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Form 3160-3  
 (April 2004)

FEB 10 2010

HOBBSOCD UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
 OMB No 1004-0137  
 Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM-105885
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator COG Operating LLC		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 550 W. Texas, Suite 1300 Midland TX 79701	3b. Phone No. (include area code) (432) 685-4385	8. Lease Name and Well No. Leo 3 Fed Com #1 <i>(38029)</i>
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 430' FEL, UL P At proposed prod zone 660' FSL & 330' FWL, UL M		9. API Well No. <i>SD-005-29119</i>
14. Distance in miles and direction from nearest town or post office* 2.5 miles north of Loco Hills, NM		10. Field and Pool, or Exploratory WC; Crow Flat; Abo <i>0907 Camp</i>
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig unit line, if any) 430'		11. Sec., T R M or Blk and Survey or Area Sec 3, T15S, R31E <i>(97715)</i>
16. No. of acres in lease 160		12. County or Parish Chaves
17. Spacing Unit dedicated to this well 40		13. State NM
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 570'	19. Proposed Depth TVD 8675', MD 13475'	20. BLM/BIA Bond No. on file NMB000215
21. Elevations (Show whether DF, KDB, RT, GL, etc) 4405' GL	22. Approximate date work will start* 05/30/2009	23. Estimated duration 10 days
24. Attachments <b>ROSWELL CONTROLLED WATER BASIN</b>		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form:

- |  |  |
|--|--|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)     |
| 2. A Drilling Plan   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office) | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Robyn Odem</i>	Name (Printed/Typed) Robyn Odem	Date 03/26/2009
Title Regulatory Analyst		

Approved by (Signature) <i>Angel Mayes</i>	Name (Printed/Typed) Angel Mayes	Date 02/08/2010
Title Assistant Field Manager, Lands And Minerals		
Office ROSWELL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
 Conditions of approval, if any, are attached. **APPROVED FOR 2 YEARS**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

DECLARED WATER BASIN

CEMENT BEHIND THE 13 3/8"  
 CASING MUST BE CIRCULATED

WITNESS

APPROVAL SUBJECT TO  
 GENERAL REQUIREMENTS AND  
 SPECIAL STIPULATIONS ATTACHED

DISTRICT I  
1625 N. Franch Dr., Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised October 12, 2005

DISTRICT II  
1301 W. Grand Avenue, Artesia, NM 88201

RECEIVED

OIL CONSERVATION DIVISION

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT III  
1000 Rio Brazos Rd., Artec, NM 87410

FEB 10 2010

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBSOCD

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-29119	Pool Code 97715	Pool Name Wildcat Abo Wolfcamp
Property Code 38029	Property Name LEO "3" FEDERAL COM	Well Number 1 H
OGRID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 4405'

Surface Location

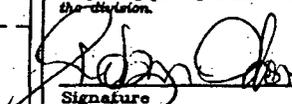
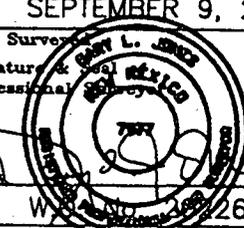
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	15 S	31 E		660'	SOUTH	430	EAST	CHAVES

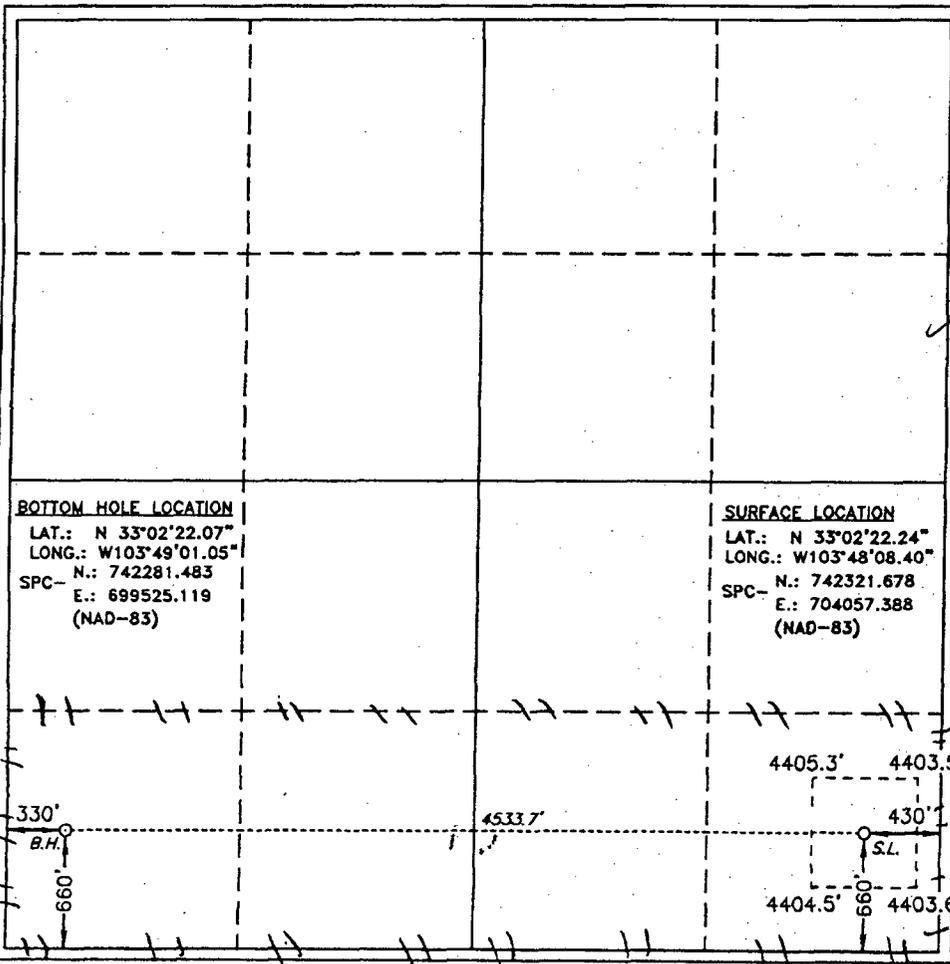
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	3	15 S	31 E		660	SOUTH	330	WEST	CHAVES

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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><b>BOTTOM HOLE LOCATION</b> LAT.: N 33°02'22.07" LONG.: W103°49'01.05" SPC- N.: 742281.483 E.: 699525.119 (NAD-83)</p>	<p><b>SURFACE LOCATION</b> LAT.: N 33°02'22.24" LONG.: W103°48'08.40" SPC- N.: 742321.678 E.: 704057.388 (NAD-83)</p>	<p><b>OPERATOR CERTIFICATION</b> 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 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.               9/19/2008            Signature Date            Robyn Odom            Printed Name</p>
		<p><b>SURVEYOR CERTIFICATION</b> 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.             SEPTEMBER 9, 2007            Date Surveyed              Signature            Professional Surveyor              Certificate No. Gary L. Jones 7977            BASIN SURVEYS</p>



**DISTRICT I**  
1802 N. French Dr., Hobbs, NM 88240

**DISTRICT II**  
1401 E. Grand Avenue, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Pecos Rd., Artes, NM 87410

**DISTRICT IV**  
1820 E. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised October 12, 2005

Submit to Appropriate District Office  
State Lease - 4 Copies  
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**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

APN Number	Pool Code	Pool Name
Property Code	Property Name LEO "3" FEDERAL COM	Well Number 1
OGRII No.	Operator Name C.O.G. OPERATING L.L.C.	Elevation 4405'

Surface Location

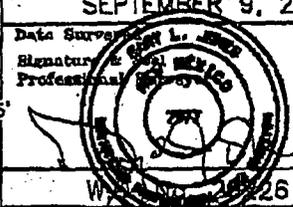
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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		<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this information either came a working interest or unleased mineral interest in the land including the proposed bottom hole 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.</p>	
		Signature	Date
		Printed Name	
		<b>SURVEYOR CERTIFICATION</b>	
		<p>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.</p>	
		SEPTEMBER 9, 2007	
		Date Surveyed Signature of Gary L. Jones Professional Surveyor	
			
		Certificate No. Gary L. Jones 7977	
		BASIN SURVEYS	

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