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

## State of New Mexico

Form C-101 Permit 77735

## 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

in the control of the dament to be the best the control of the bit both						
1. Operator Name and Address	2. OGRID Number					
COG OPERATING LLC						
	3. API Number					
MIDDIND, 12 7701	30-015-36482					
5. Property Name	6. Well No.					
KOOL AID STATE	005					
	I. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND, TX 79701  5. Property Name					

### 7. Surface Location

UI	L - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	A	24	17S	28E	Α	990	N	990	E	EDDY

### 8. Pool Information

EMPIRE; GLORIETA-YESO 96210

### Additional Well Information

	563						THE STATE OF THE S
9. Work Type New Well	20023	10. Well Type OIL		11. Cable/Rotary	r	12. Lease Type State	13. Ground Level Elevation 3716
14. Mühtiple N	15. Prop	osed Depth		16. Formatio Yeso Format		17. Contractor	18. Spud Date 8/15/2008
Depth to Ground 110	water		Di	istance from neares	t fresh water wel	n l	Distance to nearest surface water
it: Liner: Synthetic Closed Loop System	_ X	mils thick	Clay	Pit Volume:		rilling Method: resh Water Brine	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

Туре	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	11	8.625	32	250	300	0
Prod	7.875	5.5	17	5400	1200	0

## Casing/Cement Program: Additional Comments

COG proposes to drill an 11" hole to 250' w/fresh water mud system, vis 8.5, vis 28. Set 8-5/8" casing & cement to surface. Drill 7-7/8" hole to 5400' w/brine mud system, wt 8.7, vis 29-32. Test Yeso formation. Run 5-1/2" casing & cememt to surface. Note: On production string, a caliper will be run, COG will attempt to circulate cement.

Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

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	OIL CONSERVATION DIVISION				
NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .	Approved By: Tim Gum				
Printed Name: Electronically filed by Diane Kuykendall	Title: District Supervisor				
Title: Regulatory Analyst	Approved Date: 8/10/2008	Expiration Date: 8/10/2010			
Email Address: dkuykendall@conchoresources.com					
Date: 7/29/2008 Phone: 432-683-7443					

District I

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

<u>District II</u>

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

<u>District III</u> 1000 Rio Brazos Rd., Azzec, NIM 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

Form C-102 Permit 77735

## Energy, Minerals and Natural Resources

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

### WELL LOCATION AND ACREAGE DEDICATION PLAT

VV	ELL LOCATION AND ACK	CEAGE DEDICATION FL.	AI
1. API Number	2. Pool Code	3. Poo	l Name
30-015-36482	96210	EMPIRE; GLO	DRIETA-YESO
4. Property Code	5. Property	y Name	6. Well No.
37287	KOOL AID	STATE	005
7. OGRID No.	8. Operato	r Name	9. Elevation
229137	COG OPERA	TING LLC	3716

#### 10. Surface Location

										_
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	7
A	24	17S	28E		990	N	990	E	EDDY	1

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

UL - Lot	Section	Т	ownship	Range	Lot	Idn	Feet From	N/S L	ine	Feet From	E/W Line	County
000000000000000000000000000000000000000	ated Acres		13. 1	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

		0

### OPERATOR CERTIFICATION

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.

E-Signed By: Diane Kuykendall Title: Regulatory Analyst

Date: 7/29/2008

## SURVEYOR CERTIFICATION

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.

Surveyed By: Ronald Eidson Date of Survey: 7/14/2008 Certificate Number: 3239

# Permit Comments

Operator: COG OPERATING LLC , 229137 Well: KOOL AID STATE #005

API: 30-015-36482

Created By	Comment	Comment Date
IPEDWARDS	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	6/26/2008