

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

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

WELL API NO.
30-025-00245

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. 8

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 H: 1897 feet from the North line and 723 feet from the East 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.

Bottom Plug @ 2535' - 1650'
Filled with mud

Pumped 25 sx Class C cmt Tagged
Pumped 50 bbls 10# brine w/ 12.5# salt gel/bbl

Salt Plug @ 1288' - 1650'

Pumped 25 sx Class C cmt Tagged

Shoe Plug

Perf @ 362'. Could not pump through.

Gary Wink approved setting a 70' Surface plug.

Surface Plug @ 0' - 70'

6.3 cu ft ZONITE

Plugging operations began 10/10/02 and were completed on 12/19/02. Wellbore diagram attached
Benterra Corporation to set marker and clean location

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 _____

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

JAN 03 2003

Conditions of approval, if any:

P&A

Well Name: North Caprock Queen Unit # 7-8
 API Number: 30-025- 00245
 Coordinates: 1897' ENL + 723' FEL
 S-T-R: S 7 - T13S - R32E ULH
 County / State: Lea, New Mexico
 Drilled: 8/61

Operator: OCD
 Field:

RKB =

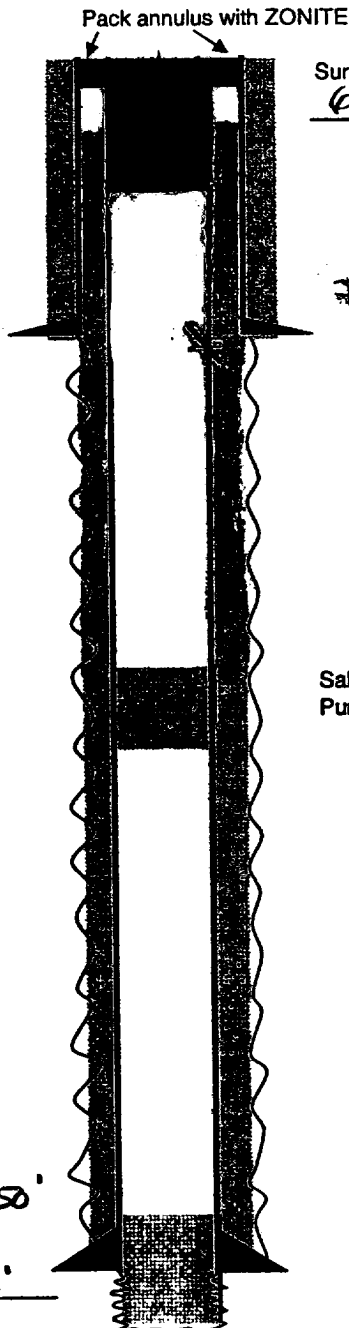
Formation Tops

Salt 1500'

ZONITE/CEMENT PLUGS	
Surface (Zonite)	0' - 70'
Shoe (cement)	Perf @ 362' Could not pump through
Salt (cement)	1288' - 1650'
Bottom/Perf (cement)	2535' - 2950'

Legend	
Cement	
ZONITE	
Gravel	

Bottom Plug @ 2535' - 2950'
 Pump 25 sx cmt
 PERF @ 3042' - 3052'



Surface Plug @ 0' - 70'
 63 cu ft ZONITE

Perf @ 362'
 Could not pump through

Casing Size 7" Wt. 14#
 Set @ 312' w/ 150 sx cmt
 Cemented to SURF (VIS)

Salt Plug @ 1288' - 1650'
 Pump 25 sx cmt

Casing Size 4 1/2" Wt. 9.5#
 Set @ 3070' w/ 250 sx cmt
 Cemented to ?

TO 3070'

2-1-1000
 000
 .ED

Daily Operations Log

Date: 12-19-02
Unit: R-4

Measurement Reference = _____ AGC

Total Manhours

Total Miles Driven

Crew

ZONITE™ _____ **FT**

Wiper Plugs

Fresh Water _____ **BALLS**

Daily Checklist

Pre-Job Safety Meeting

Well Control Equipment

Holding Equipment

Key Rig -

Comments / Incidents / Regulatory Contacts

OPERATOR State of New Mexico - NMOCD District 1			DATE See Below
LEASE & WELL NUMBER North Caprock Queen Unit # 7-8			COUNTY & STATE Lea, New Mexico
FIELD North Caprock			FORMATION Queen
TD 3070'	PBD	RKB	PERFS 3042'-3047' & 3048'-3052'
SURFACE 7" @ 312'	INTERMEDIATE	PRODUCTION 4 1/2" @ 3070'	LINER
OPERATOR CHARGE CODE			BENTERRA CHARGE CODE

This well is part of the "Sierra Blanca P&A Project" conducted by Benterra Corporation for the State of New Mexico.

12-17-02

RU Key pump + vac trucks. Circ down 4 1/2" csg + out 7" x 4 1/2" annulus, pumped total of 16 bbls + returns appeared to be clean fresh water - NO mud in returns. Possibility that press test on 12-16-02 created hole in 4 1/2" @ shallow depth. RD Key trucks.

12-18-02

RU Key pump & vac trucks. Add 1 gal paint to 4 1/2" csg + circ down 4 1/2" with returns out 7" x 4 1/2" annulus. Measured volume pumped until paint returned out annulus = 1.5 bbls or circ from approximately 40' below GL. Circ annulus clean + RD trucks.

OPERATOR State of New Mexico			DATE See Below	
LEASE & WELL NUMBER North Caprock Queen Unit # 7-8			COUNTY & STATE Lea, New Mexico	
FIELD North Caprock			FORMATION Queen	
TD 3070'	PBD	RKB	PERFS 3042'-3041' & 3048'-3052'	
SURFACE 7" @ 312'	INTERMEDIATE	PRODUCTION 4 1/2" @ 3070'	CIBP DEPTH	
OPERATOR CHARGE CODE			BENTERRA CHARGE CODE	
This well is part of the "Sierra Blanca P&A Project" conducted by Benterra Corporation for the State of New Mexico.				
12-3-02				
Key WL perforated 4 1/2" csg @ 362' w/ 4 holes @ 0° phasing. Used 1 9/16" OD gun due to obstructions encountered in previous operations. Gun was decent.				
12-4-02				
MIRU Key cementer, transport + vac truck. RU to 4 1/2" csg + attempted to pump into perforations @ 362'. Press to 500 psi + could not establish injection rate. Suspect the gun may not have penetrated 4 1/2" csg. RD equip.				
12-16-02				
MIRU Key pump truck to 7" x 4 1/2" annulus + loaded w/ < 1 bbl. Slowly press to 250 psi + press went to 0 psi. Pumped less than 1 bbl + had circ from 4 1/2" csg. RD Key. Expectation is that perforations @ 362' are now broken down.				

OPERATOR State of New Mexico - NMOCD District 1			DATE See Below
LEASE & WELL NUMBER North Caprock Queen Unit # 7-8			COUNTY & STATE Lea, New Mexico
FIELD North Caprock			FORMATION Queen
TD 3070'	PBD	RKB	PERFS 3042' - 3041' & 3048' - 3052'
SURFACE 7" @ 312'	INTERMEDIATE	PRODUCTION 4 1/2" @ 3070'	LINER
OPERATOR CHARGE CODE			BENTERRA CHARGE CODE

This well is part of the "Sierra Blanca P&A Project" conducted by Benterra Corporation for the State of New Mexico.

11-25-02

New Force CTU resumed operations + W/H w/ 1 1/2" CT to btm @ 2970'. Set CT @ 2950' + RU Key vac truck, pump truck + Cementer. Discussed operations w/ Gary Wink w/ NMOCD + he approved setting bottom + T/salt plugs. Key mixed + pumped 25 sk Class C neat + displaced w/ 6 bbls FW. Bottom plug set 2588' - 2950' (362') as of 11:15 AM 11-25-02. FOH w/ CT + RD equip.

11-26-02

MIRU New Force CTU, W/H w/ 1 1/2" CT + tagged @ 2535' - correct btm plug depths from previous report - plug set 2535' - 2950' (415'). RU Key vac truck, pump truck + Cementer. Key mixed + pumped 60 bbls 10% brine w/ 12.5% salt gal per bbl. FOH w/ CT to 1650'. Mixed + pumped 25 sk Class C neat, displaced w/ 6 bbls. Good circ throughout job. T/salt plug set 1288' - 1650' (362'). FOH w/ CT + RD equip.



CORPORATION

Daily Operations Summary

OPERATOR State of New Mexico			DATE See Below	
LEASE & WELL NUMBER North Caprock Queen Unit # 7-8			COUNTY & STATE Lea, New Mexico	
FIELD Caprock, North			FORMATION Queen	
TD 3070'	PBD 3070'	RKB	PERFS 3042'-3049' & 3048'-3052'	
SURFACE 7" @ 312'	INTERMEDIATE 4 1/2" @ 3070'	PRODUCTION	CIBP DEPTH	
OPERATOR CHARGE CODE			BENTERRA CHARGE CODE	

This well is part of the "Sierra Blanca P&A Project" conducted by Benterra Corporation for the State of New Mexico.

11-8-02

MIRU Key Energy #166. Installed BOP. RU work floor & the equip. WITH w/ 3 7/8" bit & 4 1/2" csg scraper ON 1 1/2" 23/8" tag & tag @ ± 8'. Rotate w/ tongs & circ FW w/ Key pump & vac trucks. Slow progress, Made ± 21' in 1 1/2 hrs. PDA & LD bit & scraper. WITH w/ Open ended tag & tag @ ± 30' where bit had been. SD operations over weekend. ON 11-9-02, discussed well with Gary Wink w/ NMCD & he wanted to suspend operations & evaluate.

11/11/02

RD & RPU.

11-11-02
RD
RPU
11-11-02

11-22-02

MIRU New Force CTU, WITH w/ 1 1/2" CT, slight tag @ 35', want to 100' - no obstructions. Oil being displaced from hole, no vac truck in area. PDA & SD CTU for WE.



CORPORATION

Daily Operations Summary

Page ____ of ____

OPERATOR STATE OF New Mexico			DATE See Below	
LEASE & WELL NUMBER NCRG U # 7-8			COUNTY & STATE LEA, New Mexico	
FIELD North Caprock			FORMATION Queen	
TD 3070'	PBD 3070'	RKB	PERFS	
SURFACE 7" @ 312'	INTERMEDIATE	PRODUCTION 4 1/2" @ 3070'	CIBP DEPTH	
OPERATOR CHARGE CODE			BENTERRA CHARGE CODE	

This well is part of the New Mexico "P&A Pilot Project" conducted by Benterra Corporation to demonstrate the plugging and abandonment process using highly compressed sodium bentonite nodules as the plugging medium.

10/10/02

Key gang installed 4 1/2" collar. Key PT attempted to load w/ centrifugal but press up right away. Used triplex + slowly pressured to 175 psi, press broke + well went on ice. Switch to centrifugal + pumped add'l 16 bbls FW (119 ppm chlorides) + well loaded. Used triplex + press to 350 psi - hold solid. Surge press to tank + repress to 350 psi - still holding solid. RD Key. MIRU Benterra #4. Tag obstruction @ 10' w/ 2" SB, same depth as previously tagged. RD.

11/5/09

MIRU New Force 1 1/2" CTU. WITH w/ CT to 30' - did not hit obstruction @ 10'. RD.