State of New Mexico

Form C-101 Permit 106355

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

	or Name and Address PERATING LLC	OGRID Number 229137	
370 CO	0 W TEXAS AND , TX 79701	3. API Number 30-015-37639	
4. Property Code 37882	5. Property Name FIRECRACKER STATE	6. Wett No. 009	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	14	17S	28E	J	1900	S	2310	E	EDDY

8. Pool Information

EMPIRE; GLORIETA-YESO 96210

Additional Well Information

	563		Traditional II chi reliation		
9. Work Type New Well	10. Wett OIL		ype 11. Cable/Rotary		13. Ground Level Elevation 3615
14. Multiple N	15. Propos 540		16. Formation Yeso Formation	17. Contractor	18. Spud Date 4/30/2010
Depth to Ground 110	water		Distance from nearest fresh water v > 1000	vett	Distance to nearest surface water > 1000
Pit: Liner: Synthetic D Closed Loop Syste	_	mils thick C		Drilling Method: Fresh Water X Brine	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17	13.375	48	250	400	0
Int1	11	8.625	24	850	400	0
Prod	7.875	5.5	17	5400	900	0

Casing/Cement Program: Additional Comments

COG proposes to drill a 17-1/2" hole to 250' w/fr wtr mud system, wt 8.5, vis 28, set 13-3/8" casing & cement to surface. Drill an 11" hole to 850' w/br mud system, wt 10, vis 30. Set 8-5/8" casing & cement to surface. Drill 7-7/8" hole to 5400' w/cut brine mud system, wt 9.1, vis 29-32. Test Yeso formation. Run 5-1/2" casing & cement to surface. Note: On production string, a caliper will be run, COG will attempt to circulate cement.

Proposed Blowout Prevention Program

Type	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 X, a general permit , or an (attached) alternative OCD-approved plan .	Approved By: Jacqueta Reeves				
Printed Name: Electronically filed by Diane Kuykendall	Title: District Geologist				
Title: Regulatory Analyst	Approved Date: 3/10/2010 Expiration Date: 3/10/2012				
Email Address: dkuykendall@conchoresources.com					
Date: 3/3/2010 Phone: 432-683-7443					

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

Form C-102 Permit 106355

Energy, Minerals and Natural Resources Oil Conservation Division

1220 S. St Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3	Pool Name
30-015-37639	96210	EMPIRE;	GLORIETA-YESO
4. Property Code	5. Property	Name	6. Well No.
37882	FIRECRACKER STATE		009
7. OGRID No.	8. Operator	Name	9. Elevation
229137	COG OPERAT	ING LLC	3615

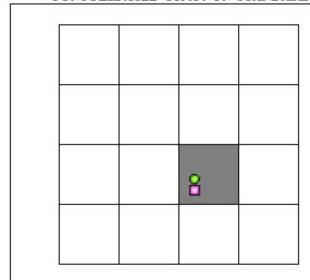
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	14	17S	28E		1900	S	2310	E	EDDY

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
J	14	17S	28E	J	1650	S	2310	E	EDDY
V. 100 100 100 100 100 100 100 100 100 10	cated Acres	13. J	oint 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



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: 3/3/2010

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: 2/10/2010 Certificate Number: 3239

Permit Comments

Operator: COG OPERATING LLC , 229137 Well: FIRECRACKER STATE #009

API: 30-015-37639

Created By	Comment	Comment Date
rodom	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	12/8/2009