

**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 135973

**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 30-015-39327
4. Property Code 38757	5. Property Name COOKSEY 36 STATE COM	6. Well No. 001H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	36	25S	27E	P	330	S	330	E	EDDY

**8. Pool Information**

DELAWARE RIVER;BONE SPRING	16800
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable Rotary	12. Lease Type State	13. Ground Level Elevation 3082
14. Multiple N	15. Proposed Depth 11000	16. Formation Bone Spring	17. Contractor	18. Spud Date 8/31/2011
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	17.5	13.375	48	400	350	0
Int1	12.25	9.625	36	2250	600	0
Prod	7.875	5.5	17	11000	1850	0

**Casing/Cement Program: Additional Comments**

Plan to drill a 17-1/2" hole to 400' with Fresh Water. Run 13-3/8", 48#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 2250' with Brine, and run 9-5/8", 36#, J-55 and cement to surface. Drill 7-7/8" hole with cut brine to 11,000' MD/6660' TVD. Run 5-1/2", 17#, P-110 csg and cement to surface.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

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 <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Randy Dade	
	Title: District Supervisor	
	Approved Date: 8/18/2011	Expiration Date: 8/18/2013
	Email Address: dkuykendall@conchoresources.com	
Date: 8/12/2011	Phone: 432-683-7443	Conditions of Approval Attached

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

Form C-102  
August 1, 2011  
Permit 135973

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-39327	2. Pool Code 16800	3. Pool Name DELAWARE RIVER;BONE SPRING
4. Property Code 38757	5. Property Name COOKSEY 36 STATE COM	6. Well No. 001H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3082

**10. Surface Location**

UL - Lot P	Section 36	Township 25S	Range 27E	Lot Idn	Feet From 330	N/S Line S	Feet From 330	E/W Line E	County EDDY
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**11. Bottom Hole Location If Different From Surface**

11. Bottom Hole Location If Different From Surface									
UL - Lot A	Section 36	Township 25S	Range 27E	Lot Idn A	Feet From 330	N/S Line N	Feet From 375	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**

<table border="1" style="width: 100%; height: 150px;"> <tr><td></td><td></td><td></td><td style="background-color: #cccccc; text-align: center;">■</td></tr> <tr><td></td><td></td><td></td><td style="background-color: #cccccc;"></td></tr> <tr><td></td><td></td><td></td><td style="background-color: #cccccc;"></td></tr> <tr><td></td><td></td><td></td><td style="background-color: #cccccc; text-align: center;">●</td></tr> </table>				■												●	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></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 Mgr Date: 8/12/2011</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></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: Gary Jones Date of Survey: 7/30/2011 Certificate Number: 7977</p>
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## Permit Comments

Operator: COG OPERATING LLC , 229137

Well: COOKSEY 36 STATE COM #001H

API: 30-015-39327

Created By	Comment	Comment Date
Artesia	Land S/S	8/18/2011

# Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137  
Well: COOKSEY 36 STATE COM #001H  
API: 30-015-39327

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