

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701		² OGRID Number 229137 999137
³ Property Code 36384	⁴ Property Name Dinwiddie State	⁵ API Number 30-025-38059
⁹ Proposed Pool 1 Wildcat; Bone Spring		¹⁰ Proposed Pool 2

⁷ Surface Location									
UL or lot no. M	Section 16	Township 25S	Range 36E	Lot Idn	Feet from the 660	North/South line S	Feet from the 660	East/West line W	County LEA

⁸ Proposed 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

¹¹ Work Type Code P										¹² Well Type Code O										¹³ Cable/Rotary R										¹⁴ Lease Type Code S										¹⁵ Ground Level Elevation 3690																			
¹⁶ Multiple N										¹⁷ Proposed Depth										¹⁸ Formation Bone Spring										¹⁹ Contractor										²⁰ Spud Date																			
Depth to Groundwater > 480'																				Distance from nearest fresh water well > 1000'																				Distance from nearest surface water > 1000'																			
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 35000 bbls Drilling Method:																																																											
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>																																																											

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/4	13 3/8	48	815	400	Surface
12 1/4	9 5/8	32	5186	1350	Surface
8 3/4	7	17	11 073	1990	5000
6-1/8	4-1/2	13 5	12 179	150	10200

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new or improved zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Well is currently completed in the Strawn formation with perforations from 11,324-11,390'.

COG Operating proposes to re-complete to the Bone Spring as follows:

- Set CIBP @ +/- 11250'. Test to 3000#. Top w/ 35' cement.
- Cut 4-1/2" casing @ +/- 9700' & POH. Set 7" CIBP 10' above casing stub. Test to 3000#. Top w/ 35' cement.
- Perf Bone Spring Carbonate @ 9392'- 9406. 14", 4 SPF, 57 holes.
- Acidize w/ 1500 gallons 15% HCL acid.
- Swab or flow test well. Evaluate for further stimulation or begin to produce from this interval.

²³ 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 type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Phyllis A. Edwards		Approved by: Chris Williams	
Title: Phyllis A. Edwards, Regulatory Analyst		Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER	
E-mail Address: pedwards@conchoresources.com		Approval Date: MAR 14 2007	
Date: 3/6/07		Expiration Date:	
Phone: 432-685-4340		Conditions of Approval Attached <input type="checkbox"/>	

DISTRICT I
1686 N. French Dr., Hobbs, NM 88240

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1820 S. 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 87505

Form C-102
Revised October 12, 2006

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-38059	Pool Code 96053 ✓	Pool Name Wildcat; Bone Spring (Oil)
Property Code 303118 36384	Property Name DINWIDDIE STATE CON	Well Number 1
OGARD No. 229137	Operator Name COG OPERATING LLC	Elevation 3100'

Surface Location

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
M	16	25 S	36 E		660	SOUTH	660	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	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 has a 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. Phyllis A. Edwards 3/6/07 Signature Date Phyllis A. Edwards Printed Name Regulatory Analyst	
	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. AUGUST 10, 2006 Date Surveyed Signature of Professional Surveyor Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS	