

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		² OGRID Number 299137
		³ API Number 30 - 25-34973
⁵ Property Code 25102	⁴ Property Name MC Federal	⁶ Well No 5
⁹ Proposed Pool 1 Maljamar Yeso 97608		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no N	Section 21	Township 17S	Range 32E	Lot Idn	Feet from the 990	North/South line South	Feet from the 1650	East/West line West	County Lea
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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 R	¹⁴ Lease Type Code Federal	¹⁵ Ground Level Elevation 4019
¹⁶ Multiple No	¹⁷ Proposed Depth 7100	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
Pit: Liner. Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume 5000 bbls Drilling Method				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

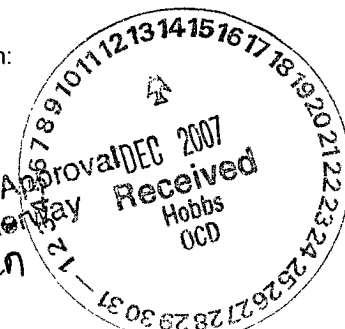
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48	773	650	
12 1/4	9 5/8	36	2208	600	
8 3/4	7	23	6004	950	
6 1/8	4 1/2	11.6	7100	150	6010
	2 7/8 & 2 3/8		7000		

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:

- MIRU rig. PU 4-3/4" bit & drill 4-3/4" hole w/ 2% KCl from 6010' - 7100'.
- RIH w/ logs & log from TD to 5900'.
- Run 4 1/2" 11.6# casing set @ 7100'. Cement csg w/ 115 sx C from TD to 5950'.
- Perf Yeso intervals as dictated by log shows. Frac w/ gelled water and sand..
- Cut off 4 1/2" casing @ 5950' and POOH
- RIH w/ tbg. EOT @ 7000'. RIH w/ rods & pump.
- Restore well to production producing from all zones.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Deepen



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 NMOC guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Kanicia Carrillo		Approved by: <i>Chris Williams</i>	
Title: Regulatory Analyst		Title: DISTRICT SUPERVISOR/GENERAL MANAGER	
E-mail Address: k carrillo@conchoresources.com		Approval Date: JAN 03 2008 Expiration Date:	
Date 12/12/07	Phone 432-685-4332	Conditions of Approval Attached <input type="checkbox"/>	

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34973	Pool Code 97608	Pool Name Maljamar Yeso
Property Code 25102 302519	Property Name MC FEDERAL	Well Number 5
OGRID No. 299137	Operator Name COG Operating LLC	Elevation 4019

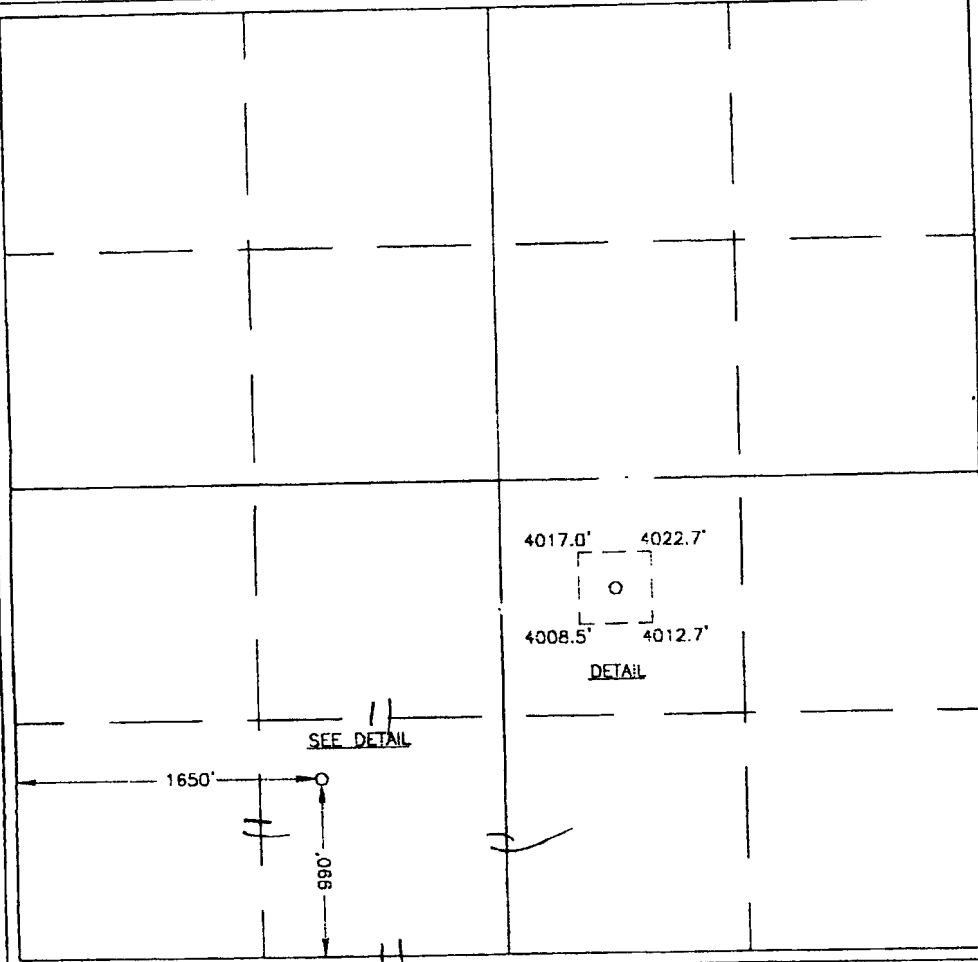
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	21	17 S	32 E		990	SOUTH	1650	WEST	LEA

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
Dedicated Acres 40	Joint or Infill	Consolidation Code	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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Crissa D. Carter</i> Signature</p> <p>Crissa D. Carter Printed Name</p> <p>Production Analyst Title</p> <p>2/7/2000 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>DECEMBER 30, 1999</p> <p>Date Surveyed DC</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Ronald J. Edson</i> 2/02/2000</p> <p>89-11-1155</p> <p>Certificate No. RONALD J. EDSON 3239 CARY KIDSON 12641 MACON McDONALD 12185</p>