

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Cons.
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)

2100' FSL & 990' FEL, Sec. 28, T 20S, R 38E, Unit Ltr 'I'

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 #131

9. API Well No.

30-025-33473

10. Field and Pool, or Exploratory Area

Warren Grayburg San Andres

11. County or Parish, State

Lea, NM

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 III.A

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

(Note: Repon result of multiple completion on Wdl 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: 80 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
COMMITTEE OF APPROVAL

RECEIVED
1998 MAR 17 P 1:41
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 SWORON Title: PETROLEUM ENGINEER
Conditions of approval if any:

Date: MAR 25 1998

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

Calcium Index Calculation
Champion Technologies, Inc.
with Tomson's Oolite Model

Site Information

Company	Conoco
Field	Warren Unit
Point	#131
Date	3/2/98

Water Analysis (mg/L)

Calcium	104	Calcium Carbonate	105 mg/l	Well head #1	6.62 value
Magnesium	38	Calcium Chloride	N/A PPM		
Barium			110 mg/l		
Strontium			50 mg/l		
Sodium*	581	Calcium Oxide	N/A value		
Bicarbonate Alkalinity	139	Calcium Sulfate	1014 value		
Sulfate	3345		20999 mg/l		
Chloride	8090	Calcium Hydroxide	4000 mg/l		

* - Calculated Value

Physical Properties

Ionic Strength*	0.1
pH*	6.1
Temperature	100°F
Pressure	100 psia

* - Calculated Value

Calcite Calculation Information

Calculation Method	Value
CO2 in Brine	3.95 mg/L
Bicarbonate Alkalinity Correction	
None Used	

SI & PTB Results

Scale Type	PTB
Calcite (Calcium Carbonate)	156.3
Gypsum (Calcium Sulfate)	N/A
Hemihydrate (Calcium Sulfate)	N/A
Anhydrite (Calcium Sulfate)	N/A
Barite (Barium Sulfate)	N/A
Celestite (Strontium Sulfate)	N/A

Saturation Index Calculations

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

Site Information

Company	Conoco
Field	Warren Unit
Point	#131
Date	3/2/98

Water Analysis (mg/L)

Calcium	1,042
Magnesium	388
Barium	0
Strontium	0
Sodium*	5812
Bicarbonate Alkalinity	1,891
Sulfate	3,846
Chloride	8,000

* - Calculated Value

Appended Data

Dissolved CO2	395 mg/L	Well head pH	6.63 value
Dissolved O2	N/A PPM		
H2S	410 mg/L		
Iron	8.0 mg/L		
Resistivity	N/A value		
Specific Gravity	1.014 value		
TDS	20999 mg/L		
Total Hardness	4200 mg/L		

Physical Properties

Ionic Strength*	0.42
pH*	6.44
Temperature	100°F
Pressure	100 psia

* - Calculated Value

Calcite Calculation Information

Calculation Method	Value
CO2 in Brine	395 mg/L
Bicarbonate Alkalinity Correction(s)	
	Value
None Used	---

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	0.38	256.3
Gypsum (Calcium Sulfate)	-0.23	N/A
Hemihydrate (Calcium Sulfate)	-0.14	N/A
Anhydrite (Calcium Sulfate)	-0.40	N/A
Barite (Barium Sulfate)	N/A	N/A
Celestite (Strontium Sulfate)	N/A	N/A