

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)

2203' FSL & 2058' FEL, Sec. 28, T 20S, R 38E, Unit Ltr 'J'

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 #108

9. API Well No.

30-025-32666

10. Field and Pool, or Exploratory Area

Warren Drinkard/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 IILA**

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracrunng

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Reponresultsof multiplecompletionVdlt
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 Drinkard/Warren San Andres

Amount of Water Produced:

107 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
CONDITIONS OF APPROVAL

RECEIVED
1998 MAR 17 P 1:34
BUREAU OF LAND MGMT.
HOBBS, NEW MEXICO

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

Signed *Bill R. Keathly*

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

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

Site Information

Company	Conoco
Field	Warren Unit <i>San Andres</i>
Point	#108(West Production)
Date	12/3/97

Water Analysis (mg/L)

Calcium	1,122
Magnesium	486
Barium	0
Strontium	0
Sodium*	3704
Bicarbonate Alkalinity	2,281
Sulfate	2,424
Chloride	6,000

Appended Data

Dissolved CO2	219 mg/L
Dissolved O2	N/A PPM
H2S	342 mg/L
Iron	1.0 mg/L
Resistivity	N/A value
TDS	16041 mg/L
Total Hardness	4800 mg/L
Well head pH	7.33 value

* - Calculated Value

Physical Properties

Ionic Strength*	0.33
pH*	6.81
Temperature	100°F
Pressure	100 psia

* - Calculated Value

Calcite Calculation Information

Calculation Method	Value
CO2 in Brine	219 mg/L
Bicarbonate Alkalinity Correction(s)	Value
None Used	---

SI & PTB Results

Scale Type	SI	PTB
Calcite (Calcium Carbonate)	0.96	605.5
Gypsum (Calcium Sulfate)	-0.37	N/A
Hemihydrate (Calcium Sulfate)	-0.26	N/A
Anhydrite (Calcium Sulfate)	-0.54	N/A
Barite (Barium Sulfate)	N/A	N/A
Celestite (Strontium Sulfate)	N/A	N/A

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

Site Information

Company	Conoco
Field	Warren Unit <i>Drinkard</i>
Point	#108(East Production)
Date	12/3/97

Water Analysis (mg/L)

Calcium	7,418
Magnesium	3,402
Barium	0
Strontium	0
Sodium*	49817
Bicarbonate Alkalinity	195
Sulfate	2,371
Chloride	98,000

* - Calculated Value

Appended Data

Dissolved CO2	219 mg/L
Dissolved O2	N/A PPM
H2S	5.0 mg/L
Iron	10.0 mg/L
Resistivity	N/A value
TDS	161382 mg/L
Total Hardness	32500 mg/L
Well head pH	6.94 value

Physical Properties

Ionic Strength*	3.17
pH*	6.15
Temperature	100°F
Pressure	100 psia

* - Calculated Value

Calcite Calculation Information

<i>Calculation Method</i>	<i>Value</i>
CO2 in Brine	219 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)	-0.58	N/A
Gypsum (Calcium Sulfate)	0.07	181.5
Hemihydrate (Calcium Sulfate)	0.04	85.0
Anhydrite (Calcium Sulfate)	0.16	287.2
Barite (Barium Sulfate)	N/A	N/A
Celestite (Strontium Sulfate)	N/A	N/A