

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. H	Section 24	Township 17S	Range 29E	Lot Idn	Feet from the 1485	North/South Line North	Feet from the 215	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. H	Section 19	Township 17S	Range 30E	Lot Idn	Feet from the 1673	North/South line North	Feet from the 10	East/West line East	County 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	G

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 10 2017

IV. Well Completion Data

²¹ Spud Date 6/24/17	²² Ready Date 8/26/17	²³ TD 10341 10314MD 4880TVD	²⁴ PBTD 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

Approved by:


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
OCT 10 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC028784A

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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			7. Unit or CA Agreement Name and No. NMNM88525X		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. BURCH KEELY UNIT 964H		
3. Address 600 W ILLINOIS AVE ONE CONCHO CENTER MIDLAND, TX 79701			9. API Well No. 30-015-44149		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 24 T17S R29E Mer NMP At surface Lot H 1485FNL 215FEL 30 Sec 19 T17S R29E Mer NMP At top prod interval reported below 1670FNL 182FEL Sec 19 T17S R29E Mer NMP At total depth Lot H 1673FNL 10FEL			10. Field and Pool, or Exploratory BKU;GLORIET-UPPER YESO		
14. Date Spudded 06/24/2017			15. Date T.D. Reached 07/05/2017		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/26/2017			17. Elevations (DF, KB, RT, GL)* 3621 GL		
18. Total Depth: MD TVD 10314 4880		19. Plug Back T.D.: MD TVD 10264 4880		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN			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
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)						

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

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,

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 QUEEN GRAYBURG SAN ANDRES PADDOCK BLINEBRY	938 1953 2347 2673 4167 4806		DOLOMITE SANDSTONE DOLOMITE & ANHYDRITE DOLOMITE & ANHYDRITE DOLOMITE	TANSILL QUEEN GRAYBURG SAN ANDRES PADDOCK BLINEBRY	938 1953 2347 2673 4167 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 CASTILLOTitle 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
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARTESIA DISTRICT
OCT 10 2017FORM 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 27. If Unit or CA/Agreement, Name and/or No.
NMNM88525X

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
BURCH KEELY UNIT 964H2. Name of Operator
COG OPERATING LLCContact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com9. API Well No.
30-015-441493a. Address
600 W ILLINOIS AVE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-685-433210. Field and Pool or Exploratory Area
~~DOOD~~; 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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 recompleate 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 recompleation 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 PBD 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 scannedTitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowing
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd

nited

(Instructions on page 2)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC028784A
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address 600 W ILLINOIS AVE MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No. NMNM88525X
3b. Phone No. (include area code) Ph: 432-685-4332		8. Well Name and No. BURCH KEELY UNIT 964H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T17S R29E Mer NMP 1485FNL 215FEL		9. API Well No. 30-015-44149
		10. Field and Pool or Exploratory Area DODD;GLORIETA-UPPER YESO
		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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
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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 recompleate 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 recompleation 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.

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 _____	Ti Pending BLM approvals will	Date _____
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.	subsequently be reviewed	
	Of and scanned	
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	of the United	

(Instructions on page 2)

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

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.