

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised August 1, 2011

**RECEIVED**  
 OIL CONSERVATION DIVISION  
 JAN 06 2014  
 South St. Francis Dr.  
 Santa Fe, NM 87505  
**NM OCD ARTESIA**

WELL API NO. 30-025-40795-30-025-40795  
 5. Indicate Type of Lease  
 STATE  FEE   
 6. State Oil & Gas Lease No. LPD  
 7. Lease Name or Unit Agreement Name  
 LIGHTNING P-38 STATE  
 8. Well Number  
 6H  
 9. OGRID Number  
 229137  
 10. Pool name or Wildcat  
 BERRY; BONE SPRING, NORTH

**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  **HOBBS OCD**  
 2. Name of Operator  
 COG OPERATING, LLC  
 3. Address of Operator  
 2208 WEST MAIN STREET  
 ARTESIA, NM 88210  
 4. Well Location  
 Unit Letter P: 3174 feet from the SOUTH line and 543 feet from the EAST line  
 Section 1 Township 21S Range 33E NMPM EDDY County CO  
 11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 3751' 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:

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 TO CHANGE THE DRILLING PLAN, AS FOLLOWS IN RED:**

Casing and Cement

String	Hole Size	Csg OD	PPF	Depth	Sx Cement	TOC
Surface	17-1/2"	13-3/8"	54.5#	1810'	1175	0'
Intermediate	12-1/4"	9-5/8"	36#/40#	5570'	2190	0'
Production	7-7/8"	5-1/2"	17#	15753'	2225	0'

Well Plan

Drill 17-1/2" hole to ~1810' w/ fresh water spud mud. Run 13-3/8" 54.5# J55 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 ~5570' with saturated brine water. If losses occur in the Reef, will switch to fresh water to interval TD. Run 9-5/8" 36# J55 & 40# L80 BTC casing to TD with a DV tool placed ~100' above the Reef. Plan to circulate cement on both stages. Drill 7-7/8" vertical hole, curve, and lateral to 15753' with cut brine. Run 5-1/2" 17# P110 LTC casing to TD and circulate cement to surface in one stage.

Well Control

After setting 13-3/8" casing and installing 3000 psi casing head, NU Hydril 3000 psi annular BOP. Test annular and casing to 1000 psi and other BOP equipment to 2000 with clear fluid using 3<sup>rd</sup> party testers. After setting 9-5/8" casing and installing 5000 psi casing spool, NU Shaeffer 3000 psi double ram BOP and Hydril 3000 psi annular BOP. Test annular to 1500 psi and other BOP equipment to 3000 with clear fluid using 3<sup>rd</sup> party testers.

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

SIGNATURE Debra L. Wilbourn TITLE Drilling Engineering Tech DATE 10/10/13

Type or print name Debra L. Wilbourn E-mail address: dwilbourn@concho.com PHONE: 575-748-6958

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE JAN 23 2014

Conditions of Approval (if any):

\* Correction to Approval submitted done by LRade Jan 8, 2014

JAN 23 2014