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

NM OIL CONSERVATION
ARTESIA DISTRICT
NOV 01 2017
RECEIVED

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

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
COG Operating LLC One Concho Center 600 W. Illinois Ave. Midland, TX 79701	229137
	[3] Reason for Filing Code/ Effective Date NW Effective 9/08/17

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 015-44100	Burch Keely; Glorieta-Upper, Yeso	97918
[7] Property Code	**[8] Property Name**	**[9] Well Number**
308086	Burch Keely Unit	946H

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
A	23	17S	29E		487	North	342	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
D	23	17S	29E		344	North	30	West	Eddy

[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
P	P	9/08/17			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
	Holly Frontier	O
	Frontier Energy Services	G
	DCP Midstream	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
5/15/17	9/08/17	9885MD 4891TVD	9806	5026 – 9786	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17-1/2	13-3/8	368	400sx
12-1/4	9-5/8	1020	475sx
8-3/4	7	4296	
8-3/4	5-1/2	9875	2150sx
	2-7/8 tbg	5422	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
9/08/17	9/09/17	9/12/17	24hrs	70	70
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
	419	1594	369		P

[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:

Printed name:
Kanicia Castillo

Title:
Lead Regulatory Analyst

E-mail Address:
kcastillo@concho.com

Date: 10/27/17

Phone: 432-685-4332

OIL CONSERVATION DIVISION

Approved by: Raymond W. Podany

Title: Geologist

Approval Date: 11-15-2017

NM OIL CONSERVATION
ARTESIA DISTRICT
NOV 01 2017
RECEIVED

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC028784B

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ 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: KANICIA CASTILLO — E-Mail: kcastillo@concho.com

8. Lease Name and Well No.: BURCH KEELY UNIT 946H

3. Address: 600 W ILLINOIS AVE ONE CONCHO CENTER, MIDLAND, TX 79701

3a. Phone No. (include area code): Ph: 432-685-4332

9. API Well No.: 30-015-44100

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: Lot A 487FNL 342FEL

At top prod interval reported below: Lot A 369FNL 330FEL

At total depth: Lot D 344FNL 30FWL

10. Field and Pool, or Exploratory: BKU;GLORIETA-UPPER YESO

11. Sec., T., R., M., or Block and Survey or Area: Sec 23 T17S R29E Mer NMP

12. County or Parish: EDDY — 13. State: NM

14. Date Spudded: 05/15/2017

15. Date T.D. Reached: 05/25/2017

16. Date Completed: ☐ D & A ☒ Ready to Prod. 09/08/2017

17. Elevations (DF, KB, RT, GL)*: 3602 GL

18. Total Depth: MD 9885 TVD 4891

19. Plug Back T.D.: MD 9806 TVD 4891

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): CN

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J55	40.0		1020		475			
8.750	7.000 L80	29.0		4296					
8.750	5.500 L80	17.0		9875		2150			
17.500	13.375 J55	54.5	0	368		400		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	5422							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5026	9786	5026 TO 9786	0.430	1080	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5026 TO 9786	ACIDIZE W/ 118,944 15% ACID, FRAC W/ 345,030 GALS TREATED WATER, 5,324,970 GALS SLICK WATER,

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
09/08/2017	09/12/2017	24	→	419.0	369.0	1594.0	40.4	0.60	ELECTRIC PUMP SUB-SURFACE

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
		70.0	→	419	369	1594	881	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
			→					

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

ELECTRONIC SUBMISSION #393358 VERIFIED BY THE BLM WELL INFORMATION SYSTE

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

Pending BLM approvals will subsequently be reviewed and scanned

BC 11-16-17

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
TANSILL	902		DOLOMITE	TANSILL	902
QUEEN	1911		SANDSTONE	QUEEN	1911
GRAYBURG	2304		DOLOMITE & ANHYDRITE	GRAYBURG	2304
SAN ANDRES	2609		DOLOMITE & ANHYDRITE	SAN ANDRES	2609
PADDOCK	4168		DOLOMITE	PADDOCK	4168

32. Additional remarks (include plugging procedure):
Logs will be submitted in WIS.
Logs will be mailed to the OCD.

Casing tests:
5/17/17 Test 13-3/8csg to 1900# for 30mins, good test.
5/18/17 Test 12-1/4csg to 1500# for 30mins, good test.

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 #393358 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name *(please print)* KANICIA CASTILLO Title PREPARER

Signature (Electronic Submission) Date 10/27/2017

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 fradulent statements or representations as to any matter within its jurisdiction.

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