

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

Form C-104
Revised August 1, 2011

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

Approved by: _____
Date: 8-31-16
Copy to appropriate District Office

RECEIVED

☐ 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 8/5/16
⁴ API Number 30 - 015-42759	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 937H

II. ¹⁰ Surface Location

UL or lot no. M	Section 13	Township 17S	Range 29E	Lot Idn	Feet from the 330	North/South Line South	Feet from the 200	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. M	Section 18	Township 17S	Range 30E	Lot Idn	Feet from the 348	North/South line South	Feet from the 330	East/West line West	County Eddy
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¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/5/16	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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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
36785	DCP Midstream	G

IV. Well Completion Data

²¹ Spud Date 5/16/16	²² Ready Date 8/5/16	²³ TD 10390MD 4871TVD	²⁴ PBTB 10312	²⁵ Perforations 5191 - 10292	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	1050	650sx		
8-3/4	7	4253	0		
8-3/4	5-1/2	10380	2000sx		
	2-7/8 tbg	5039			

V. Well Test Data

³¹ Date New Oil 8/6/16	³² Gas Delivery Date 8/6/16	³³ Test Date 8/9/16	³⁴ Test Length 24	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 442	³⁹ Water 989	⁴⁰ Gas 292		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:

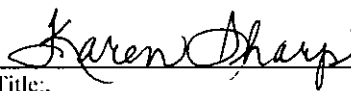
8/24/16

Phone:

432-685-4332

OIL CONSERVATION DIVISION

Approved by:



Title:

Bus Oper Spec Adv

Approval Date:

8-31-16

Pending BLM approvals will subsequently be reviewed and scanned

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.

5. Lease Serial No.
NMLC028793A

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 ☐ Other

8. Well Name and No.
BURCH KEELY UNIT 937H

2. Name of Operator
COG OPERATING LLC

Contact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com

9. API Well No.
30-015-42759

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
BKU-GLORIETA-UPPER YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 13 T17S R29E Mer NMP 330FSL 200FWL

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.)

6/27/16 Test csg to 4500psi for 15min, good.
6/29/16 Drilled 10' of new formation to 10,390. Spotted 500 gals acid.
7/01/16 Pressure test frac valve to 7200#, good test.
7/05/16 - 7/24/16 Perf 23 stages @ 5191 ? 10,292 w/6 SPF, 828 holes. Acidize 23 stages w/90,888 gals 15% HCL. Frac w/300,846 gals treated water, 1,971,794 gals FR water, 1,375,180# 100 mesh sand, 1,906,500# 40/70 white sand, 460,640# 40/70 CRC.
8/01/16 ? 8/03/16 Drill out plugs. Clean out to PBD 10,312.
8/05/16 RIH w/ESP, 146jts 2-7/8" J55 tbg, EOT @ 5039. Hang on.

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 29 2016

RECEIVED

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

Electronic Submission #348866 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 08/24/2016

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

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 knowingly States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

... make to any department or agency of the United

**** 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

AUG 29 2016

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

5. Lease Serial No.
NMLC028793A

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 937H

9. API Well No.
30-015-42759

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

11. Sec., T., R., M., or Block and Survey
or Area Sec 13 T17S R29E Mer NMP

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3610 GL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

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)*
Sec 13 T17S R29E Mer NMP
At surface 330FSL 200FWL
Sec 13 T17S R29E Mer NMP
At top prod interval reported below 333FSL 330FWL
Sec 18 T17S R30E Mer NMP
At total depth 348FSL 465FWL

14. Date Spudded
05/19/2016

15. Date T.D. Reached
06/02/2016

16. Date Completed
☐ D & A ☒ Ready to Prod.
08/05/2016

18. Total Depth: MD 10390
TVD 4871

19. Plug Back T.D.: MD 10312
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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		1050		650			
8.750	7.000 L80	29.0		4253					
8.750	5.000 L80	17.0		10380		2000			
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	5039							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5191	10292	5191 TO 10292	0.430	828	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5191 TO 10292	ACIDIZE W/ 90,888 15% ACID, FRAC W/ 300,846 GALS TREATED WATER, 1,971,794 FR 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
08/06/2016	08/09/2016	24	→	442.0	292.0	989.0	40.4	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI		70.0	→	442	292	989	660	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

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

ELECTRONIC SUBMISSION #348912 VERIFIED BY THE BLM WELL INFORMATION

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTEL

Pending BLM approvals will
subsequently be reviewed
and scanned

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	895		SALT	TANSIL	895
YATES	1002		SANDSTONE	YATES	1002
GRAYBURG	2294		SANDSTONE & DOLOMITE	SAN ANDRES	2593
SAN ANDRES	2593		DOLOMITE & LIMESTONE	GLORIETA	4028
GLORIETA	4028		SANDSTONE	PADDOCK	4091
PADDOCK	4091		DOLOMITE & ANHYDRITE	BLINEBRY	4733
BLINEBRY	4733		DOLOMITE & ANHYDRITE		

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 #348912 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 08/24/2016

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 ****