

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 159243

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

1. Operator Name and Address COG PRODUCTION, LLC 550 W. Texas Avenue, Suite 100 Midland, TX 79701		2. OGRID Number 217955
4. Property Code 38397		3. API Number 30-015-40891
5. Property Name BIRDSEYE 32 STATE		6. Well No. 003H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	32	19S	31E	N	420	S	1675	W	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	32	19S	31E	C	330	N	1725	W	Eddy

9. Pool Information

GATUNA CANYON; BONE SPRING	96688
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3455
16. Multiple N	17. Proposed Depth 13327	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 12/18/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

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	585	425	
Int1	12.25	9.625	36	4100	1075	
Prod	7.875	5.5	17	13327	1375	

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 585' with Fresh Water. Run 13-3/8", 48#, H-40 csg and cmt to surface. Drill 12-1/4" hole to 4100' 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 13,327' MD. Run 5-1/2", 17#, P-110 csg and cement to 3600' in one stage.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: _____ Printed Name: Electronically filed by DIANE KUYKENDALL Title: Production Reporting Manager Email Address: dkuykendall@concho.com Date: 12/12/2012 Phone: 432-685-4372	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 12/12/2012 Expiration Date: 12/12/2014 Conditions of Approval Attached
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Santa Fe, NM 87505

Form C-102
August 1, 2011
Permit 159243

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-40891	2. Pool Code 96688	3. Pool Name GATUNA CANYON; BONE SPRING
4. Property Code 38397	5. Property Name BIRDSEYE 32 STATE	6. Well No. 003H
7. OGRID No. 217955	8. Operator Name COG PRODUCTION, LLC	9. Elevation 3455

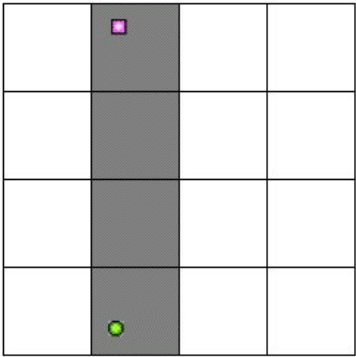
10. Surface Location

UL - Lot N	Section 32	Township 19S	Range 31E	Lot Idn C	Feet From 420	N/S Line S	Feet From 1675	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

11. Bottom Hole Location & Distance From Surface									
UL - Lot C	Section 32	Township 19S	Range 31E	Lot Idn C	Feet From 330	N/S Line N	Feet From 1725	E/W Line W	County EDDY
12. Dedicated Acres 160.00		13. 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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p>E-Signed By: DIANE KUYKENDALL Title: Production Reporting Manager Date: 12/12/2012</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Surveyed By: Chad Harcrow Date of Survey: 10/31/2012 Certificate Number: 17777</p>
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Permit Comments

Operator: COG PRODUCTION, LLC , 217955

Well: BIRDSEYE 32 STATE #003H

API: 30-015-40891

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.	12/12/2012
CSHAPARD	Land s/S	12/12/2012

Permit Conditions of Approval

Operator: COG PRODUCTION, LLC , 217955

Well: BIRDSEYE 32 STATE #003H

API: 30-015-40891

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