

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Conservation  
P.O. Box 1980  
Hobbs, NM 88241

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
LC 063458

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Warren Unit, Well #130

9. API Well No.  
30-025-33484

10. Field and Pool, or Exploratory Area  
Warren Grayburg San Andres

11. County or Parish, State  
Lea, NM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
CONOCO INC  
CONOCO INC.

3. Address and Telephone No.  
10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

4. Location of Well (Footage, Sec., T, R, M. or Survey Description)  
450' FNL & 350' FWL, Sec. 34, T 20S, R 38E, Unit Ltr 'D'

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Repon	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracuring
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other OO & GO #7 IIIA	<input type="checkbox"/> Dispose Water

(Note: Repon result of multiple completion well completion or recompletion report and log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Water Producing Formation: Warren Grayburg San Andres  
Amount of Water Produced: 102 bpd  
Current Water Analysis Attached: Yes  
How is Water Stored on Lease: 400 bbl Tank (above ground)  
How is Water Moved: By Transfer Pump  
Disposal Facility Operator Name: Conoco Inc  
Disposal Facility Well Name / No.: SEMU Well # 95, Unit J, Sec.23, T 20S, R 37E  
NMOCD SWD Permit #: R -9327

Your approval of this method of disposal is respectfully requested.

SEE ATTACHED FOR  
COPY OF APPROVAL

RECEIVED  
1998 MAR 17 P 1:40  
BUREAU OF LAND MGMT.  
HOBBS, NEW MEXICO

14. I hereby certify that the foregoing is true and correct

Signed Bill R. Keathly Title Sr. Regulatory Specialist Date 3-16-98

(This space for Federal or State office use)

Approved by: (ORIG. SGD.) ALEXIS C SWOBODA Title PETROLEUM ENGINEER Date MAR 25 1998

Conditions of approval if any:

BLM(6), BRK, PONCA, DJS, FILE ROOM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Saturation Index Calculations**  
Champion Technologies, Inc.  
(Based on the Tomson-Oddo Model)

**Site Information**

Company	Conoco
Field	Warren Unit
Point	#130
Date	3/2/98

**Water Analysis (mg/L)**

Calcium	1,203
Magnesium	388
Barium	0
Strontium	0
Sodium*	6873
Bicarbonate Alkalinity	1,671
Sulfate	3,912
Chloride	10,000

\* - Calculated Value

**Appended Data**

Dissolved CO2	702 mg/L	Well head pH	6.01 value
Dissolved O2	N/A PPM		
H2S	292 mg/L		
Iron	0.0 mg/L		
Resistivity	N/A value		
Specific Gravity	1.017 value		
TDS	24068 mg/L		
Total Hardness	4600 mg/L		

**Physical Properties**

Ionic Strength*	0.48
pH*	6.13
Temperature	100°F
Pressure	100 psia

\* - Calculated Value

**Calcite Calculation Information**

<i>Calculation Method</i>	<i>Value</i>
CO2 in Brine	702 mg/L
<i>Bicarbonate Alkalinity Correction(s)</i>	<i>Value</i>
None Used	---

**SI & PTB Results**

<i>Scale Type</i>	<i>SI</i>	<i>PTB</i>
Calcite (Calcium Carbonate)	0.02	15.0
Gypsum (Calcium Sulfate)	-0.18	N/A
Hemihydrate (Calcium Sulfate)	-0.10	N/A
Anhydrite (Calcium Sulfate)	-0.34	N/A
Barite (Barium Sulfate)	N/A	N/A
Celestite (Strontium Sulfate)	N/A	N/A