

1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND , TX 79701		2. OGRID Number 229137
		3. API Number 30-015-38295
4. Property Code 38397	5. Property Name BIRDSEYE 32 STATE	6. Well No. 001H

UL - Lot O	Section 32	Township 19S	Range 31E	Lot Idn O	Feet From 330	N/S Line S	Feet From 2260	E/W Line E	County EDDY
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HACKBERRY: BONE SPRING	29345
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9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3462
14. Multiple N	15. Proposed Depth 13450	16. Formation Bone Spring	17. Contractor	18. Spud Date 12/20/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mills thick      Clay <input type="checkbox"/> Pit Volume:      bbls      Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	655	550	0
Int1	12.25	9.625	36	4050	1300	0
Prod	7.875	5.5	17	13450	1600	450

Plan to drill a 17-1/2" hole to 655' with FW. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 4050' with brine, and run 9-5/8", 36#/40#, BUTT, J-55 (with DVT/ECP set 200' above reef @ approx 2550') and cement to surface in 2 stages. Drill 7-7/8" hole with cut brine to 10,490'. Run logs, plug back to 8500' to kick off and drill lateral to 13450' MD (9050' TVD). Run 5-1/2", 17#, P-110/N-80 csg and cement to 450' in 2 stages.

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

Conditions of Approval Attached

**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**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Permit 123615

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-38295	2. Pool Code 29345	3. Pool Name HACKBERRY;BONE SPRING
4. Property Code 38397	5. Property Name BIRDSEYE 32 STATE	6. Well No. 001H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3462

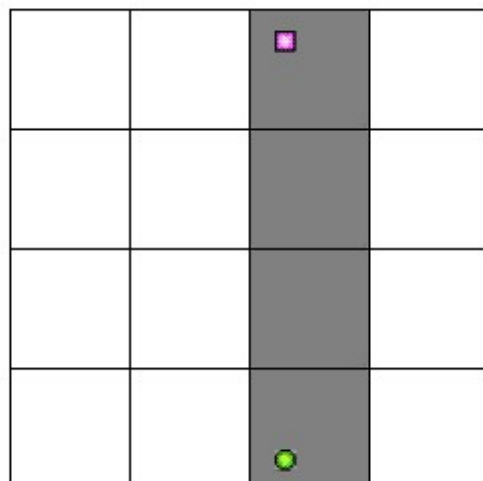
**10. Surface Location**

UL - Lot O	Section 32	Township 19S	Range 31E	Lot Idn	Feet From 330	N/S Line S	Feet From 2260	E/W Line E	County EDDY
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**11. Bottom Hole Location If Different From Surface**

UL - Lot B	Section 32	Township 19S	Range 31E	Lot Idn B	Feet From 330	N/S Line N	Feet From 2260	E/W Line E	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**



**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: 11/24/2010

**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: Filmon Jaramillo  
Date of Survey: 11/4/2010  
Certificate Number: 12797

## Permit Comments

**Operator:** COG OPERATING LLC , 229137

**Well:** BIRDSEYE 32 STATE #001H

**API:** 30-015-38295

Created By	Comment	Comment Date
krabinson2	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.	11/24/2010



# Permit Conditions of Approval

**Operator:** COG OPERATING LLC , 229137

**Well:** BIRDSEYE 32 STATE #001H

**API:** 30-015-38295

OCD Reviewer	Condition
Artesia	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