

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

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

AMENDED REPORT

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 - 015-42486	⁵ Pool Name WC-015 G-04 S262728A	⁶ Pool Code 98018
⁷ Property Code 313446	⁸ Property Name Horned Owl Federal	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
P	24	26S	26E		390	South	590	East	Eddy

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
P	25	26S	26E		330	South	424	East	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/9/16	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Alpha Crude Connector Pipeline	O
241472	Southern Union Gas Services, Ltd 301 Commerce Street - Ste 700 Fort Worth, TX 76102	G
	NM OIL CONSERVATION ARTESIA DISTRICT MAR 21 2016 RECEIVED	

IV. Well Completion Data

²¹ Spud Date 7/29/15	²² Ready Date 3/8/16	²³ TD 12676' <i>7463</i>	²⁴ PBSD 12620'	²⁵ Perforations 7987-12580'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	353'	400		
12 1/4"	9 5/8"	2040'	750		
8 3/4"	5 1/2"	12670'	2475		
	2 7/8"	7732'			

V. Well Test Data

³¹ Date New Oil 3/9/16	³² Gas Delivery Date 3/9/16	³³ Test Date 3/15/16	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 600#	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 813	³⁹ Water 2210	⁴⁰ Gas 2332	⁴¹ Test Method 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: <i>Stormi Davis</i>	OIL CONSERVATION DIVISION Approved by: <i>JD Daele</i>
Printed name: Stormi Davis	Title: <i>Dist II Supervisor</i>
Title: Regulatory Analyst	Approval Date: <i>3-21-16</i>
E-mail Address: sdavis@concho.com	Pending BLM approvals will subsequently be reviewed and scanned
Date: 3/18/16	
Phone: 575-748-6946	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM114965
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address 2208 WEST MAIN ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-6946		8. Well Name and No. HORNED OWL FEDERAL 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T26S R26E Mer NMP SESE 390FSL 590FEL		9. API Well No. 30-015-42486
		10. Field and Pool, or Exploratory WILDCAT; BONE SPRING
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK 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 type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomplete 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

9/14/15 MIRU. Load & test annulus to 1000#. Set CBP @ 12620'. Test csg to 8240# for 30 mins. Perforate 12570-12580' (60) & perform injection test.

2/22/16 to 2/26/16 Perforate Bone Spring 7987-12400' (1008). Acdz w/85680 gal 7 1/2%; frac w/6287975# sand & 5537070 gal fluid.

3/4/16 to 3/5/16 Drilled out frac plugs. Clean down to CBP @ 12620'.

3/8/16 Set 2 7/8" 6.5# J-55 tbg @ 7732' & pkr @ 6892'.

3/9/16 Began flowing back & testing. Date of 1st production.

NM OIL CONSERVATION
ARTESIA DISTRICT
MAR 21 2016
RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #334151 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad	
Name (Printed/Typed) STORMI DAVIS	Title PREPARER
Signature (Electronic Submission)	Date 03/18/2016

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 *LD*

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

... department or agency of the United

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM114965

1a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Decommission Plug Back Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
COG OPERATING LLC
Contact: STORMI DAVIS
E-Mail: sdavis@concho.com

8. Lease Name and Well No.
HORNED OWL FEDERAL 4H

3. Address 2208 WEST MAIN
ARTESIA, NM 88210

3a. Phone No. (include area code)
Ph: 575-748-6946

9. API Well No.
30-015-42486

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 24 T26S R26E Mer NMP
At surface SESE 390FSL 590FEL
At top prod interval reported below
Sec 25 T26S R26E Mer NMP
At total depth SESE 330FSL 424FEL

10. Field and Pool, or Exploratory
WILDCAT; BONE SPRING

11. Sec., T., R., M., or Block and Survey
or Area Sec 24 T26S R26E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
07/29/2015

15. Date T.D. Reached
08/11/2015

16. Date Completed
 D & A Ready to Prod.
03/08/2016

17. Elevations (DF, KB, RT, GL)*
3394 GL

18. Total Depth: MD 12676
TVD 7463

19. Plug Back T.D.: MD 12620
TVD 7464

20. Depth Bridge Plug Set: MD 12620
TVD 7464

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No 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	353		400		0	
12.250	9.625 J55	36.0	0	2040		750		0	
8.750	5.500 P110	17.0	0	12670		2475		0	

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	7732	6892						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7987	12580	7987 TO 12400	0.430	1008	OPEN
B)			12570 TO 12580		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
7987 TO 12400	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
03/09/2016	03/15/2016	24	→	813.0	2332.0	2210.0			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	
	600		→	813	2332	2210		POW	

28a. Production - Interval B

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	
			→						

Pending BLM approvals will subsequently be reviewed and scanned (P)

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #334156 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	2029	2079		RUSTLER	207
BELL CANYON	2080	2946		TOP OF SALT	347
CHERRY CANYON	2947	4108		BOTTOM OF SALT	1847
BRUSHY CANYON	4109	5650		LAMAR	2029
BONE SPRING LM	5651	6603		BELL CANYON	2080
1ST BONE SPRING	6604	7239		CHERRY CANYON	2947
2ND BONE SPRING	7240	7481		BRUSHY CANYON	4109
				BONE SPRING LM	5651

32. Additional remarks (include plugging procedure):
Surveys & perms/stimulation are attached.

Additional Tops:
1st Bone Spring 6604'
2nd Bone Spring 7240'

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 #334156 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVIS Title PREPARER

Signature _____ (Electronic Submission) Date 03/18/2016

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 ****

HORNED OWL FEDERAL #4H

30-015-42486

Sec 24-T26S-R26E

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
12299-12400	3570	225028	219786
12139-12247	3024	225589	206514
11979-12086	3024	227336	202524
11818-11926	3024	226368	202818
11660-11766	2982	225548	200088
11500-11605	3024	223869	198618
11340-11449	3024	225625	198324
11181-11287	3024	225324	197400
11025-11128	3024	224736	198198
10861-10968	3024	225454	197232
10702-10803	3024	225081	208446
10542-10648	3234	219840	197148
10386-10489	3024	224103	196644
10223-10329	3024	225967	196644
10063-10164	3024	224952	195132
9903-10010	3066	225272	197358
9744-9850	3108	224944	196308
9581-9690	3024	225314	194082
9424-9531	3024	224874	195972
9264-9367	3024	226767	193536
9105-9211	3024	225033	195300
8945-9052	3150	224015	193158
8768-8892	3024	221743	195048
8626-8732	3024	221259	193956
8466-8578	3024	223769	193200
8306-8413	3024	225822	192360
8153-8253	3024	226069	192486
7987-8093	3066	218274	188790
Totals	85680	6287975	5537070