

**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 156177

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

1. Operator Name and Address <b>COG OPERATING LLC</b> One Concho Center Midland, TX 79701	2. OGRID Number 229137
4. Property Code 39505	3. API Number 30-015-40790
5. Property Name CHICKEN DINNER 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
A	36	18S	31E	A	660	N	180	E	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	36	18S	31E	A	760	N	660	W	Eddy

**9. Pool Information**

LUSK;WOLFCAMP	41600
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**Additional Well Information**

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3670
16. Multiple N	17. Proposed Depth 14888	18. Formation Wolfcamp	19. Contractor	20. Spud Date 10/19/2012
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	54.5	970	725	
Int1	12.25	9.625	36	3200	990	
Int2	8.75	7	29	9970	1075	
Prod	6.125	4.5	11.6	14888	460	9700

**Casing/Cement Program: Additional Comments**

Drill 17-1/2" hole to ~970' w/ fresh water spud mud. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will use 1" tubing and Class C w/ 2% CaCl2 to cement to surface, if necessary. Drill 12-1/4" hole to ~3200' with saturated brine water. Run 9-5/8" 36# J55 BTC casing to TD and cement to surface in one stage. Drill 8-3/4" vertical pilot hole to ~11000' with cut brine. Run logs and plug back w/ cement to ~9900'. Dress off plug to ~9970' and run 7" 29# P110 LTC casing to TD and cement to surface in two stages w/ DV @ ~3500'. Drill out below 7" casing to ~10168'. Displace hole with 12.0# oil based mud. Kick off lateral and drill to ~14888' MD & 10445' TVD. Run 4-1/2" 11.6# P110 LTC liner f/ 9700' to TD and cement to top of liner.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	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:	<b>OIL CONSERVATION DIVISION</b> Approved By: Randy Dade
Printed Name: Electronically filed by Diane Kuykendall	Title: District Supervisor
Title: Production Reporting Mgr	Approved Date: 10/15/2012      Expiration Date: 10/15/2014
Email Address: dkuykendall@conchoresources.com	
Date: 10/11/2012      Phone: 432-683-7443	Conditions of Approval Attached

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Form C-102  
August 1, 2011  
Permit 156177

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-40790	2. Pool Code 41600	3. Pool Name LUSK;WOLFCAMP
4. Property Code 39505	5. Property Name CHICKEN DINNER 36 STATE COM	6. Well No. 001H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3670







**10. Surface Location**

UL - Lot A	Section 36	Township 18S	Range 31E	Lot Idn	Feet From 660	N/S Line N	Feet From 180	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 D	Section 36	Township 18S	Range 31E	Lot Idn D	Feet From 760	N/S Line N	Feet From 660	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**

<table border="1" style="width: 100%; height: 150px;"> <tr> <td style="width: 25%; text-align: center; vertical-align: middle;">  </td> <td style="width: 25%;"></td> <td style="width: 25%; text-align: center; vertical-align: middle;">  </td> <td style="width: 25%;"></td> </tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></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: 10/11/2012</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 Eidson Date of Survey: 10/1/2012 Certificate Number: 12641</p>
																	



## Permit Comments

**Operator:** COG OPERATING LLC , 229137

**Well:** CHICKEN DINNER 36 STATE COM #001H

**API:** 30-015-40790

Created By	Comment	Comment Date
mreyes1	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.	10/11/2012
CSHAPARD	Land s/S CCA Subject to 3/2012 Conservation	10/15/2012

# Permit Conditions of Approval

**Operator:** COG OPERATING LLC , 229137

**Well:** CHICKEN DINNER 36 STATE COM #001H

**API:** 30-015-40790

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