

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. 30-015-31014	
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
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 Harper State
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Number 2
2. Name of Operator COG Operating LLC		9. OGRID Number 229137
3. Address of Operator 550 W. Texas Ave., Suite 100 Midland, TX 79701		10. Pool name or Wildcat 96718 Loco Hills; Glorieta-Yeso
Well Location Unit Letter P : 990 feet from the South line and 990 feet from the East line Section 16 Township 17S Range 30E NMPM County Eddy		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3672 GR		
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		
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 ☐

SUBSEQUENT REPORT OF:

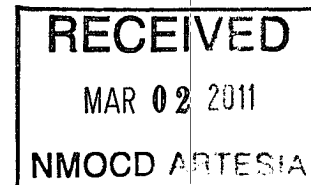
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Deepen ☒ ☐

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 well 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 KC TITLE Lead Regulatory Analyst DATE 03/01/11

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

APPROVED BY: [Signature] TITLE [Signature] DATE 3/9/2011  
Conditions of Approval (if any):

## Harper State #2

### Deepening Procedure

1. MIRU rig.
2. PU 4-3/4" bit and drill 4-3/4" from 4880' to 6300'.
3. POOH w/ bit and drillstring.
4. RIH w/ logs and log from TD to 4700'.
5. RIH w/ 4", 11.3# casing.
6. Cement casing from TD to 4800' w/ 115 sxs Class C cmt.
7. RDMO rig.

### Completion Procedure

1. MIRU rig.
2. RIH/ w/ perforating guns and perforate Yeso from 6000 – 6200 w/ 2 spf, 30 holes.
3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5950'.
4. RIH w/ perforating guns and perforate Yeso from 5700' – 5900'.
5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5650'.
6. RIH w/ perforating guns and perforate Yeso from 5400' – 5600'.
7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand.
8. RIH and drill out plug at 5650' and 5950'.
9. RIH and cut 4" casing at 4800'. POOH w/ 4" casing. Leave 4" liner from 4800' to 6300' (TD).
10. RIH w/ tbg and locate end of tbg at 4750'.
11. RIH w/ rods and pump.
12. RDMO rig.