

**District I**  
1425 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-4101 Fax:(505) 393-4720  
**District II**  
811 S. First St., Artesia, NM 86210  
Phone:(505) 748-1283 Fax:(505) 748-9720  
**District III**  
1000 Rio Breros Rd., Aztec, NM 87410  
Phone:(505) 334-4174 Fax:(505) 334-4170  
**District IV**  
1216 S. St. Francis Dr., Santa Fe, NM 87505  
Phone:(505) 472-3470 Fax:(505) 472-3443

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-151  
August 1, 2011  
Permit: 152870

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEEN, PLUGBACK, OR ADD A ZONE**

|                                                                                                    |                                           |                                                                              |
|----------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------|
| <b>1. Operator Name and Address</b><br>COG OPERATING LLC<br>One Concho Center<br>Midland, TX 79701 |                                           | <b>2. OGFID Number</b><br>229137<br><br><b>3. API Number</b><br>30-015-41142 |
| <b>4. Property Code</b><br>308169                                                                  | <b>5. Property Name</b><br>SRO STATE UNIT | <b>6. Well No.</b><br>044H                                                   |

**7. Surface Location**

| UL - Loc | Section | Township | Range | Let Loc | Feet From | N S Line | Feet From | E W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| C        | 17      | 26S      | 28E   | C       | 190       | N        | 2220      | W        | EDDY   |

**8. Proposed Bottom Hole Location**

| UL - Loc | Section | Township | Range | Let Loc | Feet From | N S Line | Feet From | E W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| N        | 20      | 26S      | 28E   | N       | 330       | S        | 2220      | W        | Eddy   |

**9. Pool Information**

|                        |       |
|------------------------|-------|
| HAY HOLLOW BONE SPRING | 30213 |
|------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Well Type<br>New Well | 12. Well Type<br>OIL        | 13. Cable Entry                        | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3058 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>17804 | 18. Formation<br>Bone Spring           | 19. Cementation         | 20. Spud Date<br>3/1/2013          |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5      | 13.375      | 48               | 350           | 350             |               |
| Int1 | 12.25     | 9.625       | 36               | 2350          | 650             |               |
| Pred | 7.875     | 5.5         | 17               | 17804         | 2200            | 2100          |

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 350' with Fresh Water. Run 13-3/8", 48#, J-55 csg and cement to surface. Drill 12-1/4" hole to 2500' with Brine, and run 9-5/8", 36#, J55 and cement to surface. Drill 7-7/8" vertical, curve and lateral with cut trine to approx 17,804' M.D. Run 5-1/2", 17#, P-110 csg and cement to 2100' in 1 stage.

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 3000             | 3000          | Cameron      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.<br>Signature: _____<br>Printed Name: Electronically filed by Diane Kuykendall<br>Title: Production Reporting Mgr<br>Email Address: dkuykendall@conchoresources.com<br>Date: 2/21/2013 Phone: 432-683-7443 | <b>OIL CONSERVATION DIVISION</b><br>Approved By: Randy Dade<br>Title: District Supervisor<br>Approved Date: 2/26/2013 Expiration Date: 2/26/2015<br>Conditions of Approval Attached |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NMOCD CASE Nos. 15441, 15481, 15482  
NEX, SRO2 LLC AND SRO3 LLC  
Exhibit No. 5  
May 4, 2016

**C 024586**