

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

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
CONCHO RESOURCES INC.

3. Address and Telephone No.
110 W. LOUISIANA STE 410; MIDLAND, TX 79701 (915) 683-7443

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL & 660' FWL, SEC. 6, 20S, 28E.

5. Lease Designation and Serial No.
NMNM96212

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Angel "6" Federal #1

9. API Well No.
30015-29380

10. Field and Pool; or Exploratory Area
WC; Fadeway Cisco Canyon

11. County or Parish, State
EDDY, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☒ 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.)*

Concho Resources Inc. respectfully requests approval for water disposal on the above federal lease. The following information is provided so that our method of disposal will be considered for approval.

Name of formation producing water on the lease: Cisco Canyon
Amount of water produced from the formation daily: 50 BWPD
Is water disposed into a pit? No.
How is water stored on lease: 500 bbl tank
How is water moved to disposal facility: truck

Operator of disposal system: Dakota Resources, Midland, Tx
Facility Name: Whistle Stop SWD
Legal Location: Sec. 8, T-21S, R-28E, Eddy Co., NM
NMOCD Permit Number: SWD 461

Operator of disposal system: Ray Westall Oper, Loco Hills, NM
Facility Name: Myrtle Myra SWD
Legal Location: Sec 32, T-21S, R-27E, Eddy Co., NM
NMOCD Permit Number: SWD 391

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

Signed [Signature] Title Production Analyst

Date 03/29/00

(This space for Federal or State office use)

Approved by [Signature] Title PETROLEUM ENGINEER

Date APR 05 2000

Conditions of approval, if any:

**MILLER CHEMICALS, INC.**

Post Office Box 298
Artesia, N.M. 88211-0298
(505) 746-1919 Artesia Office
(505) 393-2893 Hobbs Office
(505) 746-1918 Fax

WATER ANALYSIS REPORT

Company : CONCHO RESOURCES
Address :
Lease : ANGEL 6 FED.
Well : #1
Sample Pt. : WELLHEAD

Date : 11-17-99
Date Sampled : 11-17-99
Analysis No. :

ANALYSIS		mg/L	* meq/L
1. pH	7.2		
2. H ₂ S	2		
3. Specific Gravity	1.125		
4. Total Dissolved Solids		174279.4	
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	195.0	HCO ₃ 3.2
12. Chloride	Cl	102879.0	Cl 2902.1
13. Sulfate	SO ₄	3750.0	SO ₄ 78.1
14. Calcium	Ca	4000.0	Ca 199.6
15. Magnesium	Mg	609.9	Mg 50.2
16. Sodium (calculated)	Na	62845.5	Na 2733.6
17. Iron	Fe	0.0	
18. Barium	Ba	0.0	
19. Strontium	Sr	0.0	
20. Total Hardness (CaCO ₃)		12500.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
200 *Ca <----- *HCO ₃ 3	Ca(HCO ₃) ₂	81.0	3.2 259
/-----> -----	CaSO ₄	68.1	78.1 5315
50 *Mg -----> *SO ₄ 78	CaCl ₂	55.5	118.3 6565
<-----/ -----	Mg(HCO ₃) ₂	73.2	
2734 *Na -----> *Cl 2902	MgSO ₄	60.2	
+-----+	MgCl ₂	47.6	50.2 2389
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	2733.6 159752
BaSO ₄ 2.4 mg/L			

REMARKS:

BUREAU OF LAND MANAGEMENT
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
505-627-0272

**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 shall be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore 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 above ground 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 shall be covered with a wire screen to prevent entry by birds and other wildlife.
7. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
- S. 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.