

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

RECEIVED

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

APR 21 2008

OCD-ARTESIA

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address COG OPERATING LLC 550 W Texas, Suite 1300 Midland, TX 79701		² OGRID Number 299137
		³ API Number 30 - 015-35726
⁴ Property Code 36623	⁵ Property Name Dasher 16 State	
⁹ Proposed Pool Henshaw, Queen-Grayburg-SA		¹⁰ Proposed Pool 2

⁷ Surface Location

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

¹¹ Work Type Code RC	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3793 GL
¹⁶ Multiple N	¹⁷ Proposed Depth 7,950	¹⁸ Formation San Andres	¹⁹ Contractor	²⁰ 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 recomple to the Henshaw; Queen-Grayburg-SA as follows:

- Set RBP @ 4360. Perforate San Andres w/ 2 jsfp 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 ☐.

Printed name Kamcia Carrillo

Title Regulatory Analyst

E-mail Address kcarrillo@conchoresources.com

Date 04/02/08

Phone 432-685-4334

OIL CONSERVATION DIVISION

Approved

Title

Approval Date 4/23/08

Expiration Date 4/23/10

Conditions of Approval Attached ☐