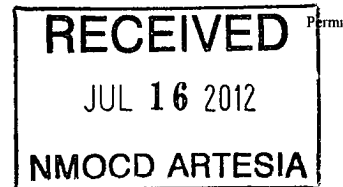


District I  
1625 N French Dr, Hobbs, NM 88240  
Phone (575) 393-6161 Fax (575) 393-0720  
District II  
811 S First St, Artesia, NM 88210  
Phone (575) 748-1283 Fax (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone (505) 334-6178 Fax (505) 334-6170  
District IV  
1220 S St Francis Dr, Santa Fe, NM 87505  
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
Revised December 16, 2011



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

<sup>1</sup> Operator Name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		<sup>2</sup> OGRID Number 229137
		<sup>3</sup> API Number 30-015-31984
<sup>4</sup> Property Code 308138	<sup>5</sup> Property Name Baby Ruth Fee	<sup>6</sup> Well No 2

**<sup>7</sup> Surface Location**

UL - Lot E	Section 10	Township 22S	Range 27E	Lot Idn	Feet from 1980	N/S Line N	Feet From 1090	E/W Line W	County Eddy
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**<sup>8</sup> Pool Information**

Carlsbad; Wolfcamp, East (Gas)	74160
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**Additional Well Information**

<sup>9</sup> Work Type P	<sup>10</sup> Well Type G	<sup>11</sup> Cable/Rotary N/A	<sup>12</sup> Lease Type P	<sup>13</sup> Ground Level Elevation 3077'
<sup>14</sup> Multiple No	<sup>15</sup> Proposed Depth	<sup>16</sup> Formation Morrow	<sup>17</sup> Contractor	<sup>18</sup> Spud Date ASAP
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**<sup>19</sup> Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17 1/2"	13 3/8"	48#	395'	In Place	0
Int1	12 1/4"	9 5/8"	36#	1602'	In Place	0
Int2	8 3/4"	7"	23#	8968'	In Place	0
Prod	6 1/8"	4 1/2"	11.6#	11875'	In Place	8380'

**Casing/Cement Program: Additional Comments**

--

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer

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 NMOC D guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Printed name: Stormi Davis

Title: Regulatory Analyst

E-mail Address sdavis@concho.com

Date: 7/12/12

Phone: 575-748-6946

**OIL CONSERVATION DIVISION**

Approved By:

Title:

Approved Date:

7/17/2012

Expiration Date:

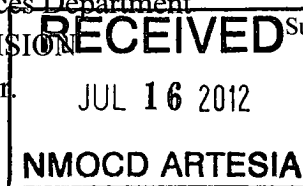
7/17/2014

Conditions of Approval Attached

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT



WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-015-31984</b>		<sup>2</sup> Pool Code <b>74160</b>	<sup>3</sup> Pool Name <b>Carlsbad; Wolfcamp, East (Gas)</b>
<sup>4</sup> Property Code <b>308138</b>	<sup>5</sup> Property Name <b>Baby Ruth Fee</b>		<sup>6</sup> Well Number <b>2</b>
<sup>7</sup> OGRID No. <b>229137</b>	<sup>8</sup> Operator Name <b>COG Operating LLC</b>		<sup>9</sup> Elevation <b>3077' GR</b>

<sup>10</sup> Surface Location									
UL or lot no. <b>E</b>	Section <b>10</b>	Township <b>22S</b>	Range <b>27E</b>	Lot Idn	Feet from the <b>1980</b>	North/South line <b>North</b>	Feet from the <b>1090</b>	East/West line <b>West</b>	County <b>Eddy</b>

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres <b>320</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

<sup>16</sup> 					<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <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 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>  Signature <span style="float: right;">7/12/12</span> Date <b>Stormi Davis</b> Printed Name <b>sdavis@concho.com</b> E-mail Address
					<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <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>  Date of Survey Signature and Seal of Professional Surveyor  <b>REFER TO ORIGINAL PLAT</b>  Certificate Number

CURRENT

**Baby Ruth Fee #2**  
**Carlsbad; Morrow, South**  
**API: 30-015-31984**

**Eddy County, NM**  
**Section 10 T22S R27E**  
**1980' FNL & 1090' FWL**

**KB: 3094'**  
**GL: 3077'**

Bell Canyon	1825'
Cherry Canyon	2680'
Brushy Canyon	4249'
Bone Spring	5196'
Wolfcamp	8906'
Strawn	10179'
Atoka	10710'
Morrow	11369'

Hole Size: 17 1/2"

13 3/8" 48# H-40 @ 395'  
w/420 sx (circ)

Hole Size: 12 1/4"

9 5/8" 36# J-55 @ 1602'  
w/650 sx (circ)

Hole Size: 8 3/4"

TOC @ 8380' TS

7" 23# N-80 @ 8968'  
w/1550 sx (circ)

Hole Size: 6 1/8"

Morrow 11206-11212' (8/04)

Morrow 11370-11400' (2/04)

Morrow 11447-11571'

Morrow 11624-11631'

Morrow 11697-11748'

4 1/2" 11.6# P-110 @ 11875'  
w/300 sx (circ)

TD 11875'

7/12/12 - sd

**Baby Ruth Fee #2**  
**Carlsbad; Morrow, South**  
**API: 30-015-31984**

**PROPOSED**

**Eddy County, NM**  
**Section 10 T22S R27E**  
**1980' FNL & 1090' FWL**

**KB: 3094'**  
**GL: 3077'**

Bell Canyon	1825'
Cherry Canyon	2680'
Brushy Canyon	4249'
Bone Spring	5196'
Wolfcamp	8906'
Strawn	10179'
Atoka	10710'
Morrow	11369'

Hole Size: 17 1/2"

13 3/8" 48# H-40 @ 395'  
w/420 sx (circ)

Hole Size: 12 1/4"

9 5/8" 36# J-55 @ 1602'  
w/650 sx (circ)

Hole Size: 8 3/4"

TOC @ 8380' TS

7" 23# N-80 @ 8968'  
w/1550 sx (circ)

Wolfcamp 9444-48', 9454-58', 9462-66', 9492-96', 9518-40'

Hole Size: 6 1/8"

10 sx cmt plug 10068-10200'

CIBP @ 11156' + 35' Cmt

Morrow 11206-11212' (8/04)

Morrow 11370-11400' (2/04)

Morrow 11447-11571'

Morrow 11624-11631'

Morrow 11697-11748'

TD 11875' 4 1/2" 11.6# P-110 @ 11875'  
w/300 sx (circ)

7/12/12 - sd

# **Design Plan Operating and Maintenance Plan Closure Plan**

**Well Name:** Baby Ruth Fee #2  
**SHL:** 1980' FNL & 1090' FWL  
**BHL:** \_\_\_\_\_  
**Location:** Sec 10-T22S-R27E  
**Eddy County, New Mexico**

COG Operating LLC will be using all above-ground steel pits for fluid and cuttings while drilling. If any tank develops a leak we will have immediate visual discovery, we would then transfer the fluid to another tank then remove any contaminated soil and dispose of it in the cuttings bins for transportation. All leaks should be kept to less than 5 barrels. Rig crews will monitor the tanks at all times.

## **Equipment List:**

2- Mongoose Shale Shakers  
1- 414 Centrifuge  
1- 518 Centrifuge  
2- Roll Off Bins w/ Tracks  
2- 500 BBL Frac Tanks

During drilling operations all liquids, drilling fluids and cuttings will be hauled off via CRI (Controlled Recovery Inc.) Permit R-9166 or any other approved facility.