

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
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. 30-025-00257
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.

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.)		7. Lease Name or Unit Agreement Name: North Caprock Queen Unit
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	8. Well No. 5	
2. Name of Operator State of New Mexico Oil Conservation Division	8. Pool name or Wildcat Caprock Queen North	
3. Address of Operator 1625 French Dr., Hobbs, NM 88240		
4. Well Location Unit Letter <u>M</u> : <u>660</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>West</u> line Section <u>8</u> Township <u>13S</u> Range <u>32E</u> NMPM County <u>Lea</u>		
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 @ 2934' - 3038' 24 cu ft ZONITE Tagged

Salt Plug @ 1600' - 1701' 13 1/2 cu ft ZONITE Tagged

Pumped 80 sx Class C cmt down 9 5/8" x 5 1/2" annulus

Surface/Shoe Plug @ 0' - 285' 39 cu ft ZONITE

Plugging operations began 10/7/02 and were completed on 12/27/02. 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
(This space for State use)

Telephone No. (505) 393-6161

APPROVED BY _____ TITLE _____ DATE _____
Conditions of approval, if any:

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

JAN 03 2003

8

P&A

Well Name: North Caprock Queen Unit #8-S
API Number: 30-025- 00257
Coordinates: 660 FSL + 660 FWL
S - T - R: S 8 - T13S - R32E
County / State: Lea, New Mexico
Drilled: 9/47

Operator: OCD
Field:

RKB =

Formation Tops

Salt 1651'

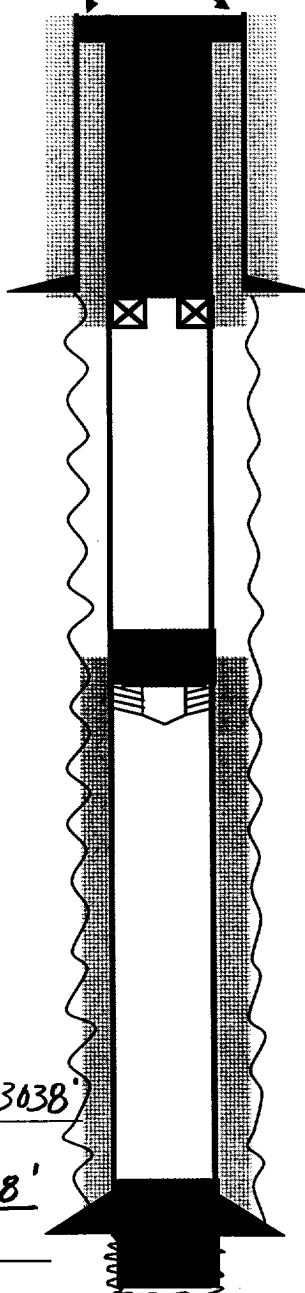
ZONITE/CEMENT PLUGS	
Surface/Shoe (Zonite)	0'-285'
Salt (Zonite)	1600'-1701'
Bottom/Perf (Zonite)	2934'-3038'

Legend	
Cement	
ZONITE	
Gravel	

Bottom Plug (ZONITE) @ 2934'-3038'
24 cu ft ZONITE

OH 3044'-3068'

Pack annulus with ZONITE



Surface Plug @ 0'-185'
25 cu ft ZONITE

Shoe Plug @ 185'-285'
14 cu ft Zonite

CT Packer @ 285' w/ Fish on top.

Casing Size 9 5/8" Wt. 32#
Set @ 287' w/ 150 SX cmf
Cemented to ?

Salt Plug (ZONITE) @ 1600'-1701'
13 1/2 cu ft ZONITE
Wiper Plug @ 1701'

Casing Size 5 1/2" Wt. 15#
Set @ 3044' w/ 600 SX cmf
Cemented to ?

TD 3068'

OPERATOR State of New Mexico - NMOCD District 1			DATE See Below
LEASE & WELL NUMBER North Caprock Queen Unit # 8-5			COUNTY & STATE Lea, New Mexico
FIELD North Caprock			FORMATION Queen
TD 3068'	PBD	RKB	PERFS OH 3044' - 3068'
SURFACE 9 7/8" @ 281'	INTERMEDIATE	PRODUCTION 5 1/2" @ 3044'	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.

12/26/02

RD Key Cementer, pump truck w/ FW + BCW + Vac truck. Key mixed + pumped 80 SX Class C Neat down 9 7/8" x 5 1/2" annulus - did not have communication to 5 1/2" csg. Max press = 200 psi. Shut down press = 0 psi. RD Key equipment, MIRR Benterra # 4. Filled 5 1/2" csg from stuck pipe @ 285' to surface w/ 39 ft³ ZONITE. RD Benterra.

12/27/02

Key welder cut off WH + csgs to 3' below GL. Installed dry hole marker w/ well identifying & backfilled excavation. P&A completed 12-27-02.

OPERATOR State of New Mexico - NMOCD District 1			DATE See Below
LEASE & WELL NUMBER North Caprock Queen Unit # 8-5			COUNTY & STATE Lea, New Mexico
FIELD North Caprock			FORMATION Queen
TD 3068'	PBD	RKB	PERFS OH 3044' - 3068'
SURFACE 9 5/8" @ 281'	INTERMEDIATE	PRODUCTION 5 1/2" @ 3044'	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.

12-6-02

MIRU Benterra #4. Made trip w/ 3 1/2" SB + tagged fish (CT packer) @ 285'. FL near surface. RD.

12-7-02

MIRU Key Cementer + pump truck (w/ FW + brine). RU cementer to 9 5/8" x 5 1/2" annulus + started pumping into annulus w/ FW. Almost immediately had water circ from ground near WH. Will have to dig out WH + make repairs before cementing annulus. FL in 5 1/2" csg still @ ±10' from surface. RD equip.

12/23/02

Key welder dug out WH + made repairs. RU pump truck to 9 5/8" x 5 1/2" annulus + found another leak. RD pump truck + welder made final repairs. SD for holidays. (NOTE: all repairs were to 9 5/8" csg.)



CORPORATION

Daily Operations Summary

OPERATOR State of New Mexico			DATE See Below
LEASE & WELL NUMBER North Caprock Queen Unit #8-5			COUNTY & STATE Lea, New Mexico
FIELD North Caprock			FORMATION Queen
TD 3068'	PBD	RKB	PERFS
SURFACE 9 7/8" @ 281'	INTERMEDIATE	PRODUCTION 5 1/2" @ 3044'	CIBP DEPTH ZONITE btm, salt & port plugs set
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

Benterra #4 made trip w/ 3 1/2" SB & tagged packer @ 281'. FL @ 75'.

12-5-02

Discussed w Gary Wink w/ NMOC and he approved cementing down 9 7/8" x 5 1/2" annulus w/ 80 SX + setting ZONITE top plug. RD

12-5-02

RU Key pump truck to 9 7/8" x 5 1/2" annulus. FL in 5 1/2" csg visible @ $\pm 10'$. Pump down annulus & caught press @ 4 bbls. Pumped in @ 3/4 - 1 1/2 BPM + MP 200 psi w/ total of 25 bbls FW. FL in 5 1/2" csg slowly rose to 1' below GL @ 14 bbls pumped & then stabilized. At 17 bbls, pump in press fell to 0 psi. Annulus on slight vac when pumping ceased. FL in 5 1/2" csg may be dropping very slowly. RD Key.

OPERATOR State of New Mexico			DATE See Below
LEASE & WELL NUMBER North Caprock Queen Unit # 8-5			COUNTY & STATE Lea, New Mexico
FIELD North Caprock			FORMATION Queen
TD 3068'	PBD	RKB	PERFS
SURFACE 9 5/8" @ 281'	INTERMEDIATE	PRODUCTION 5 1/2" @ 3044'	OBSP-DEPTH ZONITE bit, salt + perf plug
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.

11-6-02

MIRU New Force CTU, Key var + pump trucks.
Prepped CT for 5 1/2" PKR. WITH w/ PKR ON 1 1/2" CT
to 200'. Set PKR, RU PUMP TRUCK + PRESS
below PKR - PKR failed. Lowered PKR to
290' + reset, press below PKR to 500 psi,
OK. Attempt to release PKR - stuck. Worked
loose but reset several times while POH to
reset @ 225'. At 225', circ w/ 5 bbl FW
+ attempt to set PKR - failed. Closed
5 1/2" x 1 1/2" annulus + attempted to test
5 1/2" CSG - press to 300 psi but had
immediate bleed off. POH to check
PKR - had left PKR in hole. Suspect
PKR pulled off CT @ 265' where it
finally released + came free. PKR has
likely fallen to bottom @ 370' perf plug.
RD New Force + Key trucks.

OPERATOR <u>STATE OF NEW MEXICO</u>			DATE <u>See Below</u>	
LEASE & WELL NUMBER <u>NCRQU # 8-5</u>			COUNTY & STATE <u>LEA, NM</u>	
FIELD			FORMATION	
TD <u>3068'</u>	PBD	RKB	PERFS <u>OH 3044' - 3068'</u>	
SURFACE <u>7 7/8" @ 281'</u>	INTERMEDIATE	PRODUCTION <u>5 1/2" @ 3044'</u>	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

Poured 8 FC³ of ZONITE, wait + tag @ 2934'. Btm

plug set 2934' - 3038' (104') w/ 24 FC³ ZONITE as of 9:20 AM 10/10/02. Pushed 5 1/2" wiper rubber to 1701'.

Poured 13 1/2 FC³ ZONITE, wait + tag @ 1600'. T/SMT plug set 1600' - 1701' (101') w/ 13 1/2 FC³ ZONITE as of 12:20 PM 10/10/02. RD Benterra.

10/12/02

RU Reg PT to ~~base~~ csg render to part - loaded + pumped in @ 1 1/2 BPM + 250 psi. Will set part plug + then retag; tagging to see if box is below part depth.

10/24/02

Benterra pushed wiper rubber to 400' + copped w/ 30' ZONITE.

10/31/02

Key pump truck loaded hole + pumped in @ 1 1/2 BPM @ 200 psi w/ total of 10 BCU. Same results as prior to setting ZONITE plug 370' - 400'. RD.

OPERATOR State of New Mexico			DATE See Below
LEASE & WELL NUMBER North Caprock Queen Unit <i>8-5</i>			COUNTY & STATE Lea, New Mexico
FIELD North Caprock			FORMATION Queen
TD <i>3068'</i>	PBD	RKB	PERFS <i>OH 3044' - 3068'</i>
SURFACE <i>9 5/8" @ 281'</i>	INTERMEDIATE	PRODUCTION <i>5 1/2" @ 3044'</i>	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.

10/7/02

WH has 2" riser on east side. Key backhoe dug out ground WH. Found west side outlet on 8 7/8" csg to be open - installed 3" BP + back-filled excavation.

10/8/02

Key PT load w/ ± 40 bbls FW. (110 ppm chlorides) Pumped add'l 35 bbls w/ triplex @ 1 1/2 BPM + < 100 psi.

ISIP = slight vac. RD Key.

10/9/02

MIRO Benterra #4. Made trip w/ 2" SB + tag blan @ 3038'. Made trip w/ FST to 3000' + recovered water sample - chlorides tested @ 556 PPM. Paved 13 Fe³ ZONITE, wait + tag @ 3017' = 21' fill up (should have been $\pm 100'$). Paved 3 Fe³ ZONITE + SDON.

OPERATOR State of New Mexico - NMOCD District 1			DATE See Below
LEASE & WELL NUMBER North Caprock Queen Unit # 8-5			COUNTY & STATE Lea, New Mexico
FIELD North Caprock			FORMATION Queen
TD 3068'	PBD	RKB	PERFS OH 3044' - 3068'
SURFACE 9 5/8" @ 2287'	INTERMEDIATE	PRODUCTION 5 1/2" @ 3044'	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.

7/16/02

MIRU Benterra # 4. Slowly removed WH cap -

NO PRESS. Made trip w/ FST (Fluid sampling tool)

w/ 3 1/2" gauge ring & tagged btm @ 3032'.

Tested chlorides of wellbore fluids - off high

scale of field test kit. FL estimated to

be @ $\pm$ 2300'.

