

District I

1625 N French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, 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-101

May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505APR 10 2008
Submit to appropriate District Office
OCD-ARTESIA
AMENDED REPORT

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

| | | |
|---|----------------------------------|------------------------------|
| Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701 | | OGRID Number 299137 |
| | | API Number 30 - 015-35726 |
| Property Code 36623 | Property Name Dasher 16 State | Well No. 1 |
| Proposed Pool Henshaw; Queen-Grayburg-SA | | Proposed Pool 2 |

7 Surface Location

| UL or lot no | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P | 16 | 16S | 30E | | 330 | South | 330 | East | Eddy |

8 Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

Additional Well Information

| | | | | |
|--|-------------------------|--|----------------------|--|
| Work Type Code RC | Well Type Code O | Cable/Rotary Rotary | Lease Type Code S | Ground Level Elevation 3793 GL |
| Multiple N | Proposed Depth 7,950 | Formation San Andres | Contractor | Spud Date 09/14/07 |
| Depth to Groundwater 100 | | Distance from nearest fresh water well > 1000 | | Distance from nearest surface water 250 |
| Pit: Liner: Synthetic <input type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 35000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> | | | | |

21 Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17 1/2 | 13 3/8 | 48# | 608 | 930 | Surface |
| 12 1/4 | 8 5/8 | 40# | 3128 | 1100 | Surface |
| 8 3/4 | 7 | 26# | 7950 | 700 | Surface |
| | | 2-7/8 | 3568 | | |

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

COG Operating, LLC proposes to recompleate to the Henshaw; Queen-Grayburg-SA as follows:

- Set RBP @ 4360. Perforate San Andres w/ 2 jspf from 3548 - 3560 (24 holes), 3524 - 3532 (16 holes), 3350 - 3398 (96 holes).
- TIH w/ 7" packer testing tubing to 7000 psi. Set packer @ 3289 and test RBP to 3000 psi.
- Spot 2500 gals 15% acid across perms. Unset packer.
- Frac w/ 96,154 gals gel, 139,200# 16/30 sand.
- RIH w/ 29jts 2-7/8 tbg, SN @ 3568. RIH w/ 2-1/2"x2"x20" RHTC pump. Hang on well.

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

OIL CONSERVATION DIVISION

Printed name: Kamcia Carrillo
Title: Regulatory Analyst
E-mail Address: kcarrillo@conchoresources.com
Date: 04/02/08

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐