

District I
1625 N. French Dr., Hobbs, NM 88240
District II
871 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 8/22/16
⁴ API Number 30 - 015-42941	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 938H

II. ¹⁰ Surface Location

UL or lot no. A	Section 18	Township 17S	Range 30E	Lot Idn	Feet from the 500	North/South Line North	Feet from the 297	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. A	Section 13	Township 17S	Range 29E	Lot Idn	Feet from the 340	North/South line North	Feet from the 207	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/22/16	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
33479	Holly Frontier Refining & Marketing LLC	O
221115	Frontier Field Services	G
NM OIL CONSERVATION ARTESIA DISTRICT SEP 06 2016 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 6/04/16	²² Ready Date 8/22/16	²³ TD 10020MD 4870TVD	²⁴ PBDT 9846	²⁵ Perforations 5278 - 9921	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	378	425sx		
12-1/4	9-5/8	1177	550sx		
8-3/4	7	4233	0		
8-3/4	5-1/2	10010	2400sx		
	2-7/8 tbg	5114			

V. Well Test Data

³¹ Date New Oil 8/23/16	³² Gas Delivery Date 8/23/16	³³ Test Date 8/25/16	³⁴ Test Length 24	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 342	³⁹ Water 1743	⁴⁰ Gas 256	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:

9/01/16

Phone:

432-685-4332

OIL CONSERVATION DIVISION

Approved by:



Title:

Bush Oper Spec - Adv

Approval Date:

9-7-16

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.*5. Lease Serial No.
NMLC028784C

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. 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 938H2. Name of Operator
COG OPERATING LLCContact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com9. API Well No.
30-015-429413a. Address
600 W ILLINOIS AVE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-685-433210. Field and Pool, or Exploratory
BKU-GLORIETA-UPPER YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 18 T17S R30E Mer NMP 500FNL 297FEL

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	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 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 shall 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 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.)

7/01/16 Test csg to 4500psi for 15min, good.

7/05/16 Drilled 10' of new formation to 10,020'. Spotted 1500 gals acid.

8/05/16 Pressure test frac valve to 7200#, good test.

8/06/16 - 8/10/16 Perf 26 stages @ 5278 ? 9921 w/6 SPF, 900 holes. Acidize 26 stages w/103,2150 gals 15% HCL. Frac w/281,358 gals treated water, 2,697,037 gals slick water, 1,624,840# 100 mesh sand, 2,493,657# 40/70 Arizona sand, 534,834# 40/70 CRC.

8/17/16 ? 8/19/16 Drill out plugs. Clean out to PBD 98467.

8/22/16 RIH w/ESP, 147jts 2-7/8" J55 tbg, EOT @ 5114. Hang on.

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 06 2016

RECEIVED

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

Electronic Submission #349793 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 09/01/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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.

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

Pending BLM approvals will
subsequently be reviewed
and scanned**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 06 2016

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMLC028784C

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			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)* Sec 18 T17S R30E Mer NMP At surface 500FNL 297FEL Sec 18 T17S R30E Mer NMP At top prod interval reported below 330FNL 382FEL Sec 13 T17S R29E Mer NMP At total depth 340FNL 207FEL			8. Lease Name and Well No. BURCH KEELLY UNIT 938H		
14. Date Spudded 06/04/2016			15. Date T.D. Reached 06/16/2016		9. API Well No. 30-015-42941
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/22/2016			10. Field and Pool, or Exploratory BKU-GLORIETA UPPER YESO		
18. Total Depth: MD 10020 TVD 4870			19. Plug Back T.D.: MD 9846 TVD		11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R30E Mer NMP
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)		
12. County or Parish EDDY					
13. State NM					
17. Elevations (DF, KB, RT, GL)* 3658 GL					

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		1177		550			
8.750	7.000 L80	29.0		4233					
8.750	5.000 L80	17.0		10010		2400			
17.500	13.375 J55	54.5	0	378		425		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	5114							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5278	9921	5278 TO 9921	0.430	900	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5278 TO 9921	ACIDIZE W/ 103,215 GALS 15% ACID, FRAC W/ 281,358 GALS TREATED WATER, 2,697,037 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
08/23/2016	08/25/2016	24	→	342.0	256.0	1743.0	39.3	0.60	ELECTRIC PUMP
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI		70.0	→	342	256	1743	749		

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
SI			→				

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #349806 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
TANSIL	1049		SALT	TANSIL	1049
YATES	1152		SANDSTONE	YATES	1152
GRAYBURG	2462		SANDSTONE & DOLOMITE	GRAYBURG	2462
SAN ANDRES	2762		DOLOMITE & LIMESTONE	SAN ANDRES	2762
GLORIETA	4214		SANDSTONE	GLORIETA	4214
PADDOCK	4295		DOLOMITE & ANHYDRITE	PADDOCK	4295
BLINEBRY	4834		DOLOMITE & ANHYDRITE	BLINEBRY	4834

32. Additional remarks (include plugging procedure):
Logs will be sent via WIS.

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 #349806 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 09/01/2016

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.

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