

Submit 1 Copy 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  
October 13, 2009

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

WELL API NO.	30-015-42464
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Graham Nash State Com
8. Well Number	6H
9. OGRID Number	229137
10. Pool name or Wildcat	Hay Hollow; Bone Spring

**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  
2208 W. Main Street, Artesia, NM 88210

4. Well Location  
Unit Letter G : 560 feet from the South line and 2200 feet from the East line  
Section 33 Township 26S Range 28E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3025.9'

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

OTHER:

**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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests approval for the following changes to the original approved APD.

Drilling program attached.

NM OIL CONSERVATION  
ARTESIA DISTRICT

SEP 11 2014

RECEIVED

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 Maria Reyes TITLE: Regulatory Analyst DATE: 9/10/14

Type or print name: Maria Reyes E-mail address: mreyes1@conchoresources.com PHONE: (575) 748-6945

For State Use Only  
APPROVED BY: T. Sheppard TITLE: "Geologist" DATE: 9-11-2014

Conditions of Approval (if any):

**Graham Nash State Com 6H**  
**30-015-42464**  
 Rev 09-10-2014

**Casing and Cement**

<u>String</u>	<u>Hole Size</u>	<u>Csg OD</u>	<u>PPF</u>	<u>Depth</u>	<u>Sx Cement</u>	<u>TOC</u>
Surface	17-1/2"	13-3/8"	48#	350'	350	0'
Intermediate	12-1/4"	9-5/8"	36#	2400'	700	0'
Pilot Hole Plug 1	8-3/4"	-	-	9319'	150	9019'
Pilot Hole Plug 2	8-3/4"	-	-	8050'	400	7250'
Production	8-3/4"	5-1/2"	17#	14366'	2760	2100'

**Well Plan**

Drill 17-1/2" hole to ~350' w/ fresh water spud mud. Run 13-3/8" 48# H40 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl<sub>2</sub> to cement to surface, if necessary.

Drill 12-1/4" hole to ~2400' with saturated brine water. Run 9-5/8" 36# J55 LTC casing to TD and cement to surface in one stage.

Drill 8-3/4" pilot hole to 10600', log and plug back with 150 sx cement plug f/ 9019' – 9319' and 400 sx cement plug f/ 7250' – 8050'.

Drill 8-3/4" curve and lateral to 14366' with cut brine. Run 5-1/2" 17# P110 Tenaris TXP BTC casing to TD and cement in one stage bringing TOC to 2100' (300' overlap).

**Well Control**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron