

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Cons.
P.O. Box 1980
Hobbs, NM 88241

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

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)

1980' FSL & 660' FWL, Sec. 27, T 20S, R 38E, Unit Ltr 'L'

5. Lease Designation and Serial No.

LC 031695B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Warren Unit, Well #138

9. API Well No.

30-025-33867

10. Field and Pool, or Exploratory Area

Warren Grayburg San Andres

11. County or Parish, State

Lea, NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Repon
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☒ Other OO & GO #7 ILLA

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracrunng
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Repon results of multiple completion on Vdrl 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:
Amount of Water Produced:
Current Water Analysis Attached:
How is Water Stored on Lease:
How is Water Moved:
Disposal Facility Operator Name:
Disposal Facility Well Name / No.:

Warren Grayburg San Andres
96 bpd
Yes
400 bbl Tank (above ground)
By Transfer Pump
Conoco Inc
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
CONDITIONS OF APPROVAL**

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

Signed

Title

Bill R. Keathly
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.

*See Instruction on Reverse Side

RECEIVED
1998 MAR 17 P 1:44
BUREAU OF LAND MGMT.
HOBBS, NEW MEXICO

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

Site Information

Company	Conoco
Field	Warren Unit
Point	#138
Date	3/2/98

Water Analysis (mg/L)

Calcium	1,203
Magnesium	437
Barium	0
Strontium	0
Sodium*	4173
Bicarbonate Alkalinity	1,183
Sulfate	4,269
Chloride	6,000

* - Calculated Value

Appended Data

Dissolved CO2	439 mg/L	Well head pH	6.54 value
Dissolved O2	N/A PPM		
H2S	39 mg/L		
Iron	4.0 mg/L		
Resistivity	N/A value		
Specific Gravity	1.012 value		
TDS	17288 mg/L		
Total Hardness	4800 mg/L		

Physical Properties

Ionic Strength*	0.37
pH*	6.21
Temperature	100°F
Pressure	100 psia

* - Calculated Value

Calcite Calculation Information

<i>Calculation Method</i>	<i>Value</i>
CO2 in Brine	439 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)	0.06	31.8
Gypsum (Calcium Sulfate)	-0.13	N/A
Hemihydrate (Calcium Sulfate)	-0.04	N/A
Anhydrite (Calcium Sulfate)	-0.30	N/A
Barite (Barium Sulfate)	N/A	N/A
Celestite (Strontium Sulfate)	N/A	N/A