

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 One Concho Center 600 W. Illinois Ave. Midland, TX 79701		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW Effective 8/26/17
⁴ API Number 30 - 015-44149	⁵ Pool Name Burch Keely; Glorieta-Upper, Yeso	⁶ Pool Code 97918
⁷ Property Code 308086	⁸ Property Name Burch Keely Unit	⁹ Well Number 964H

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
H	24	17S	29E		1485	North	215	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
H	19	17S	30E		1673	North	10	East	Eddy
¹² Lse Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/26/17	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
	Sentinel	O
	Frontier Energy Services	G
	DCP Midstream NM OIL CONSERVATION ARTESIA DISTRICT OCT 10 2017	G

IV. Well Completion Data

RECEIVED

²¹ Spud Date 6/24/17	²² Ready Date 8/26/17	²³ TD 10341 10314MD 4880TVD	²⁴ PBTB 10,264	²⁵ Perforations 5164 - 10244	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	367	400sx ✓		
12-1/4	9-5/8	1097	500sx ✓		
8-3/4	7	4286	✓		
8-3/4	5-1/2	10,331	2150sx ✓		
	2-7/8 tbg	5169			

V. Well Test Data

³¹ Date New Oil 8/27/17	³² Gas Delivery Date 8/28/17	³³ Test Date 8/31/17	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 416	³⁹ Water 1310	⁴⁰ Gas 620	⁴¹ Test Method 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:
9/28/17

Phone:
432-685-4332

OIL CONSERVATION DIVISION	
Approved by:	
Title:	Geologist.
Approval Date:	10-16-2017
Pending BLM approvals will subsequently be reviewed and scanned	

NM OIL CONSERVATION
 UNITED STATES ARTESIA DISTRICT
 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

OCT 10 2017

5. Lease Serial No.
 NMLC028784A

1a. Type of Well Oil Well Gas Well Dry Other **RECEIVED**

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

2. Name of Operator **COG OPERATING LLC** Contact: **KANICIA CASTILLO**
 E-Mail: **kcastillo@concho.com**

3. Address **600 W ILLINOIS AVE ONE CONCHO CENTER MIDLAND, TX 79701** 3a. Phone No. (include area code) **Ph: 432-685-4332**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 24 T17S R29E Mer NMP Lot H 1485FNL 215FEL 30**
 At top prod interval reported below **Sec 19 T17S R29E Mer NMP 1670FNL 182FEL**
 At total depth **Sec 19 T17S R29E Mer NMP Lot H 1673FNL 10FEL**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. **NMNM88525X**

8. Lease Name and Well No. **BURCH KEELY UNIT 964H**

9. API Well No. **30-015-44149**

10. Field and Pool, or Exploratory **BKU;GLORIET-UPPER YESO**

11. Sec., T., R., M., or Block and Survey or Area **Sec 24 T17S R29E Mer NMP**

12. County or Parish **EDDY** 13. State **NM**

14. Date Spudded **06/24/2017** 15. Date T.D. Reached **07/05/2017** 16. Date Completed D & A Ready to Prod. **08/26/2017**

17. Elevations (DF, KB, RT, GL)* **3621 GL**

18. Total Depth: MD **10314** TVD **4880** 19. Plug Back T.D.: MD **10264** TVD **4880** 20. Depth Bridge Plug Set: MD **MD** TVD **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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J55	40.0		1097		500			
8.750	7.000 L80	29.0		4286					
8.750	5.000 L80	17.0		10331		2150			
17.500	13.375 J55	54.5	0	367		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	5169							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5164	10244	5164 TO 10244	0.430	1152	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
5164 TO 10244	ACIDIZE W/ 127,008 15% ACID, FRAC W/ 361,536 GALS TREATED WATER, 5,743,710 GALS SLICK WATER,

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

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
08/27/2017	08/31/2017	24	▶	416.0	620.0	1310.0	37.6	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	▶	416	620	1310	1490	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 #390242 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OP**

Pending BLM approvals will subsequently be reviewed and scanned

BC 10-16-17

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	938		DOLOMITE	TANSILL	938
QUEEN	1953		SANDSTONE	QUEEN	1953
GRAYBURG	2347		DOLOMITE & ANHYDRITE	GRAYBURG	2347
SAN ANDRES	2673		DOLOMITE & ANHYDRITE	SAN ANDRES	2673
PADDOCK	4167		DOLOMITE	PADDOCK	4167
BLINEBRY	4806			BLINEBRY	4806

32. Additional remarks (include plugging procedure):

Logs will be submitted in WIS.
logs will be mailed to the OCD.

Casing tests:

6/25/17 Test 13-3/8csg to 1600# for 30mins, good test.
6/27/17 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 #390242 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 09/28/2017

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

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

NM OIL CONSERVATION

UNITED STATES ARTESIA DISTRICT
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SEPT 10 2017

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.

5. Lease Serial No.
NMLC028784A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
NMNM88525X

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
BURCH KEELY UNIT 964H

2. Name of Operator
COG OPERATING LLC
Contact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com

9. API Well No.
30-015-44149

3a. Address
600 W ILLINOIS AVE
MIDLAND, TX 79701

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

10. Field and Pool or Exploratory Area
~~DOB~~; GLORIETA-UPPER YESO
BKU

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 24 T17S R29E Mer NMP 1485FNL 215FEL

11. County or Parish, State
EDDY COUNTY, NM

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 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"/> Hydraulic Fracturing	<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 Drilling Operations
	<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 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.

7/08/17 Drilled 6? formation to 10,347 TD.
7/09/17 Spotted 2500 gals acid.
7/21/17 Test production casing to 6131# for 30mins, good test.
7/21/17 - 8/13/17 Perf 32 stages @ 5164 ? 10244 w/6 SPF, 1152 holes. Acidize 32 stages w/127,008 gals 15% HCL. Frac w/361,536 gals treated water, 5,743,710 gals slick water, 1,598,700# 100 mesh sand, 2,893,360# 40/70 white sand, 633,900# 40/70 RSC.
8/22/17 ? 8/24/17 Drill out plugs. Clean out to PBSD 10,264.
8/26/17 RIH w/ESP, 155jts 2-7/8" J55 tbg, EOT @ 5169. Hang on.

14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #389522 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 09/22/2017

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 knowingl States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd

nited

AC 10-16-17

(Instructions on page 2)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
NMNM88525X

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
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Contact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com

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600 W ILLINOIS AVE
MIDLAND, TX 79701

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

10. Field and Pool or Exploratory Area
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4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 24 T17S R29E Mer NMP 1485FNL 215FEL

11. County or Parish, State
EDDY COUNTY, NM

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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 Drilling Operations
	<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	

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6/24/17 Spud 17-1/2? @ 9:00pm.
6/25/17 TD 17-1/2? @ 367?. Ran 9jts 13-3/8? J55 54.5# @367?. Cmt w/400sx C. PD @ 9:19am. Circ 180sxs. WOC 12hrs. Test csg to 790# for 30mins, good test. Test BOP to 250# low to 3000# high for 10 min, good test.
6/26/17 TD 12-1/4? @1097?. Ran 24jts 9-5/8? J55 40# @ 1097?. Cmt w/300sx C lead, 200sxs C tail. PD @ 4:47pm. Circ 148sx to surface. WOC 12hrs. Test BOP to 250# low to 2000# high for 10min, good test.
6/27/17 Test csg to 1500# for 30mins, good test.
6/29/17 TD 8-3/4? vertical hole @ 4298. KOP @ 4298?
7/01/17 TD 8-3/4? curve @ 5348?
7/05/17 TD 8-3/4? lateral @ 10,341?MD, 4880?TVD.
7/06/17 Ran 104 jts 7? L80 LTC 29# @ 4286?, 133jts 5-1/2? L80 LTC 17# @ 10,331?. Cmt w/400sx C

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 16 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #383097 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 07/31/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____
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.

Title Pending BLM approvals will
Of subsequently be reviewed
and scanned

Date _____

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

sc 10-16-17

of the United

Additional data for EC transaction #383097 that would not fit on the form

32. Additional remarks, continued

lead, 1750sx C tail. BP @ 3:07pm. Circ 320sx. RR.