused to be mailed by certified mail return-receipt requested notice of this hearing and a copy of the application for the above referenced case along with the cover letter, at least twenty days prior to the hearing set for January 6 1994, to the parties shown in the application as evidenced by the attached copies of return receipt cards, and that pursuant to Division Rule 1207, notice has been given at the correct addresses provided by such rule.

Original signed by  
W. THOMAS KELLAHIN

W. Thomas Kellahin

SUBSCRIBED AND SWORN to before me this 3rd day of JANUARY, 1994.

  
Notary Public

My Commission Expires:

June 9, 1997

P 676 666 334



**Certified Mail Receipt**

No Insurance Coverage Provided

Do not use for International Mail

(See Reverse)

John T. Stallings  
P.O. Box 685  
Creedmor, NM

00 June 1990

	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$

Postmark or Date  
12/14/93  
Southland Royalty company

P 321 000 800



**Receipt for  
Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Alan Jochimsen  
2402 Cimmaron  
Midland, Texas 79705

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom Date, and Addressee's Address	
TOTAL Postage & Fees	\$

PS Form 3830, June 1991

12/14/93  
Southland Royalty company

P 321 000 799



**Receipt for  
Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

James Ronald Ewing  
700 East 9th Street Apt 11K  
Little Rock, AR 72202

00, June 1991

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

12/14/93  
Southland Royalty company

P 321 000 802



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Yates Petroleum Corp.  
105 South 4th Street  
Artesia, NM 88210

3800, June 1991

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

12/14/93  
Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

12/14/93  
Southland Royalty company

so that we can

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

does not permit.

- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

**3. Article Addressed to:**

Yates Petroleum Corp.  
105 South 4th Street  
Artesia, NM 88210

**4a. Article Number**

321 000 802

**4b. Service Type**

- Registered  Insured
- Certified  COD
- Express Mail  Return Receipt for Merchandise

**7. Date of Delivery**

DEC 17 1993

**5. Signature (Addressee)**

**6. Signature (Agent)**

**8. Addressee's Address (Only if requested and fee is paid)**

Thank you for using Return Receipt Service.

P 321 001 076



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

John T. Stallings  
P.O. box 685  
Creedmor, North Carolina

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, June 1991

of envelope to the address

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
12/14/93  
Southland Royalty company so that we can

- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
John T. Stallings  
P.O. Box 685  
Creedmor, NM

4a. Article Number  
1676 666 334

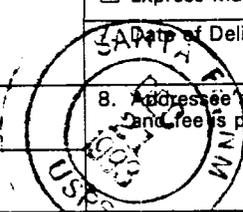
4b. Service Type  
 Registered     Insured  
 Certified     COD  
 Express Mail     Return Receipt for Merchandise

5. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)  
[Handwritten Signature]

8. Addressee's Address (Only if requested and fee is paid)



Thank you for using Return Receipt Service.

P 321 001 059



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Dorothy T. Scharbauer  
P.O. box 1471  
Midland, Texas 79702

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom Date and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

900, June 1991

12/14/93

Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
12/14/93  
Southland Royalty company

so that we can  
track if space

- Attach this form to the front of the mailpiece. If the return address does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1.  Addressee's Address
2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Dorothy T. Scharbauer  
P.O. box 1471  
Midland, Texas 79702

5. Signature (Addressee)  
*Judy Johnson*

6. Signature (Agent)

4a. Article Number  
321 001 059

4b. Service Type  
 Registered     Insured  
 Certified     COD  
 Express Mail     Return Receipt for Merchandise

7. Date of Delivery  
DEC 17 1993

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

321 000 804



Receipt for Certified Mail

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Howell Spears  
P.O. Box 4246  
Gulfport, NM 39501

1800, June 1991

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

12/14/93  
Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
12/14/93  
Southland Royalty company

so that we can  
ack if space

- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Howell Spears  
P.O. Box 4246  
Gulfport, NM 39501

4a. Article Number  
321 000 804

4b. Service Type

Registered  Insured

Certified  Return Receipt for Merchandise

Express Mail

7. Date of Delivery

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)  
*Best L. Owen*



Thank you for using Return Receipt Service.

P 670 814 589



### Certified Mail Receipt

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Oxy USA, Inc.  
P.O. Box 1392  
Hobbs, NM 88241

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	

300, June 1990

12/14/93  
Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

<b>SENDER:</b> 12/14/93 Southland Royalty company		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.
3. Article Addressed to: Oxy USA, Inc. P.O. Box 1392 Hobbs, NM 88241		4a. Article Number 670 814 589
5. Signature (Addressee) <i>[Signature]</i>		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise
6. Signature (Agent) <i>[Signature]</i>		7. Date of Delivery 12/17/93
		8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

P 676 666 306



### Certified Mail Receipt

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

The Moran Patnership  
1000 E. Walker Drive  
Hobbs, NM 88241

	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	

P.S. Form 3800 June 1990

12/14/93  
Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

12/14/93

Southland Royalty company

so that we can

return this card to you.

- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

The Moran Patnership  
1000 E. Walker Drive  
Hobbs, NM 88241

4a. Article Number

676 666 306

4b. Service Type

- Registered  Insured
- Certified  COD
- Express Mail  Return Receipt for Merchandise

7. Date of Delivery

12-16-93

5. Signature (Addressee)

Brenda G. Home Sherbert

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

Thank you for using Return Receipt Service.

P 321 000 803



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Ken McPeters  
P.O. Box 1860  
Hobbs, NM 88240

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

1800, June 1991  
PS

12/14/93  
Southland Royalty company

Is Your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
12/14/93  
Southland Royalty company

so that we can

- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1.  Addressee's Address
2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Ken McPeters  
P.O. Box 1860  
Hobbs, NM 88240

4a. Article Number  
321 000 803

4b. Service Type

Registered       Insured  
 Certified         COD  
 Express Mail     Return Receipt for Merchandise

7. Date of Delivery  
12/20/93

5. Signature (Addressee)  
*Ken McPeters*

6. Signature (Agent)  
*Theresa A. Shalley*

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

P 321 001 091



Receipt for Certified Mail

No Insurance Coverage Provided  
Do not use for International Mail  
(See Back)

Maralo, Inc.  
Five Post Oak Park  
Suite 1010  
Houston, Texas 77027

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

300, June 1991

SOUTH LAND ROYALTY COMPANY

12/14/93  
Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

12/14/93 Southland Royalty company		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
<ul style="list-style-type: none"> <li>Attach this form to the front of the mailpiece, or on the back if space does not permit.</li> <li>Write "Return Receipt Requested" on the mailpiece below the article number.</li> <li>The Return Receipt will show to whom the article was delivered and the date delivered.</li> </ul>			
3. Article Addressed to: Maralo, Inc. Five Post Oak Park Suite 1010 Houston, Texas 77027		4a. Article Number 321 001 091	
		4b. Service Type <input checked="" type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise	
5. Signature (Addressee)		7. Date of Delivery 12/14/93	
6. Signature (Agent) <i>Blair Saluda</i>		8. Addressee's Address (Only if requested and fee is paid)	

Thank you for using Return Receipt Service.

P 670 814 588



### Certified Mail Receipt

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Marshall & Winston, Inc.  
P.O. Box 50880  
Midland, Texas 79710

	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	

800 June 1990

12/14/93  
Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
12/14/93  
Southland Royalty company so that we can

- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Marshall & Winston, Inc.  
P.O. Box 50880  
Midland, Texas 79710

4a. Article Number  
670 814 588

4b. Service Type  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)  
*Dina Heckner*

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

DEC 17 1993

Thank you for using Return Receipt Service.

**SENDER:**  
 12/14/93  
 Southland Royalty company

I also wish to receive the following services (for an extra fee):  
 1.  Addressee's Address  
 2.  Restricted Delivery  
 Consult postmaster for fee.

3. Article Addressed to:  
 E. L. Latham Co.  
 P.O. Box 1392  
 Hobbs, Nm 88241

4a. Article Number  
 670 814 590

4b. Service Type  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

5. Signature (Addressee)  
*E. L. Latham*

6. Signature (Agent)

7. Date of Delivery  
 12/17/93

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1992-323-402 **DOMESTIC RETURN RECEIPT**

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.



E. L. Latham Co.  
 P.O. Box 1392  
 Hobbs, Nm 88241

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	

12/14/93  
 Southland Royalty company

300, June 1990

P 676 666 308



**Certified Mail Receipt**  
No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Charles Doombas, Trustee  
Charles f. Doombas  
Revocable Trust  
P.O. Box 639  
Bartlesville, OK 74005

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	

300, June 1990

12/14/93  
Southland Royalty company

**SENDER:**  
12/14/93  
Southland Royalty company

I also wish to receive the following services (for an extra fee):  
 1.  Addressee's Address  
 2.  Restricted Delivery  
 Consult postmaster for fee.

3. Article Addressed to:  
Charles Doombas, Trustee  
Charles f. Doombas  
Revocable Trust  
P.O. Box 639  
Bartlesville, OK 74005

4a. Article Number  
676 666 308

4b. Service Type  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery  
12-20-93

5. Signature (Addressee)  
Charles Doombas

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1992-323-402 **DOMESTIC RETURN RECEIPT**

Is your RETURN ADDRESS completed on the reverse side?

Thank you for your business.

P 321 000 805



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Elbert Damon Ship  
& suzy Laverne Shipp  
1104 Ave. J. West  
Lovington, NM 88260

PS Form 3800, June 1991

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	12/14/93
Southland Royalty company	

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
12/14/93  
Southland Royalty company

so that we can track if space

does not permit.  
• Write "Return Receipt Requested" on the mailpiece below the article number.  
• The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Elbert Damon Ship  
& suzy Laverne Shipp  
1104 Ave. J. West  
Lovington, NM 88260

4a. Article Number  
321 000 805

4b. Service Type  
 Registered  
 Certified  
 Express Mail  
 Insured  
 COP  
 Return Receipt for Merchandise

7. Date of Delivery  
12/14/93

5. Signature (Addressee)  
*E. D. Shipp*

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

**SENDER:**  
 • Complete items 1 and/or 2 for additional services.  
 • Complete items 3, and 4a & b.  
 Print your name and address on the reverse of this form so that we can return this card to you.

12/14/93  
 Southland Royalty company

back if space  
 the article number  
 the article was delivered and the date

1. I also wish to receive the following services for an extra fee:  
 Addressee's Address  
 Restricted Delivery  
 Consult postmaster for fee.

3. Article Addressed to:  
 Cross Timbers Oil Co. L.P.  
 810 Huston St., Suite 2000  
 Fort Worth, Texas 76102

4a. Article Number  
 321 001

4b. Service Type:  
 Registered  
 Certified  
 Express Mail  
 Return Receipt for Merchandise

7. Date of Delivery  
 Dec 20 1993

5. Signature (Addressee)

6. Signature (Agent)  
 Barbara H. [Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1992-323-402

**DOMESTIC RETURN RECEIPT**

Is your RETURN ADDRESS completed on the reverse side?  
 Thank you for using Return Receipt Service

P 321 001 058



**Receipt for Certified Mail**

No Insurance Coverage Provided  
 Do not use for International Mail

Cross Timbers Oil Co. L.P.  
 810 Huston St., Suite 2000  
 Fort Worth, Texas 76102

	\$
Postage	
Registered Mail Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

800, June 1991

12/14/93  
 Southland Royalty company

P 676 666 326



**Certified Mail Receipt**  
No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

The Bevridge Co.  
P.O. Box 993  
Midland, Texas 79702

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	

800, June 1990

12/14/93  
Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
12/14/93  
Southland Royalty company

I also wish to receive the following services (for an extra fee):  
 1.  Addressee's Address  
 2.  Restricted Delivery  
 Consult postmaster for fee.

3. Article Addressed to:  
The Bevridge Co.  
P.O. Box 993  
Midland, Texas 79702

4a. Article Number  
676 666 326

4b. Service Type  
 Registered  
 Certified  
 Insured  
 COD  
 Express Mail  
 Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)  
*[Handwritten Signature]*

8. Addressee's Address (Only if requested and fee is paid)



Thank you for using Return Receipt Service.



Norma Barton  
 P.O. Box 729  
 Hobbs, NM 88240

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	
12/14/93	
Southland Royalty company	

3800, June 1990

**SENDER:**  
 12/14/93  
 Southland Royalty company  
 so that we can back if space

I also wish to receive the following services (for an extra fee):  
 1.  Addressee's Address  
 2.  Restricted Delivery  
 Consult postmaster for fee.

3. Article Addressed to:  
 Norma Barton  
 P.O. Box 729  
 Hobbs, NM 88240

4a. Article Number  
 670 689 137

4b. Service Type  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery  
 12-20-93

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

P 676 666 307



**Certified Mail Receipt**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Roy G. Barton Jr.  
P.O. Box 978  
Hobbs, Nm 88241

	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$

00, June 1990

12/14/93  
Southland Royalty company

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
12/14/93  
Southland Royalty company

so that we can  
back if space

do not permit.  
• Write "Return Receipt Requested" on the mailpiece below the article number.  
• The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1.  Addressee's Address  
2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Roy G. Barton Jr.  
P.O. Box 978  
Hobbs, Nm 88241

4a. Article Number  
676 666 307

4b. Service Type

Registered  Insured  
 Certified  COB  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery  
12-16-93

5. Signature (Addressee)  
*Roy G. Barton Jr.*

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

Thank you for using Return Receipt Service.

