

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 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APR 23 2008
OCD-ARTESIA

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 30-015-28591
⁵ Property Code 302497	⁴ Property Name GJ West Coop Unit	⁶ Well No 135
⁹ Proposed Pool 1 Grayburg Jackson; 7RVS-QN-GB-Glorieta-Yeso		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no B	Section 22	Township 17S	Range 29E	Lot Idn	Feet from the 990	North/South line North	Feet from the 2310	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 D	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3559
¹⁶ Multiple N	¹⁷ Proposed Depth 5800	¹⁸ Formation Yeso	¹⁹ Contractor	²⁰ Spud Date As soon as approved
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
²¹ Pit: Liner. Synthetic <input type="checkbox"/> _____ mls thick Clay <input type="checkbox"/> Pit Volume. _____ bbls Drilling Method: _____				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" 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	54	138	250	
12-1/4	8-5/8	24	826	425	
7-7/8	5-1/2	15.5	4534	940	
4-3/4	4	11.3	5800	115	
	2-7/8 tbg		4350		

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.

1. MIRU rig.
2. PU 4-3/4" bit and drill 4-3/4" from 4534' to 5800'.
3. POOH w/ bit and drillstring.
4. RIH w/ logs and log from TD to 4500'.
5. RIH w/ 4", 11.3# casing.
6. Cement casing from TD to 4400' w/ 115 sxs Class C cmt.
7. RDMO rig.

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	
Approved by <i>Jim W. Green</i>	
<i>District II Supervisor</i>	
Approval Date: 4/30/08	Expiration Date: 4/30/10

Printed name	Kancia Carrillo
Title	Regulatory Analyst
E-mail Address	kcarrillo@conchoresources.com

Date: 04/22/08	Phone: 432-685-4332	Conditions of Approval Attached <input type="checkbox"/>
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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-28591	² Pool Code 97558	³ Pool Name Grayburg Jackson; 7RVS-QN-GB-Glorieta-Yeso
⁴ Property Code 302497	⁵ Property Name GJ West Coop Unit	
⁷ OGRID No. 229137	⁸ Operator Name COG OPERATING LLC	
		⁶ Well Number 135
		⁹ Elevation 3559

¹⁰ Surface Location

UL or lot no. B	Section 22	Township 17S	Range 29E	Lot Idn	Feet from the 990	North/South line North	Feet from the 2310	East/West line East	County Eddy
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¹¹ 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
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Kanicia Carrillo Printed Name Regulatory Analyst Title and E-mail Address 04/22/08 Date
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</i> Referred Original Plat Date of Survey Signature and Seal of Professional Surveyor
	Certificate Number