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New Mexico Oil Conservation Division, District II
1625 N. French Drive
Hobbs, NM 88240

Form 3160-3
(April 2004)

FEB 10 2010

HOBBSDO 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. 30-005-29119
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 Flats; Abo <i>Scamp</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

ROSWELL CONTROLLED WATER BASIN

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

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

25. Signature <i>Robyn Odum</i>	Name (Printed/Typed) Robyn Odum	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 133"
CASING MUST BE CIRCULATED

WITNESS

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS ATTACHED

NMOCD CASE 14500
COG EXH. 1

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

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

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

DISTRICT IV
1220 S. 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
Fee Lease - 3 Copies

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OIL CONSERVATION DIVISION

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

FEB 10 2010

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>BOTTOM HOLE LOCATION LAT.: N 33°02'22.07" LONG.: W103°49'01.05" SPC- N.: 742281.483 E.: 699525.119 (NAD-83)</p>		<p>SURFACE LOCATION LAT.: N 33°02'22.24" LONG.: W103°48'08.40" SPC- N.: 742321.678 E.: 704057.388 (NAD-83)</p>		<p>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 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. Signature: <i>Robyn Odom</i> Date: 9/19/2008 Printed Name: Robyn Odom</p>
<p>BASIN SURVEYS</p>		<p>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. SEPTEMBER 9, 2007 Date Surveyed: <i>GARY L. JONES</i> Signature: <i>GARY L. JONES</i> Professional: <i>GARY L. JONES</i> Certificate No. Gary L. Jones 7977</p>		<p>Basin Surveys</p>

DISTRICT I

1825 N. French Dr., Hobbs, NM 88240

DISTRICT II

1401 E. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Pecos Rd., Artesia, NM 87410

DISTRICT IV

1825 N. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505Form C-102
Revised October 12, 2005Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies☐ 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
OCRM No.	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	Joint or Infill	Consolidation Code	Order No.
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>BOTTOM HOLE LOCATION LAT.: N 33°02'22.07" LONG.: W103°48'01.05" SPC- N.: 742281.483 E.: 698525.119 (NAD-83)</p>		<p>SURFACE LOCATION LAT.: N 33°02'22.28" LONG.: W103°48'08.40" SPC- N.: 742321.878 E.: 704057.388 (NAD-83)</p>		<p>OPERATOR CERTIFICATION</p> <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 owns a working interest or undivided 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> <p>Signature _____ Date _____</p> <p>Printed Name _____</p>	
				<p>SURVEYOR CERTIFICATION</p> <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> <p>SEPTEMBER 9, 2007</p> <p>Date Surveyed _____ Signature _____ Professional _____</p> <p>W. L. JONES</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>	
<p>PROJECT AREA</p> <p>PRODUCING AREA</p> <p>4405.3' 4403.5' 430' 4404.5' 4403.6'</p> <p>330' B.H.</p>					