

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
June 19, 2008

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

WELL API NO. 30-015-31349
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Harper State
8. Well Number 4Y
9. OGRID Number 229137
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

4. Well Location

Unit Letter I : 2170 feet from the South line and 990 feet from the East line
Section 16 Township 17S Range 30E NMPM Eddy County

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

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 ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

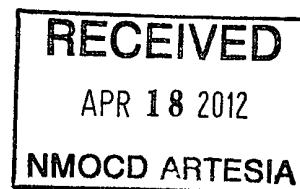
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Deepen ☒

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.

Please see attached Deepening Procedure



Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE K. Castillo TITLE Lead Regulatory Analyst DATE 04/17/2012

Type or print name Kanicia Castillo E-mail address: kcastillo@concho.com PHONE: 432-685-4332

For State Use Only

APPROVED BY: J.C. Shepard TITLE Geologist DATE 4/19/2012

Conditions of Approval (if any):

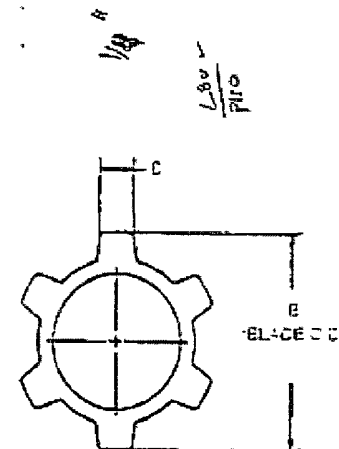
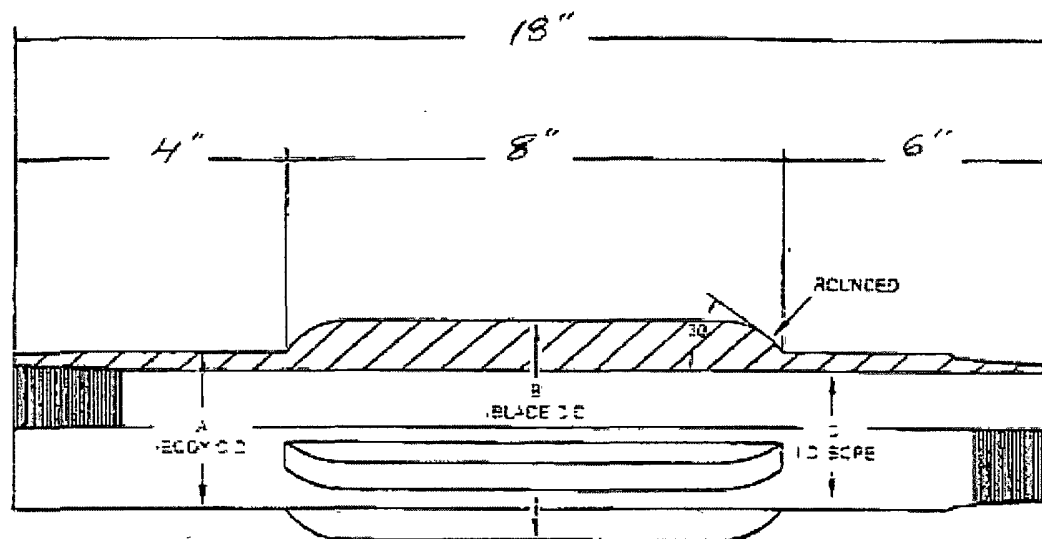
Harper State #4Y

Deepening Procedure

1. MIRU rig.
2. Sqz upper Yeso w/ +/-400sx of Class C neat. Drill out squeeze. Test squeeze to 500 psi for 20 minutes using chart recorder.
3. PU 4-3/4" bit and drill 4-3/4" from 4950' to 6000'.
4. POOH w/ bit and drillstring.
5. RIH w/ logs and log from TD to 4900'.
6. RIH w/ 4", 11.3# casing. See next attachment for general centralizer program.
7. Cement casing from TD to 4900' w/ 115 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 5800 – 5600 w/ 1 spf, 28 holes.
3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 5550'.
4. RIH w/ perforating guns and perforate Yeso from 5500' – 5300'.
5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 5350'.
6. RIH w/ perforating guns and perforate Yeso from 5200' – 5000'.
7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand.
8. RIH and drill out plug at 5350' and 5550'.
9. RIH and cut or back off 4" casing at 4900'. POOH w/ 4" casing. Leave 4" liner from 4900' to 6000' (TD).
10. RIH w/ tbg and locate end of tbg at 4900'.
11. RIH w/ rods and pump.
12. RDMO rig.



± 0.00
 ± 0.00
 ± 0.00

SIZE	A	B	C	D	E	F	G	DRIFT
4" x 4 3/4 116"	4.050	4.750	3.347	2 1/4"				3303"

 RAY OIL TOOL CO.	
CENTRALIZED INTERCASING	
CLIENT	CONCHO RES
WELL NAME & NO	
CASING	4" F145 116"
MATERIAL	4 3/4 x 3 1/4 x 18" Q125
FINISHING UNIT	12