

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 7/16/17
⁴ API Number 30 - 015-44080	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 940H

II. ¹⁰ Surface Location

Ul or lot no. H	Section 13	Township 17S	Range 29E	Lot Idn	Feet from the 1650	North/South Line North	Feet from the 195	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. H	Section 18	Township 17S	Range 30E	Lot Idn	Feet from the 1670	North/South line North	Feet from the 220	East/West line East	County Eddy
¹² Lse Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date 7/16/17	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
	Holly Frontier	O
	DCP Midstream	G
	Frontier Energy Services NM OIL CONSERVATION ARTESIA DISTRICT AUG 30 2017	G

IV. Well Completion Data

RECEIVED

²¹ Spud Date 5/01/17	²² Ready Date 7/16/17	9980 TD MD 4867TVD	²⁴ PBTB 9901	²⁵ Perforations 5100 - 9860	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	332	1000sx		
12-1/4	9-5/8	1144	475sx		
8-3/4	7	4286			
8-3/4	5-1/2	9970	2100sx		
	2-7/8 tbg	5383			

V. Well Test Data

³¹ Date New Oil 7/18/17	³² Gas Delivery Date 7/18/17	³³ Test Date 7/21/17	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 400	³⁹ Water 1645	⁴⁰ Gas 205		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

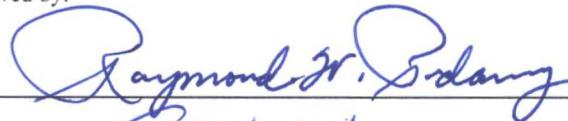
E-mail Address:
kcastillo@concho.com

Date:
8/21/17

Phone:
432-685-4332

OIL CONSERVATION DIVISION

Approved by:



Title:

Geologist.

Approval Date:

9-11-2017

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 30 2017

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

WELL COMPLETION OR RECOMPLETION REPORT

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.		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. BURCH KEELY UNIT 940H		
3. Address 600 W ILLINOIS AVE ONE CONCHO CENTER MIDLAND, TX 79701			9. API Well No. 30-015-44080		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 13 T17S R29E Mer NMP At surface Lot H 1650FNL 195FEL Sec 18 T17S R30E Mer NMP At top prod interval reported below 1661FNL 330FWL Sec 18 T17S R30E Mer NMP At total depth Lot H 1670FNL 220FEL			10. Field and Pool, or Exploratory BK;GLORIETA-UPPER YESO		
14. Date Spudded 02/21/2017			15. Date T.D. Reached 02/11/2017		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/19/2017			17. Elevations (DF, KB, RT, GL)* 3569 GL		
18. Total Depth: MD 9980 9430 TVD 4867 4821			19. Plug Back T.D.: MD 9350 TVD 9901		
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		1144		475			
8.750	7.000 L80	29.0		4286					
8.750	5.500 L80	17.0		9970		2100			
17.500	13.375 J55	54.5	0	332		1000		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	5383							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5100	9860	5100 TO 9860	0.430	1080	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5100 TO 9860	ACIDIZE W/ 118,440 15% ACID, FRAC W/ 338,352 GALS TREATED WATER, 9,240,882 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
07/18/2017	07/21/2017	24	→	400.0	205.0	1645.0	38.6	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	→	400	205	1645	513	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 #386320 VERIFIED BY THE BLM WELL INFORMATION S
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

Pending BLM approvals will subsequently be reviewed and scanned

SC 9-12-17

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
RUSTLER QUEEN GRAYBURG SAN ANDRES PADDOCK	256 1984 2354 2682 4179		SANDSTONE DOLOMITE & ANHYDRITE DOLOMITE & ANHYDRITE DOLOMITE	RUSTLER QUEEN GRAYBURG SAN ANDRES PADDOCK	256 1984 2354 2682 4179

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

OCD logs will be mailed.

5/3/17 Pressure test 13-3/8 casing to 1900psi for 30min, good test.

5/4/17 Pressure test 9-5/8 casing to 1500psi for 30min, 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 #386320 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 08/28/2017

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 ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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. NMLC028784C
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 W ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	8. Well Name and No. BURCH KEELY UNIT 940H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T17S R29E Mer NMP 1650FNL 195FEL		9. API Well No. 30-015-44080
		10. Field and Pool or Exploratory Area BK;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
	<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 recompletion 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.

5/23/17 Drilled 10' of new formation from to 9980 new TD. Circ clean. Acidize w/2500 gals acid.
5/24/17 Pressure test frac valve to 7500#, good test.
6/06/17 Test csg to 6227psi for 30min, good test.
6/06/17 ? 7/02/17 Perf 30 stages @ 5100 ? 9860 w/6 SPF, 1080 holes. Acidize 30 stages w/118,440 gals 15% HCL. Frac w/338,352 gals treated water, 9,240,882 gals slick water, 3,004,020# 100 mesh sand, 5,415,900# 40/70 white sand, 1,165,520# 40/70 RCS.
7/10/17 ? 7/12/17 Drill out plugs. Clean out to PBTD 9901.
7/16/17 RIH w/ESP, 162jts 2-7/8" J55 tbg, EOT @ 5383. Hang on.

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 30 2017
RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #384233 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 08/09/2017

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.		Office _____

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

(Instructions on page 2)

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

Pending BLM approvals will subsequently be reviewed and scanned

SC 9-12-17