

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

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

1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND , TX 79701		2. OGRID Number 229137
		3. API Number 30-025-37714
4. Property Code 34284	5. Property Name RED RAIDER STATE	6. Well No. 005

**7. Surface Location**

UL - Lot O	Section 19	Township 20S	Range 36E	Lot Idn O	Feet From 330	N/S Line S	Feet From 2100	E/W Line E	County LEA
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	---------------

**8. Pool Information**

EUMONT;YATES-7 RVRS-QUEEN (OIL)	22800
---------------------------------	-------

**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3646
14. Multiple N	15. Proposed Depth 4600	16. Formation Seven Rivers	17. Contractor	18. Spud Date 2/28/2006
Depth to Ground water 81		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____mils thick Clay <input type="checkbox"/> Pit Volume: 25000 _____bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	350	400	0
Prod	7.875	5.5	15.5	4600	300	3500

**Casing/Cement Program: Additional Comments**

Drill 12-1/4" w/ fr wtr mud system to 350'. Run & set 8-5/8" 24# STC J55 csg @ 350'. Cmt w/400 sx C1C cmt + add. Circ to surf.  
Drill 7-7/8" w/ fr/brine water to 4600'. Run & set 5-1/2" 15.5# LTC J55 csg @ 4600'. Cmt w/300 sx C1C + add. Est TOC @ 3500'.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	1350	

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 <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Printed Name: Electronically filed by Diane Kuykendall Title: Regulatory Analyst Email Address: dkuykendall@conchoresources.com Date: 2/16/2006   Phone: 432-685-4372	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 2/17/2006	Expiration Date: 2/17/2007
	Conditions of Approval Attached	

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(505) 393-6161 Fax:(505) 393-0720

**District II**  
 1301 W. Grand Ave., Artesia, NM 88210  
 Phone:(505) 748-1283 Fax:(505) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 23492

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-37714	2. Pool Code 22800	3. Pool Name EUMONT;YATES-7 RVRS-QUEEN (OIL)
4. Property Code 34284	5. Property Name RED RAIDER STATE	6. Well No. 005
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3646

**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	19	20S	36E		330	S	2100	E	LEA

**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	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**

	<b>OPERATOR CERTIFICATION</b>  <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  E-Signed By: Diane Kuykendall Title: Regulatory Analyst Date: 2/16/2006	
	<b>SURVEYOR CERTIFICATION</b>  <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>  Surveyed By: Gary Jones Date of Survey: 2/2/2006 Certificate Number: 7977	


# Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137

Well: RED RAIDER STATE #005

API: 30-025-37714

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
pkautz	prior to any pit construction notify Gary Wink at 505-393-6161 ext 114

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

## Mull, Donna, EMNRD

**From:** Phillips, Dorothy, EMNRD

**Sent:** Fri 2/17/2006 8:22 AM

**To:** Mull, Donna, EMNRD

**Cc:**

**Subject:** RE: Financial Assurance Requirement

**Attachments:**

They are okay

---

**From:** Mull, Donna, EMNRD

**Sent:** Friday, February 17, 2006 6:32 AM

**To:** Phillips, Dorothy, EMNRD

**Subject:** Financial Assurance Requirement

Operator's has APD's in District I for approval:

Apache Corp (873)

COG Operating LLC (229137)

Marbob Energy Corp (14049)