District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 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

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

State of New Mexico **Energy, Minerals and Natural Resources** Form C-101 August 1, 2011

APPLICATION FOR PERMIT	TO DOUG DE EXTED	DEEDEN DITIONACE	OD ADD A ZONE
APPLICATION FOR PERMIT	TO DRILL RE-ENTER	DEFPEN PLICAGACK	OK ADD A /ONE

COG PF	tor Name and Address ODUCTION, LLC	OGRID Number 217955
	xas Avenue, Suite 100 land, TX 79701	3. API Number 30-015-40954
4. Property Code 39624	5. Property Name BIRDSEYE 32 STATE	6. Weti No. 002H

7. Surface Location

2 120	7. Surface Docution									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County]
P	32	198	31E	P	190	S	330	E	EDDY	

8. Proposed Bottom Hole Location

	COLUMN ACCOUNT ACCOUNT ACCOUNT										
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County		
A	32	198	31E	A	330	N	380	E	Eddy		

9. Pool Information

GATUNA CANYON; BONE SPRING	96688
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Additional Well Information

11. Work Type New Well	e 12. Well Type 13. Cable Rotary 14. Lease Typ OIL State		14. Lease Type State	15. Ground Level Elevation 3462	
16. Multiple N			18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 1/20/2013
N Depth to Ground		609	2nd Bone Spring Sand Distance from nearest fresh water w	ell	Distance to nearest surface wa

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	625	450	
Int1	12.25	9.625	36	3950	1075	
Prod	7.875	5.5	17	13609	1575	2400

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 625' with Fresh Water. Run 13-3/8", 48#, H-40 csg and cmt to surface. Drill 12-1/4" hole to 3950' with Brine, and run 9-5/8", 36#/40#, J55 and cement to surface in two stages. Drill 7-7/8" curve and lateral with cut brine to approx 13,609 MD. Run 5-1/2", 17#, P-110 csg and cement to 2400'.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

 I hereby certify that the information give best of my knowledge and belief. 		OIL CONSERVATION DIVISION				
I further certify I have complied with 19. 19.15.14.9 (B) NMAC X, if applicable.	15.14.9 (A) NMAC And/or	Approved By: Randy Dade				
Signature:						
Printed Name: Electronically filed by	DIANE KUYKENDALL	Title: District Supervisor				
Title: Production Reporting Manage	r	Approved Date: 1/15/2013	Expiration Date: 1/15/2015			
Email Address: dkuykendall@conch	o.com					
Date: 1/11/2013 Ph	one: 432-685-4372	Conditions of Approval Attached				

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III

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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

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. Po	ol Name
30-015-40954	96688	GATUNA CANY	ON; BONE SPRING
4. Property Code	5. Propert	y Name	6. Well No.
39624	BIRDSEYE :	32 STATE	002H
7. OGRID No.	8. Operato	or Name	9. Elevation
217955	COG PRODUC	CTION, LLC	3462

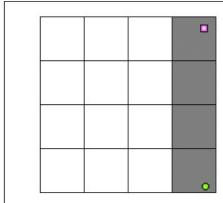
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	32	198	31E		190	S	330	E	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section 32	Township 198	Range 31E	Lot Idn A	Feet From 330	N/S Line	Feet From 380	E/W Line E	County 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

Form C-102

August 1, 2011

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 Manager

Date: 1/11/2013

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: Chad Harcrow Date of Survey: 10/27/2012 Certificate Number: 17777

Permit Comments

Operator: COG PRODUCTION, LLC , 217955 Well: BIRDSEYE 32 STATE #002H

API: 30-015-40954

Created By	Comment	Comment Date
matyereyes	OIL: COG Operating has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore we do not believe that an H2S Contingency Plan would be necessary.	1/11/2013
CSHAPARD	Land f/S	1/14/2013

Permit Conditions of Approval

Operator: COG PRODUCTION, LLC , 217955 Well: BIRDSEYE 32 STATE #002H API: 30-015-40954

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