

**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**

<sup>1</sup> Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701		<sup>2</sup> OGRID Number 229137
<sup>3</sup> Property Code: <b>36384</b> <b>303118</b>		<sup>4</sup> API Number 30 -025-38059
Property Name Dinwiddie State		Well No. 1
<sup>9</sup> Proposed Pool 1 Jal; Delaware West 33800		<sup>10</sup> Proposed Pool 2

**7 Surface Location**

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

**Additional Well Information**

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3100
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation Bone Spring	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
Depth to Groundwater >480' <b>~ 270'</b>		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 1/2	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	9 524		

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

Well is currently completed in the Bone Spring formation with perforations from 9,392 - 9,406'.

COG Operating proposes to re-complete to the Delaware as follows:

- Set 7" CIBP @ +/- 9,300. Test to 3000#. Top w/ 35' cement.
- Perf Delaware @ 7512' - 7554'. 42', 2 SPF, 51 holes.
- Acidize w/ 2000 gallons 15% HCL acid.
- Frac w/ 100,000 gals gel & 121,000# 16/30 sand.
- Swab or flow test well. Evaluate for further stimulation or begin to produce from this interval.

*Plugback*

<sup>23</sup> 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"/> .		<b>OIL CONSERVATION DIVISION</b>	
Printed name: <i>Phyllis A. Edwards</i>		Approved by: <i>Chris Williams</i>	
Title: Phyllis A. Edwards, Regulatory Analyst		Title: <b>OC DISTRICT SUPERVISOR/GENERAL MANAGER</b>	
E-mail Address: pedwards@conchoresources.com		Approval Date: <b>JUN 25 2007</b> Expiration Date:	
Date: 6/7/07	Phone: 432-685-4340	Conditions of Approval Attached <input type="checkbox"/>	

DISTRICT I  
1085 N. French Dr., Hobbs, NM 88240

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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, 2005

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 33820	Pool Name Jal Wildcat; Delaware
Property Code 303118 36384	Property Name DINWIDDIE STATE COM	Well Number 1
OGHD No. 229137	Operator Name COG OPERATING LLC	Elevation 3100'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	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 Idn	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

	<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.  Signature: <i>Phyllis A. Edwards</i> Date: 1-07  Printed Name: Phyllis A. Edwards Regulatory Analyst
	<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.  Date Surveyed: AUGUST 07, 2006 Signature & Seal of Professional Surveyor: <i>[Signature]</i> Certificate No. 7977 BASIN SURVEYS