

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

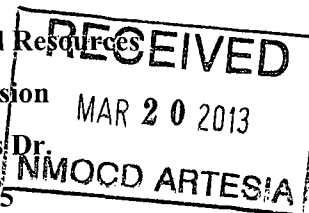
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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 November 14, 2012



☐ AMENDED REPORT

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

^{1.} Operator Name and Address COG Operating LLC One Concho Center, 600 W. Illinois Ave. Midland, TX 79701		^{2.} OGRID Number 229137
		^{3.} API Number 30-15-36460
^{4.} Property Code 37289	^{5.} Property Name Teddy Graham State Com	^{6.} Well No. 1

^{7.} Surface Location									
UL - Lot M	Section 9	Township 26S	Range 28E	Lot Idn	Feet from 660	N/S Line South	Feet From 660	E/W Line West	County 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	
Wildcat; Wolfcamp <i>WC 015 S262814C (GAS)</i>	Pool Name <i>97489</i> Pool Code <i>97489</i>

^{11.} Additional Well Information				
^{11.} Work Type A	^{12.} Well Type G	^{13.} Cable/Rotary R	^{14.} Lease Type S	^{15.} Ground Level Elevation 3345'
^{16.} Multiple N	^{17.} Proposed Depth	^{18.} Formation	^{19.} Contractor	^{20.} 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

^{22.} Casing/Cement Program: Additional Comments
Abandon Morrow, perf up hole, complete in Wolfcamp

^{22.} Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer

^{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 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>[Signature]</i>	
	Title: <i>[Signature]</i>	
	Approved Date: <i>3/22/2013</i>	Expiration Date: <i>3/22/2015</i>
	Conditions of Approval Attached	
Phone: 432-221-0467		

Submit 1 Copy To Appropriate District
Office
District I – (375) 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

WELL API NO. 30-015-36460
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Teddy Graham State Com
8. Well Number 1
9. OGRID Number 229137
10. Pool name or Wildcat Wildcat, Wolfeamp
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3345

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.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
COG Operating LLC

3. Address of Operator
One Concho Center, 600 W. Illinois Ave, Midland, TX 79701

4. Well Location

Unit Letter M : 660 feet from the South line and 660 feet from the West line
Section 9 Township 26S Range 28E NMPM County: Eddy

WC-015 5262814C, WC (675)

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 ½" 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 perfs. 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 ½" 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. Maiorino 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: T. C. Shyward TITLE Geologist DATE 3/22/2013
Conditions of Approval (if any):

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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

¹ API Number 30-015-36460	² Pool Code 97489	³ Pool Name Wildcat; Wolfcamp
⁴ Property Code 308056	⁵ Property Name Teddy Graham State Com	
⁷ OGRID No. 229137	⁸ Operator Name COG Operating LLC	⁶ Well Number 1
		⁹ Elevation 3345'

¹⁰ 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

¹¹ 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

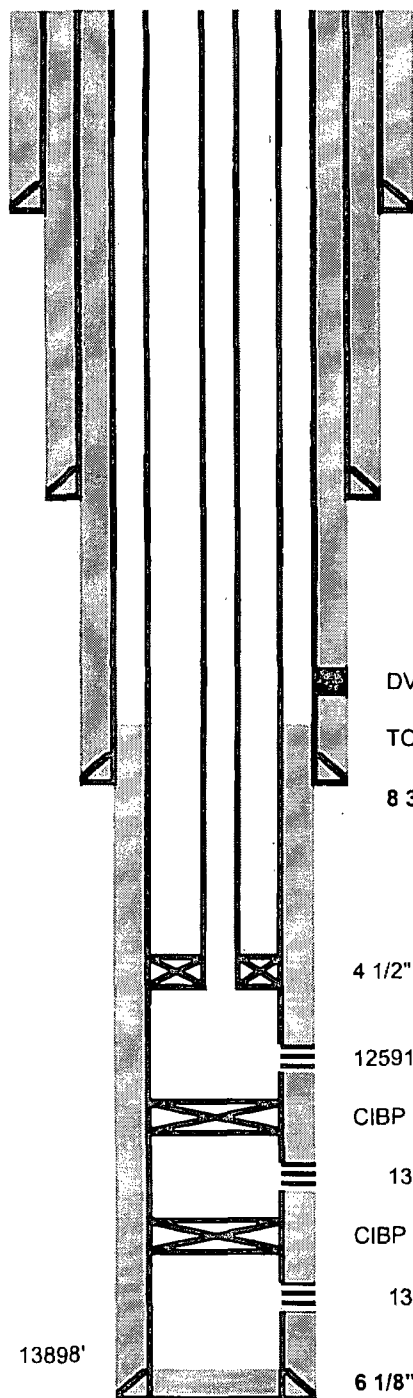
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 	¹⁷ OPERATOR CERTIFICATION <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 Date 3/19/13 Brian Maiorino Printed Name bmaiorino@concho.com E-mail Address			
	¹⁸ SURVEYOR CERTIFICATION <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: Certificate Number			

Author:	Stroup		
Well Name	Teddy Graham	Well No.	#1
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

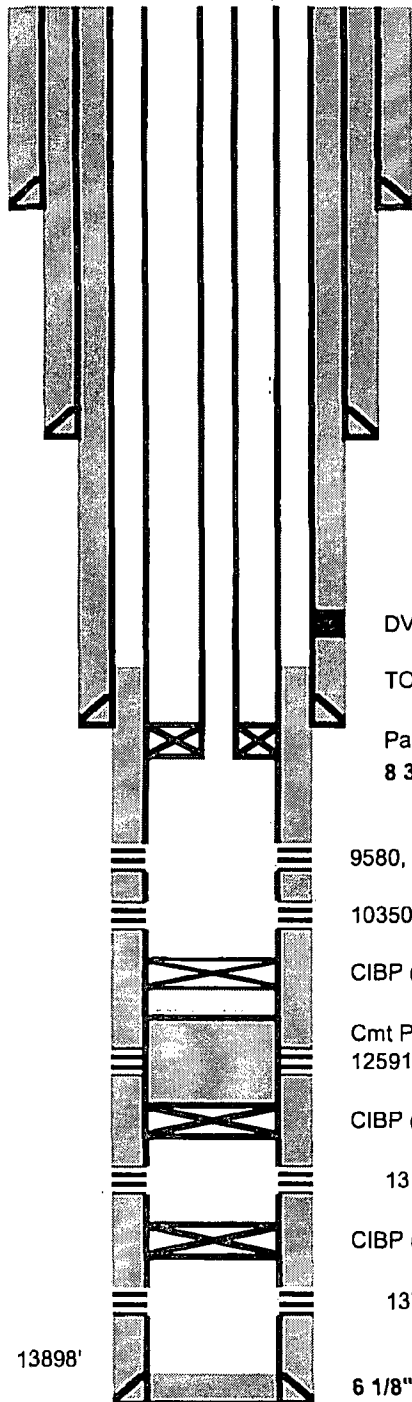
4 1/2" (P110 - 11.6#) @ 13972' w/435 sx
TOC @ 8700'

TD @ 14000'

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

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TOC @ surface

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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

6 1/8" hole

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

13898'

TD @ 14000'