

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

HOBBS OCD
 FEB 23 2018
 RECEIVED

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 025-43891	⁵ Pool Name Gramma Ridge; Bone Spring, West	⁶ Pool Code 28432
⁷ Property Code 318328	⁸ Property Name Tenderloin Federal Com	⁹ Well Number 4H

II. 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	12	22S	33E		655	South	660	West	Lea

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	1	22S	33E	4	213	North	666	West	Lea

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	F	2/9/18			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Alpha Crude Connector Pipeline	O
24650	Targa Midstream Services, LP 1000 Louisiana - Ste 4700 Houston, TX 77002	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
10/1/17	2/6/18	20785' / 10878	20678'	11041-20650'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1610'	1240		
12 1/4"	9 5/8"	5250'	2155		
8 3/4"	5 1/2"	20785'	3530		
	2 7/8"	10193'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
2/9/18	2/9/18	2/14/18	24 Hrs	1850#	2050#
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	280	3060	336	Flowing	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Stormi Davis*

Printed name: Stormi Davis

Title: Regulatory Analyst

E-mail Address: sdavis@concho.com

Date: 2/21/18

Phone: 575-748-6946

OIL CONSERVATION DIVISION

Approved by: *Karen Sharp*

Title: *Staff Mgr*

Approval Date: *3-1-18*

Pending BLM approvals will subsequently be reviewed and scanned

gcp 2-10-17

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS O&G

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

FEB 23 2018

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED

5. Lease Serial No. NMNM17440
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. TENDERLOIN FEDERAL COM 4H
9. API Well No. 30-025-43891
10. Field and Pool or Exploratory Area GRAMA RIDGE; BONE SPRING
11. County or Parish, State LEA COUNTY, NM

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator COG OPERATING LLC Contact: STORMI DAVIS E-Mail: sdavis@concho.com	
3a. Address 2208 WEST MAIN ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-6946
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T22S R33E Mer NMP SWSW 655FSL 660FWL	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Convert to Injection

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

11/6/17 to 11/19/17 Install frac valve and test to 9500#. Good test. Ran CBL. TOC @ 426'. Perf 20703-20713'. Test annulus. Lost pressure. Circ well and POOH.

11/30/17 to 1/25/18 Set CBP @ 20678' and test to 5547#. Test csg to 8515#. Perf 20640-20650' (60). Injection test. Perf 11041-20585' (2728). Acdz w/188,412 gal 7 1/2%; frac w/19,298,995# sand & 17,479,400 gal fluid.

1/26/18 to 1/30/18 Drilled out CFP's. Clean down to CBP @ 20678'.

2/1/18 to 2/4/18 Set 2 7/8" 6.5# L-80 tbg @ 10193' & pkr @ 10176'. Test 5 1/2" x 2 7/8" annulus to 1500#. Good test.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #405159 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs	
Name (Printed/Typed) STORMI DAVIS	Title PREPARER
Signature (Electronic Submission)	Date 02/21/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____

Pending BLM approvals will subsequently be reviewed and scanned

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly a. States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #405159 that would not fit on the form

32. Additional remarks, continued

2/6/18 Began flowing back & testing.

2/9/18 Date of first production.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
FEB 23 2018
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM17440	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC		7. Unit or CA Agreement Name and No.	
Contact: STORMI DAVIS E-Mail: sdavis@concho.com		8. Lease Name and Well No. TENDERLOIN FEDERAL COM 4H	
3. Address 2208 WEST MAIN ARTESIA, NM 88210		9. API Well No. 30-025-43891	
3a. Phone No. (include area code) Ph: 575-748-6946		10. Field and Pool, or Exploratory GRAMA RIDGE; BONE SPRING	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 12 T22S R33E Mer NMP SWSW 655FSL 660FWL At top prod interval reported below Sec 1 T22S R33E Mer NMP At total depth NWNW Lot 4 213FNL 666FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 12 T22S R33E Mer NMP	
12. County or Parish LEA		13. State NM	
14. Date Spudded 10/01/2017		15. Date T.D. Reached 10/26/2017	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/06/2018		17. Elevations (DF, KB, RT, GL)* 3524 GL	
18. Total Depth: MD 20785 TVD 10877		19. Plug Back T.D.: MD 20678 TVD 10877	
20. Depth Bridge Plug Set: MD 20678 TVD 10877		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1610		1240		0	
12.250	9.625 L80	40.0	0	5250	3545	2155		0	
8.750	5.500 P110	17.0	0	20785		3530		426	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	10193	10176						

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11041	20650	11041 TO 20585	0.430	2728	OPEN
B)			20640 TO 20650		60	OPEN
C)			20703 TO 20713		60	UNDER CBP
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11041 TO 20585	SEE ATTACHED

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/09/2018	02/14/2018	24	→	280.0	336.0	3060.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	1850	2050.0	→	280	336	3060		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Pending BLM approvals will subsequently be reviewed and scanned

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
LAMAR	5089	5992		RUSTLER	1626
CHERRY CANYON	5993	7176		TOS	1721
BRUSHY CANYON	7177	8871		BOS	3554
BONE SPRING LM	8872	9987		CAPITAN	3674
1ST BONE SPRING	9988	10559		LAMAR	5089
2ND BONE SPRING	10560	10909		CHERRY CANYON	5993
				BRUSHY CANYON	7177
				BONE SPRING LM	8872

32. Additional remarks (include plugging procedure):

Additional Tops:

1st Bone Spring: 9988'
2nd Bone Spring: 10560'

Survey and Perfs/Stimulation are attached.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #405199 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs**

Name (please print) STORMI DAVIS Title PREPARER

Signature _____ (Electronic Submission) Date 02/21/2018

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

TENDERLOIN FEDERAL COM #4H

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	2478	312929	324912
2	1512	312117	299082
3	3024	312058	309498
4	3024	312451	292404
5	3024	312092	301350
6	3024	312054	295428
7	3024	309425	296016
8	3024	312041	300720
9	3024	311640	290724
10	3024	312041	306306
11	3024	312655	297906
12	3024	312330	289548
13	3024	312503	321468
14	3024	312108	291816
15	3024	312082	284046
16	3024	312104	287910
17	3024	312678	289170
18	3024	312330	284550
19	3024	312151	287742
20	3024	311178	281988
21	3024	312862	292236
22	3024	312088	285474
23	3024	312059	281106
24	3024	312881	281148
25	3024	312235	280560
26	2982	313502	281190
27	3024	312724	278166
28	3024	310791	278082
29	3024	312431	278342
30	3024	312032	276192
31	3024	313057	271908
32	3024	312489	275982
33	3024	312850	276780
34	3024	312640	285978
35	3024	312521	284676
36	3024	312046	270144
37	3024	312234	272916
38	4536	312039	289296
39	3024	313562	272286
40	3024	250200	240618
41	3024	313324	272412
42	3024	312039	274302
43	3024	312937	267330
44	3024	312247	271362
45	3024	312153	270858
46	3024	312106	270312
47	3024	312051	266868
48	3024	312517	262374
49	3024	313365	270438
50	3024	313035	270816
51	3024	307558	273294
52	3024	313007	266406
53	3024	315227	265188
54	4536	312778	309624
55	3024	312050	266070
56	3024	311057	262920
57	3024	312528	263424
58	3024	312680	267666
59	3024	312097	261366
60	3024	312049	261660
61	3024	312005	331632
62	3024	311975	267414
Totals	188,412	19,298,995	17,479,400