

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103

Revised March 25, 1999

WELL API NO.

30-025- 00222

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement  
Name:

North Caprock Queen Unit

8. Well No.

16-6F

8. Pool name or Wildcat

Caprock Queen North

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well:

Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

State of New Mexico Oil Conservation Division

3. Address of Operator

1625 French Dr., Hobbs, NM 88240

4. Well Location

Unit Letter F : 1980 feet from the North line and 1980 feet from the West line

Section 6 Township 13S Range 32E NMPM County Lea

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE  
COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND  
ABANDONMENT ☐

CASING TEST AND  
CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of  
starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or  
recompilation.

OCD proposes to P&A per the attached procedure.

THE COMMISSION MUST BE NOTIFIED 24  
HOURS PRIOR TO THE BEGINNING OF  
PLUGGING OPERATIONS FOR THE C-103  
TO BE APPROVED.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE \_\_\_\_\_ TITLE Deputy Oil & Gas Inspector DATE \_\_\_\_\_

Type or print name Gary Wink

Telephone No. (505) 393-6161

(This space for State use)

APPROVED BY \_\_\_\_\_

Conditions of approval, if any:

TITLE

ORIGINAL SIGNED BY  
GARY W. WINK  
OCD FIELD REPRESENTATIVE II/STAFF MANAGER

DATE

JUL 29 1992

## **Typical Well Plugging Procedure Sierra Blanca Orphan Wells**

### **Basis of Plugging Design:**

Review of the well files resulted in the following information about the condition of the wells and what is needed to properly plug them:

**Surface casing:** 7" – 10 ¾" set at approximately 300' and cemented with 150 sacks. Benterra has assumed that these casing strings were cemented all the way to surface. Not all of the well files contained this information, but many did confirm that cement was circulated.

**Base of Fresh Water:** Paul Kautz advised that the base of fresh water was at approximately 300' in this area. Benterra has assumed that the base of fresh water is at the surface casing setting depth or at a minimum of 250'.

**Production Casing:** 4 ½" to 7" set at approximately 3000' and cemented with 600 sacks. The top of cement was recorded on only a very few wells; however, many permits contained the requirement that the casing strings be cemented through the top of the salt section, which occurs at approximately 1500' in this area. Several temperature surveys were run and confirmed this. Benterra has assumed that all of the production casing strings are adequately cemented at least through the salt section as the OCD required at the time they were drilled.

### **Typical Plugging Procedure**

Make sinker bar run to check for obstructions and TD

Displace or circulate wellbore with fresh water

Surface pour a bentonite plug from TD to at least 100' above the production casing shoe or top perforation

RIH with a wiper plug and set 50' below top of salt

Surface pour a bentonite plug from 50' below to at least 50' above the top of salt

RIH with wireline and perforate 50' below the surface casing shoe (minimum perf depth is 300')

RU cementer and squeeze/circulate cement from surface down production casing to provide for a 100' min plug behind the production casing

Leave production casing full of cement to surface and shut in

Dig out and cut off wellhead and install dry hole marker

Pack annulus with bentonite

Attempt to locate and cut off deadmen

Clean up location including any **above-ground** cement foundations

**WELL PLANNING SHEET  
PROPOSED P&A**

Well Name: North Caprock Queen Unit # 6-6 F  
API Number: 30-025- 00222  
Coordinates: 1980' ENL + 1980' FWL  
S - T - R: S 6 - T13S - R32E  
County / State: Lea, New Mexico  
Drilled: 8/47

Operator: OCD  
Field: \_\_\_\_\_  
Date: 7/18/02  
By: CRS

RKB = \_\_\_\_\_

**Formation Tops**

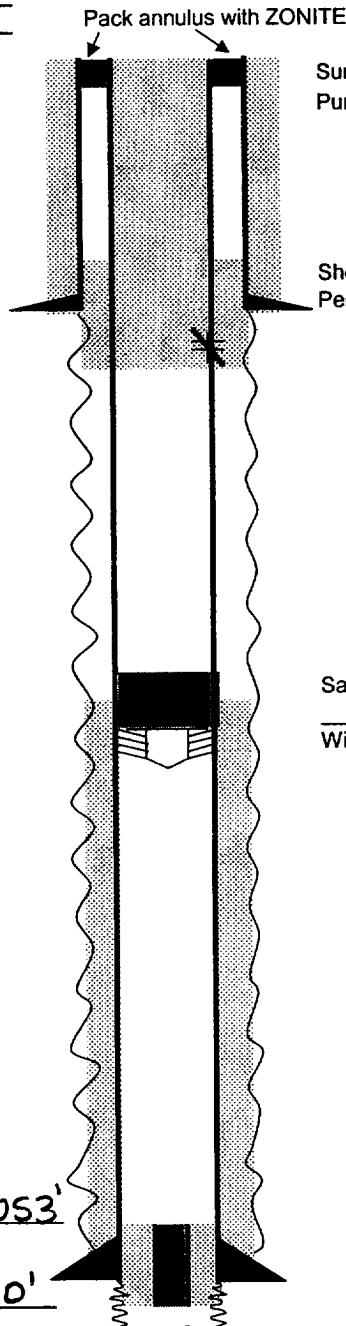
Salt 1580'  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ZONITE/CEMENT PLUGS**

Surface (cement) 3' - 243'  
Shoe (cement) 243' - 343'  
Salt (Zonite) 1530' - 1630'  
Bottom/Perf (Zonite) 2900' - 3053'

**Legend**

Cement  
Zonite  
Gravel



Surface Plug @ 3' - 243'  
Pump 28 sx cmt

Shoe Plug @ 243' - 343'  
Perf & Sqz @ 343' w/ 40 sx cmt

Casing Size 9 5/8" Wt. 25.7#  
Set @ 293' w/ 180 sx cmt  
Cemented to Surf (Vis)

Salt Plug (Zonite) @ 1530' - 1630'  
14 cu ft Zonite  
Wiper Plug @ 1630'

Liner Size 4 1/2" Wt. \_\_\_\_\_  
Set @ 2863' - 3048' w/ 75 sx cmt  
TOC \_\_\_\_\_

Bottom Plug (Zonite) @ 2900' - 3053'  
\_\_\_\_\_ cu ft Zonite

OH 3026' - 3040'

Casing Size 5 1/2" Wt. 14#  
Set @ 3000' w/ 600 sx cmt  
Cemented to \_\_\_\_\_

TD 3053'