

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

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		APR 14 2008 OCD-ARTESIA	² OGRID Number 299137
³ Property Code 302586		⁴ Property Name Wichita State	⁵ API Number 30 - 15-30638
⁹ Proposed Pool 1 Loco Hills; Glorieta-Yeso 96718		¹⁰ 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
L	16	17S	30E		2310	South	990	West	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

¹¹ Work Type Code D	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3673
¹⁶ Multiple No	¹⁷ Proposed Depth 6000	¹⁸ Formation Yeso	¹⁹ Contractor	²⁰ Spud Date As soon as approved
Depth to Groundwater 150		Distance from nearest fresh water well		Distance from nearest surface water
²¹ Proposed Casing and Cement Program				

Pit. Liner Synthetic ☒ 12 mils thick Clay ☐ Pit Volume 5000 bbls Drilling Method _____
Closed-Loop System ☐ Fresh Water ☐ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐

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	359	325	
12 1/4	8 5/8	24	1106	550	
7 7/8	5 1/2	15.5	4794	935	
4 3/4	4	11.3	6000	115	
	2 7/8		4650		

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 proposes to deepen this Yeso well in the Yeso formation:

1. MIRU rig.
2. PU 4-3/4" bit and drill 4-3/4" from 4794' to 6000'.
3. POOH w/ bit and drillstring.
4. RIH w/ logs and log from TD to 6000'.
5. RIH w/ 4", 11.3# casing.
6. Cement casing from TD to 4700' 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 ☐.

Printed name Kancia Carrillo	Title Regulatory Analyst	Oil Conservation Division Approved by: District II Supervisor	
E-mail Address kcarrillo@conchoresources.com	Approval Date 4/23/08	Expiration Date 4/23/10	
Date 04/11/08	Phone 432-685-4332	Conditions of Approval Attached <input type="checkbox"/>	

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 30-015-30638		² Pool Code 96718		³ Pool Name Loco Hills; Glorieta-Yeso	
⁴ Property Code 302586		⁵ Property Name Wichita State			⁶ Well Number 1
⁷ OGRID No. 229137		⁸ Operator Name COG OPERATING LLC			⁹ Elevation 3673

¹⁰ Surface Location

UL or lot no. L	Section 16	Township 17S	Range 30E	Lot Idn	Feet from the 2310	North/South line South	Feet from the 990	East/West line West	County Eddy
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	-----------------------

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			
	Printed Name Kanicia Carrillo			
Regulatory Analyst				
Title and E-mail Address				
Date 04/11/08				
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>			
	Date of Survey			
	Signature and Seal of Professional Surveyor			
	Referred Original Survey			
Certificate Number				