

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
May 27, 2004

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

WELL API NO. 30-015-30591
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name PAWNEE STATE
8. Well Number 001
9. OGRID Number 299137
10. Pool name or Wildcat Loco Hills; Glorieta Yeso

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

COG Operating LLC

3. Address of Operator

550 W. Texas Ave., Suite 100 Midland, TX 79701

Well Location

Unit Letter **G** : **2185** feet from the **North** line and **1600** feet from the **East** line
Section **16** Township **17S** Range **30E** NMPM County **Eddy**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3676 GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. 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 COMPL ☐

OTHER: Deepening ☒

SUBSEQUENT REPORT OF:

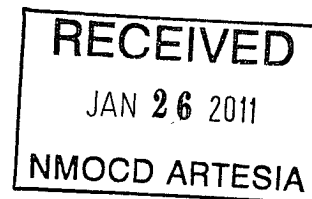
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. 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 recompletion.

COG Operating LLC respectfully requests to Deepen this wells as follows:

See Attachment.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE K TITLE Regulatory Analyst DATE 1/25/11

Type or print name Kanicia Castillo E-mail address: kcastillo@conchoresources.com Telephone No. 432-685-4332
For State Use Only

APPROVED BY: ADade TITLE DIST II Supervisor DATE 01/31/2011

Conditions of Approval (if any):

KZ

Q

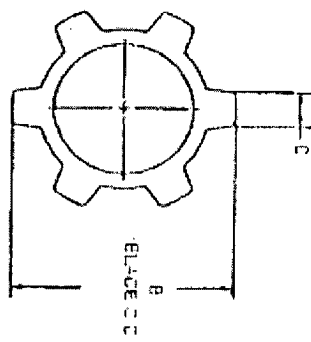
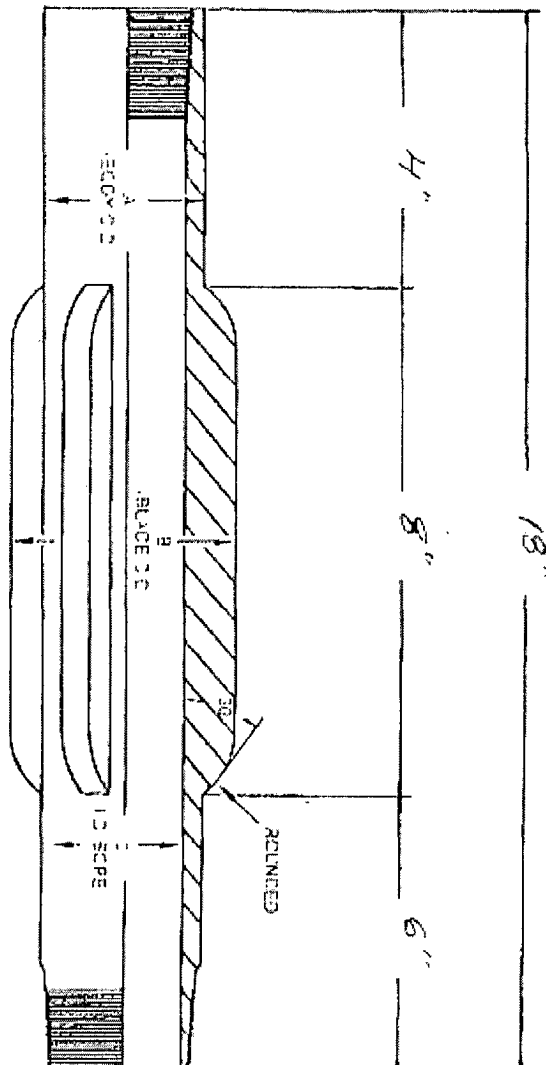
Deepening Procedure

1. MIRU rig.
2. Sqz upper Yeso w/ +/- 300 sx of Class C neat. Drill out squeeze.
3. PU 4-3/4" bit and drill 4-3/4" hole from 4860' to 6200'.
4. POOH w/ bit and drillstring.
5. RIH w/ logs and log from TD to 4600'.
6. RIH w/ 4", 11.3# casing. See section 11 for general centralizer program.
7. Cement casing from TD to 4745' w/ 120 sxs Class C cmt. Drop plug and open DV tool. Circ cmt off DV tool. Drop plug to close DV tool.
8. PU workstring and RIH and drill out DV tool. POOH and LD workstring.
9. RDMO rig.

Completion Procedure

1. MIRU rig.
2. RIH/ w/ perforating guns and perforate Yeso from 5900 – 6100 w/ 2 spf, 30 holes.
3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 5850'.
4. RIH w/ perforating guns and perforate Yeso from 5600' – 5800'.
5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 5550'.
6. RIH w/ perforating guns and perforate Yeso from 5300' – 5500'.
7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand.
8. RIH and drill out plug at 5550' and 5850'.
9. RIH and cut or back off 4" casing at 4745'. POOH w/ 4" casing. Leave 4" liner from 4745' to 6200' (TD).
10. RIH w/ tbg and locate end of tbg at 4695'.
11. RIH w/ rods and pump.
12. RDMO rig.

Centralizer Diagram



$$\frac{1.80}{1.10} = 1.64$$

SIZE	A	B	C	D	E	F	G	DRIFT
4" x 3/4" 11.6"	4.050	4.750	3.347"	3/4"				3.303"

788 788 788

RAY OIL TOOL CO.	
STANDARD 2	
CENTRALIZED INTERCASING	
CLIENT	Concho Res
WELL NAME & NO.	
CASING	4" P115 11.6"
MATERIAL	4340 x 3/4 x 18" 2.05"