

Submit 3 Copies To Appropriate District  
Office  
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  
Department of Energy, Minerals and Natural Resources

Form C-103  
Revised March 25, 1999

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

WELL API NO.

30-025- 00239

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.

71-6

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 2043 feet from the West line

Section 7 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 \_\_\_\_\_ TITLE \_\_\_\_\_

Conditions of approval, if any:

ORIGINAL SIGNED BY

GARY W. WINK

OC FIELD REPRESENTATIVE II/STAFF DATE

JUL 29 2002

## **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 # 7-6  
API Number: 30-025- 00239  
Coordinates: 1980' ENL + 2043' FWL  
S - T - R: S 7 - T13S - R32E UL F  
County / State: Lea, New Mexico  
Drilled: 3/48




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

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

**Formation Tops**

Salt 1501  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

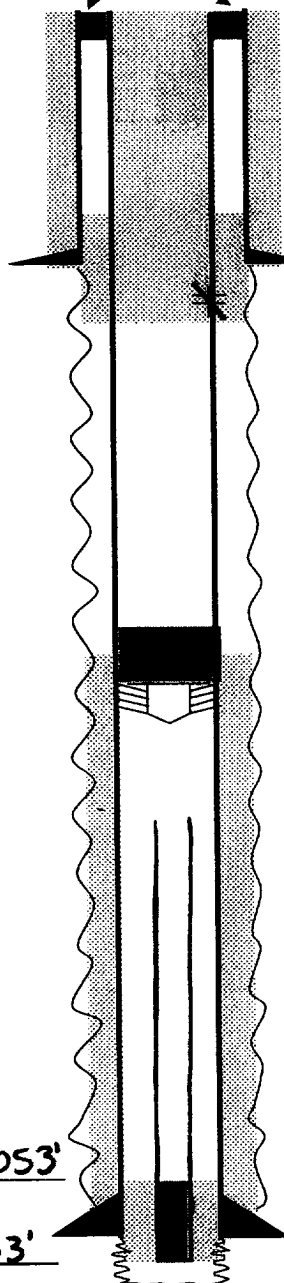
| ZONITE/CEMENT PLUGS  |                    |
|----------------------|--------------------|
| Surface (cement)     | <u>3'-234'</u>     |
| Shoe (cement)        | <u>234'-334'</u>   |
| Salt (Zonite)        | <u>1451'-1551'</u> |
| Bottom/Perf (Zonite) | <u>2938'-3053'</u> |

| Legend |   |
|--------|---|
| Cement |  |
| Zonite |  |
| Gravel |  |

Bottom Plug (Zonite) @ 2938-3053'  
28 cu ft Zonite

OH 3042'-3053'

Pack annulus with ZONITE



Surface Plug @ 3'-234'  
Pump 44 sx cmt

Shoe Plug @ 234'-334'  
Perf & Sqz @ 334' w/ 47 sx cmt

Casing Size 9 5/8" Wt. \_\_\_\_\_  
Set @ 284 w/ 150 sx cmt  
Cemented to Surf

Salt Plug (Zonite) @ 1441'-1551'  
24 cu ft Zonite  
Wiper Plug @ 1551'

Liner Size 4 1/2" Wt. \_\_\_\_\_  
Set @ 1968'-3038' (1070') w/ 107 sx cmt  
TOC \_\_\_\_\_

Casing Size 7" Wt. 20 #  
Set @ 3025' w/ 1250 sx cmt  
Cemented to ?

TD 3053'