

**BEFORE THE OIL CONSERVATION DIVISION**

**AMENDED APPLICATION OF NADEL AND GUSSMAN  
PERMIAN, L.L.C. AND COG OPERATING LLC FOR  
APPROVAL OF A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
EDDY COUNTY, NEW MEXICO**

**CASE NO. 14628**

**JANUARY 5, 2012**

**District I**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**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-101  
August 1, 2011

Permit 138301

**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 30-015-39641
4. Property Code 38929	5. Property Name PATTON 5 FEE	6. Well No. 008H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	5	19S	26E	M	380	S	330	W	EDDY

**8. Pool Information**

ATOKA, GLORIETA-YESO	3250
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3363
14. Multiple N	15. Proposed Depth 7148	16. Formation Yeso Formation	17. Contractor	18. Spud Date 1/31/2012
Depth to Ground water 110		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

**19. Proposed Casing and Cement Program**

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	7148	300	

**Casing/Cement Program: Additional Comments**

COG proposes to drill a 12 1/4" hole to 825' w/ fresh water, run 9 5/8" 36# J-55 and cement to surface. Drill a 8 3/4" hole to 2273' MD and kick off and drill curve to 3023' MD. Drill a 7 7/8" lateral to new BHL @ 2750' TVD 7148' MD. Run a tapered string with 7" 26# L-80 from surface to 2273' & 5 1/2" 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**

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 NMOCD guidelines ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed Name: Electronically filed by Diane Kuykendall

Title: Production Reporting Mgr

**OIL CONSERVATION DIVISION**

Approved By: Randy Dade

Title: District Supervisor

Approved Date: 11/18/2011

Expiration Date: 11/18/2013

BEFORE THE OIL CONSERVATION DIVISION  
Santa Fe, New Mexico

Exhibit No. 1

Submitted by:

**COG OPERATING, LLC**

Hearing Date: January 5, 2012

Email Address: dkuykendall@conchoresources.com		
Date: 11/17/2011	Phone: 432-683-7443	Conditions of Approval Attached

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**State of New Mexico**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
August 1, 2011

Permit 138301

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-39641	2. Pool Code 3250	3. Pool Name ATOKA;GLORIETA-YESO
4. Property Code 38929	5. Property Name PATTON 5 FEE	6. Well No. 008H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3363

**10. Surface Location**

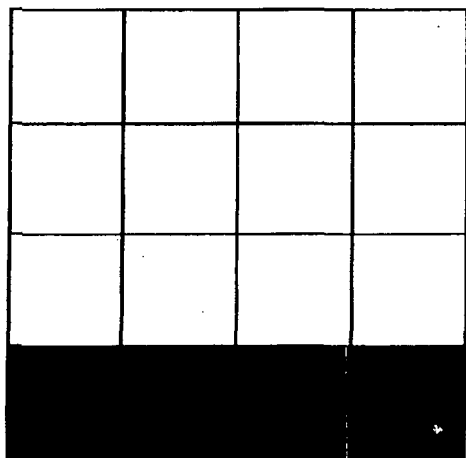
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	5	19S	26E		380	S	330	W	EDDY

**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
P	5	19S	26E		380	S	330	E	EDDY

12. Dedicated Acres 160.00	13. Joint or Infill	14. Consolidation Code	15. Order No.
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**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: 11/17/2011

**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: 10/17/2011

Certificate Number: 12641

## Permit Conditions of Approval

**Operator:** COG OPERATING LLC , 229137

**Well:** PATTON 5 FEE #008H

**API:** 30-015-39641

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

## Permit Comments

Operator: COG OPERATING LLC , 229137

Well: PATTON 5 FEE #008H

API:

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.	10/6/2011
CSHAPARD	Land p/P	11/18/2011

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
Property Code	Property Name <b>PATTON 5 FEE</b>		Well Number <b>8H</b>
OGRID No.	Operator Name <b>COG OPERATING, LLC</b>		Elevation <b>3363'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	5	19-S	26-E		380	SOUTH	330	WEST	EDDY

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
P	5	19-S	26-E		380	SOUTH	330	EAST	EDDY

Dedicated Acres	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

LOT 4	LOT 3	LOT 2	LOT 1
39.34 AC.	39.27 AC.	39.19 AC.	39.12 AC.
SECTION, QUARTER AND SIXTEENTH CORNER COORDINATES TABLE		GEODETIC COORDINATES NAD 27 NME	
(A) - Y=613281.8 N, X=475724.0 E (B) - Y=613289.1 N, X=480992.7 E (C) - Y=611972.4 N, X=475739.2 E (D) - Y=611974.5 N, X=480999.1 E		SURFACE LOCATION Y=612352.5 N X=476064.8 E LAT. = 32.683432° N LONG. = 104.411128° W BOTTOM HOLE LOCATION Y=612354.2 N X=480667.3 E	
(A)		(B)	
GRID. AZ. = 89°58'41" HORIZ. DIST. = 4603.8'			

**OPERATOR CERTIFICATION**

I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

**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.

OCTOBER 17, 2011

Date of Survey \_\_\_\_\_

Signature of Professional Surveyor: \_\_\_\_\_

Certification Number: Gary G. Eidson 12641  
Paul J. Eidson 3239

AF JWSC W.O.: 11.11.2112