<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240

Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u>

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-101 August 1, 2011

Permit 140388

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

COG OP	Name and Address ERATING LLC	OGRID Number 229137		
550 W TEXAS MIDLAND, TX 79701		3. API Number 30-015-39715		
4. Property Code	5. Property Name	6. Well No.		
38945	PATTON 5 FEE	005H		

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	5	198	26E	L	2260	S	330	W	EDDY

8. Pool Information

	7.0
ATOKA:GLORIETA-YESO	3250

Additional Well Information

		Auditional Well In	потшанов		
9. Work Type New Well	10. Well Typ	e 11. Cable/Rotary	12. Lesse Type Private	13. Ground Level Elevation 3365	
14. Multiple 15. Proposed Depth N 7160		Pepth 16. Formation Yeso Formation	17. Contractor	18. Spud Date 1/31/2012	
Depth to Ground	water	Distance from nearest fres	h water well	Distance to nearest surface water > 1000	

19. Proposed Casing and Cement Program

					8	
Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	825	600	0
Int1	8.75	7	26		0	0
Prod	7.875	5.5	17	7160	300	

Casing/Cement Program: Additional Comments

COG proposes to drill a 12 ¼" hole to 825' w/ fresh water, run 9 5/8" 36# J-55 and cement to surface. Drill a 8 ¾" hole to 2273' MD and kick off and drill curve to 3023' MD. Drill a 7 7/8" lateral to new BHL @ 2750' TVD 7160' MD. Run a tapered string with 7" 26# L-80 from surface to 2273' & 5 ½" 17# L-80 casing to TD with DV/ECP Combo Tool at 2273' and isolation packers in the open hole. Set isolation packers and ECP. Open DV tool and cement from 2273' to surface.

Proposed Blowout Prevention Program

351	Troposed Blowdat Trevention Trogram									
	Type	Working Pressure	Test Pressure	Manufacturer						
Т	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 Approved By: Randy Dade				
NMOCD guidelines X, a general permit , or an (attached) alternative OCD-approved plan .					
Printed Name: Electronically filed by Diane Kuykendall	Title: District Supervisor				
Title: Production Reporting Mgr	Approved Date: 11/30/2011 Expiration Date: 11/30/2013				
Email Address: dkuykendall@conchoresources.com					
Date: 11/28/2011 Phone: 432-683-7443					

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Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-102 August 1, 2011

Permit 140388

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-39715	2. Pool Code 3250	3. Pool Name ATOKA;GLORIETA-YESO
4. Property Code 38945	5. Property N PATTON 5	
7. OGRID No. 229137	8. Operator N COG OPERATI	

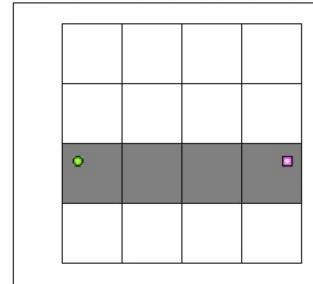
10. Surface Location

-	UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
-	L	5	198	26E		2260	S	330	W	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	
I	5	198	26E	I	2260	S	330	E	EDDY	
	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: Production Reporting Mgr

Date: 11/28/2011

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: Gary Eidson Date of Survey: 11/1/2011 Certificate Number: 12641

Permit Comments

Operator: COG OPERATING LLC , 229137 Well: PATTON 5 FEE #005H

API: 30-015-39715

Created By	Comment	Comment Date
kholly1	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	11/17/2011
CSHAPARD	Land p/P	11/29/2011