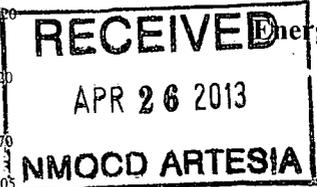


District I  
 1525 N. French Dr., Hobbs, NM 88240  
 Phone: (575) 393-6161 Fax: (575) 393-0780  
 District II  
 811 S. First St., Artesia, NM 88210  
 Phone: (575) 748-1283 Fax: (575) 748-9730  
 District III  
 1000 Rio Brazos Road, Aztec, NM 87410  
 Phone: (505) 334-6178 Fax: (505) 334-6170  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505  
 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101  
 Revised November 14, 2012



Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

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 One Concho Center, 600 W. Illinois Ave. Midland, TX 79701		<sup>4</sup> OGRID Number 229137
		<sup>3</sup> API Number 30-15-36460
<sup>4</sup> Property Code 37289	<sup>2</sup> Property Name Teddy Graham State Com	<sup>6</sup> Well No. 1

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
M	9	26S	28E		660	South	660	West	Eddy

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**9. Pool Information**

<sup>11</sup> Pool Name Wildcat, Wolfcamp <i>WC-015 5262814C; Wolfcamp (gas)</i>	<sup>12</sup> Pool Code 97489
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**Additional Well Information**

<sup>11</sup> Work Type A PB	<sup>12</sup> Well Type G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 3345'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation WC	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**21. 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	212	275	Surf
Inter	12-1/4	9-5/8	36	2440	1010	Surf
Prod	8-3/4	7	17	9500	1420	Surf
Liner	6-1/8	4-1/2	11.6	13972	435	8700

**Casing/Cement Program: Additional Comments**  
 Abandon Morrow, perf up hole, complete in Wolfcamp

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer

<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 I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>B. Maiorino</i> Printed name: Brian Maiorino Title: Regulatory Analyst E-mail Address: bmaiorino@concho.com Date: 3/18/13	OIL CONSERVATION DIVISION	
	Approved By: <i>SP Dade</i>	
	Title: <i>Dist II Supervisor</i>	
	Approved Date: <i>4/30/13</i>	Expiration Date: <i>4/30/15</i>
	Conditions of Approval Attached	
	Phone: 432-221-0467	

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised August 1, 2011

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-36460
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator One Concho Center, 600 W. Illinois Ave, Midland, TX 79701		7. Lease Name or Unit Agreement Name Teddy Graham State Com
4. Well Location Unit Letter <u>M</u> : <u>660</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>West</u> line Section <u>9</u> Township <u>26S</u> Range <u>28E</u> NMPM County: <u>Eddy</u>		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3345		9. OGRID Number 229137
		10. Pool name or Wildcat Wildcat; Wolfcamp

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK  PLUG AND ABANDON   
 TEMPORARILY ABANDON  CHANGE PLANS   
 PULL OR ALTER CASING  MULTIPLE COMPL   
 DOWNHOLE COMMINGLE

SUBSEQUENT REPORT OF:

- REMEDIAL WORK  ALTERING CASING   
 COMMENCE DRILLING OPNS.  P AND A   
 CASING/CEMENT JOB

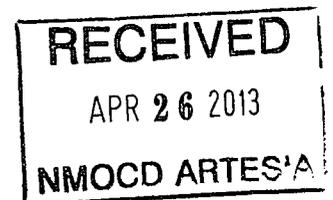
OTHER: Abandon Morrow, add Wolfcamp and Bone Spring

OTHER:

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully request to abandon the Morrow and recomplete in the Wolfcamp.

- 1) Pressure test 4 1/2" x 7" annulus to 2000 psi and notify of results.
- 2) MIRU
- 3) Kill well if necessary.
- 4) Install back pressure valve.
- 5) Remove wellhead & install BOP.
- 6) Attempt to release from on/off tool. (If cannot release, punch hole in tubing, and if necessary, cut off)
- 7) Pull tubing and visually inspect. If necessary, utilize workstring
- 8) TIH with tubing open ended
- 9) Spot Class H cement mixed at 16.4# gal from 13050 - 12400 (Top of Morrow @ 12591')
- 10) Circulate well clean
- 11) Set CIBP @ 10600'
- 12) Pressure test casing to 8000 psi
- 13) Perforate Wolfcamp @ 10350' (12 holes), 10275' (14 holes), 10232' (10 holes) and 10188' (10 holes) w/6 spf, 60° phasing utilizing Halliburton openhole log dated 11/26/08.
- 14) TIH w/tubing & packer. Spot acid across perms. Set packer at 10250'
- 15) Acidize zone with 3000 gallons 15% HCl at 3 - 5 BPM. Utilize 30 balls during job.
- 16) Shut-in 1 hour & flow back
- 17) Pull tubing and packer
- 18) Set frac valve & prepare for frac. Note: **Place 1500 psi on 4 1/2" x 7" annulus for all frac jobs and continuously monitor throughout jobs.**
- 19) Frac Lower Wolfcamp with attached procedure
- 20) Set flow through composi @ 9700'
- 21) Perforate Wolfcamp @ 9580' (14 holes), 9550' (12 holes), 9503' (12 holes) and 9468' (10 holes) w/6 spf, 60° phasing utilizing Halliburton openhole log dated 11/26/08.



- 22) Frac Upper Wolfcamp with attached procedure
- 23) Shut-in well for 24 hours
- 24) Flow well back until dead.
- 25) TIH with tubing and bit and drill out plugs. TOH
- 26) TIH with packer, tubing and gas lift valves. Set packer @ 8850'.
- 27) Place well on test

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE B. Ma TITLE Regulatory Analyst DATE 3/18/13

Type or print name Brian Maiorino E-mail address: bmaiorino@concho.com PHONE: 432-221-0467

**For State Use Only**

APPROVED BY: RDade TITLE Dist. H. Supervisor DATE 4/26/2013  
Conditions of Approval (if any):

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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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 30-015-36460	<sup>2</sup> Pool Code 97954	<sup>3</sup> Pool Name Wildcat 015 S262814C; Wolfcamp (Gas)
<sup>4</sup> Property Code 308056	<sup>5</sup> Property Name Teddy Graham State Com	
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG Operating LLC	<sup>6</sup> Well Number 1
<sup>9</sup> Elevation 3345'		

<sup>10</sup> 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	9	26S	28E		660	South	660	West	Eddy

<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

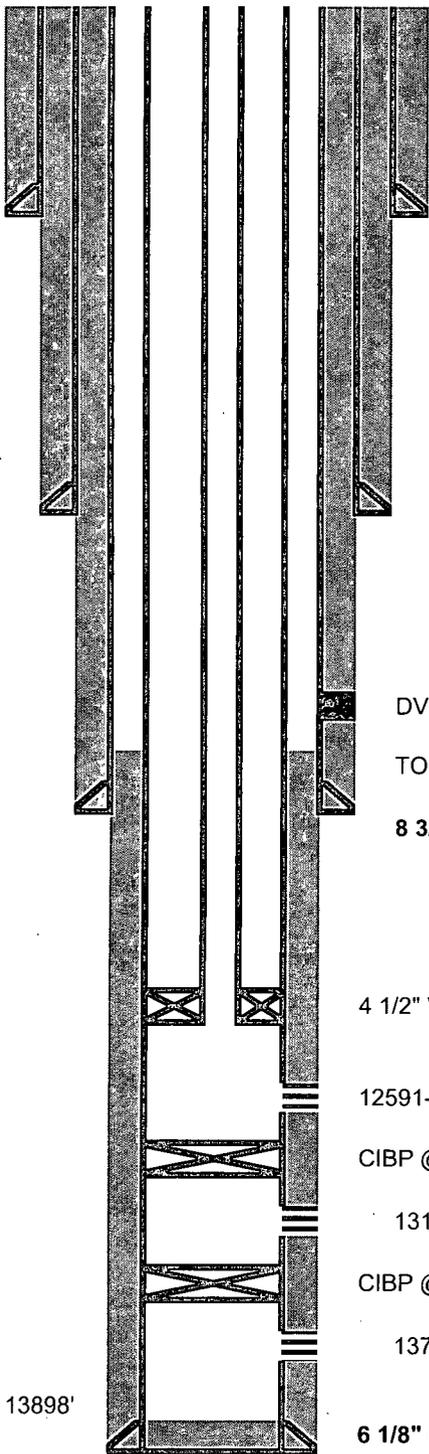
<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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.

	<p><sup>16</sup></p>			<p><b><sup>17</sup> 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 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.</p> <p>Signature: <u>Brian Maiorino</u> Date: <u>3/19/13</u></p> <p>Printed Name: <u>Brian Maiorino</u></p> <p>E-mail Address: <u>bmaiorino@concho.com</u></p>
	<p><b><sup>18</sup> 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.</p>			<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>			

Author:	Stroup	
Well Name	<b>Teddy Graham</b>	Well No. <b>#1</b>
Field	Wildcat	API #: 30-015-36460
County	Eddy	Prop #:
State	New Mexico	Zone: Morrow
Date	2/19/2013	
GL	3073'	
KB	3090'	

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48	212	275	Surface
Inter Csg	9 5/8	J55	36	2,440	1010	Surface
Prod Csg	7	N80 & P110	17	9500'	1,420	Surface
Liner	4 1/2	P110	11.60	13,972	435	8700



**Current Well Bore**

**17-1/2" Hole**

13-3/8" (H40 - 48#) @ 405' w/450 sx  
TOC @ surface

2-3/8" L80 Tbg - 354 jts

**12 1/4" hole**

9-5/8" (J55 - 36#) @ 2440' w/1010 sx  
TOC @ surface

DV Tool @ 6421' w/1000' sx

TOC @ 8700'

**8 3/4" hole**

7" (6810' N80 & 2690' P110 - 17#) @ 9500' w/420 sx

4 1/2" Versaset Packer @ 12498' w/1.875" Profile

12591- 601, 12619-24, 12689-97 Morrow

CIBP @ 13140'

Marker Joint @ 13144 & 13750

13196 - 13202

CIBP @ 13750'

13796 - 13810

13898'

**6 1/8" hole**

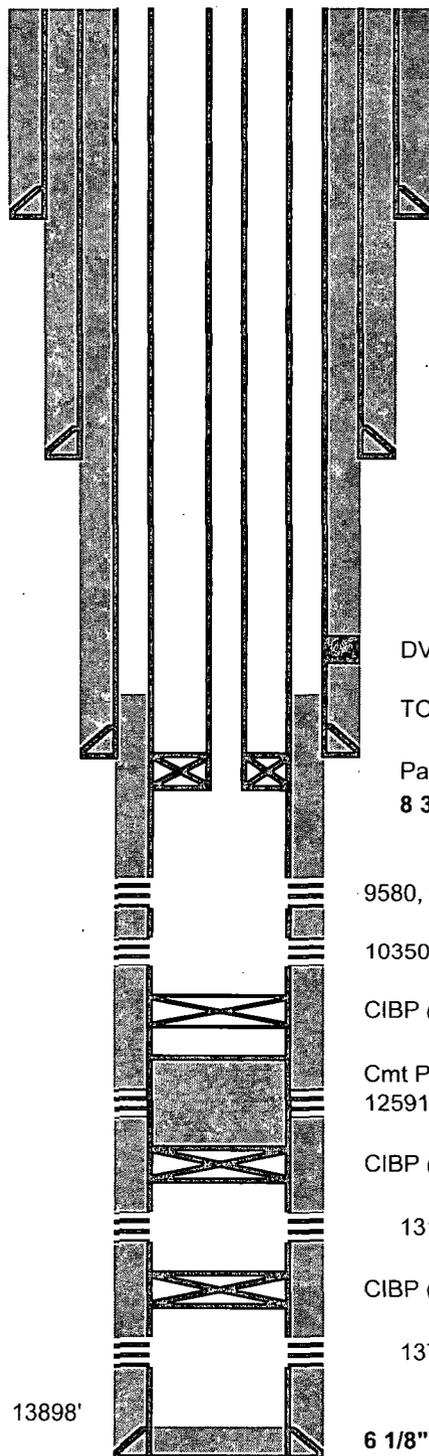
4 1/2" (P110 - 11.6#) @ 13972' w/435 sx  
TOC @ 8700'

TD @ 14000'

Author:	Stroup		
Well Name	<b>Teddy Graham</b>	Well No.	<b>#1</b>
Field	Wildcat	API #:	30-015-36460
County	Eddy	Prop #:	
State	New Mexico	Zone:	Wolfcamp
Date	2/19/2013		
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Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
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Liner	4 1/2	P110	11.60	13,972	435	8700

**Proposed Well Bore**



**17-1/2" Hole**

13-3/8" (H40 - 48#) @ 405' w/450 sx  
TOC @ surface

2-3/8" L80 Tbg - 354 jts

**12 1/4" hole**

9-5/8" (J55 - 36#) @ 2440' w/1010 sx  
TOC @ surface

DV Tool @ 6421' w/1000' sx

TOC @ 8700'

Packer @ 8850

**8 3/4" hole**

7" (6810' N80 & 2690' P110 - 17#) @ 9500' w/420 sx

9580, 9550, 9503, 9468      Wolf Camp

10350, 10275, 10232, 10188      Wolf Camp

CIBP @ 10605

Cmt Plug 12400-13050  
12591- 601, 12619-24, 12689-97      Morrow

CIBP @ 13140'

Marker Joint @ 13144 & 13750

13196 - 13202

CIBP @ 13750'

13796 - 13810

13898'

TD @ 14000'

**6 1/8" hole**

4 1/2" (P110 - 11.6#) @ 13972' w/435 sx  
TOC @ 8700'