

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Drawer DD
Artesia, NM 88210

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 reenter to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well ☒ Oil Well ☐ Gas Well ☒ Other OO&GO #7 III.A APR - 1 1994
2. Name of Operator Conoco Inc.
3. Address and Telephone No. 10 Desta Drive STE 100W, Midland, TX 79705 (915)686-5424
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FSL & 660' FEL, SEC. 35, T-20S, R-24E, UNIT LTR 'P'

5. Lease Designation and Serial No.
NM 045276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
PRESTON FEDERAL #10

9. API Well No.
30-015-27715

10. Field and Book or Exploratory Area
DAGGER DRAW UPPER PENN

11. County or Parish, State
EDDY, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

(Note: Report results of multiple completion on 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.)*

FORMATION PRODUCING WATER:
AMOUNT OF WATER PRODUCED:
WATER ANALYSIS:
HOW WATER IS STORED ON LEASE:
HOW WATER IS MOVED TO DISPOSAL:
DISPOSAL SYSTEM OPERATOR:
DISPOSAL WELLS - NAME, NUMBER,
LOCATION & NMOC permit numbers:

CISCO
53 BWPD
SEE ATTACHED
NO WATER STORED ON LEASE.
PIPED FROM TREATING EQUIPMENT.
CONOCO INC.
MONSANTO FOSTER SWD NO. 1
UNIT D, SEC. 5 T-20S, R-25E
CASE #5455, ORDER R-4158B

KING SWD NO. 1
UNIT C, SEC. 9, T-20S, R-35E
CASE #5708, ORDER R-5250

PIT APPROVALS:

NONE

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

Signed

Shannon J. Shaw

Title

SR. REGULATORY SPEC

Date

3-11-94

(This space for Federal or State office use)

Approved by

Signed by Shannon J. Shaw

Title

PETROLEUM ENGINEER

Date

3/30/94

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

TRETOLITE DMSION

 (505) 746-3588
 Fax (505) 746-3580

 Reply to:
 P.O. Box FF
 Artesia, NM
 88211-7531

 WATER ANALYSIS REPORT

 Company : CONOCO, INC.
 Address : MIDLAND, TEXAS
 Lease : PRESTON FEDERAL
 Well : #10
 Sample Pt. : WELLHEAD

 Date : 03/02/94
 Date Sampled : 03/02/94
 Analysis No. : 583

ANALYSIS		mg/L		* meq/L
-----		----		-----
1. pH	7.2			
2. H ₂ S	250 PPM			
3. Specific Gravity	1.005			
4. Total Dissolved Solids		8272.3		
5. Suspended Solids		NR		
6. Dissolved Oxygen		NR		
7. Dissolved CO ₂		NR		
8. Oil In Water		NR		
9. Phenolphthalein Alkalinity (CaCO ₃)				
10. Methyl Orange Alkalinity (CaCO ₃)				
11. Bicarbonate	HCO ₃	976.0	HCO ₃	16.0
12. Chloride	Cl	2619.0	Cl	73.9
13. Sulfate	SO ₄	2000.0	SO ₄	41.6
14. Calcium	Ca	740.0	Ca	36.9
15. Magnesium	Mg	266.4	Mg	21.9
16. Sodium (calculated)	Na	1670.9	Na	72.7
17. Iron	Fe	NR		
18. Barium	Ba	NR		
19. Strontium	Sr	NR		
20. Total Hardness (CaCO ₃)		2945.0		

 PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter		Compound	Equiv wt	X meq/L	= mg/L
+-----+					-----
37 *Ca <-----	*HCO ₃	Ca(HCO ₃) ₂	81.0	16.0	1297
-----	/----->	CaSO ₄	68.1	20.9	1424
22 *Mg <-----	*SO ₄	CaCl ₂	55.5		
-----	<-----/	Mg(HCO ₃) ₂	73.2		
73 *Na <-----	*Cl	MgSO ₄	60.2	20.7	1247
+-----+		MgCl ₂	47.6	1.2	57
Saturation Values Dist. Water 20 C		NaHCO ₃	84.0		
CaCO ₃	13 mg/L	Na ₂ SO ₄	71.0		
CaSO ₄ * 2H ₂ O	2090 mg/L	NaCl	58.4	72.7	4247
BaSO ₄	2.4 mg/L				

REMARKS:

----- A. MILLER / FILE

Petrolite Oilfield Chemicals Group

 Respectfully submitted,
 STEVE TIGERT

SCALE TENDENCY REPORT

Company	: CONOCO, INC.	Date	: 03/02/94
Address	: MIDLAND, TEXAS	Date Sampled	: 03/02/94
Lease	: PRESTON FEDERAL	Analysis No.	: 583
Well	: #10	Analyst	: STEVE TIGERT
Sample Pt.	: WELLHEAD		

STABILITY INDEX CALCULATIONS (Stiff-Davis Method) CaCO3 Scaling Tendency

S.I. =	1.1	at	60 deg. F	or	16 deg. C
S.I. =	1.1	at	80 deg. F	or	27 deg. C
S.I. =	1.1	at	100 deg. F	or	38 deg. C
S.I. =	1.2	at	120 deg. F	or	49 deg. C
S.I. =	1.2	at	140 deg. F	or	60 deg. C

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS (Skillman-McDonald-Stiff Method) Calcium Sulfate

S =	2478	at	60 deg. F	or	16 deg C
S =	2577	at	80 deg. F	or	27 deg C
S =	2616	at	100 deg. F	or	38 deg C
S =	2614	at	120 deg. F	or	49 deg C
S =	2602	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
STEVE TIGERT

(rev. 3/10/94)

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.