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Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 06 2018
Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
DISTRICT II-ARTESIA O.C.D.

5. Lease Serial No.
NMLC028784A

1a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM88525X

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

8. Lease Name and Well No.
BURCH KEELY UNIT 942H

3. Address 600 W ILLINOIS AVENUE
MIDLAND, TX 79701

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

9. API Well No.
30-015-44081-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 13 T17S R29E Mer NMP
At surface Lot I 2285FSL 230FEL 32.833561 N Lat, 104.020409 W Lon
Sec 18 T17S R30E Mer NMP
At top prod interval reported below Lot L 2245FSL 330FWL
Sec 18 T17S R30E Mer NMP
At total depth Lot I 2298FSL 220FEL 32.833637 N Lat, 104.003822 W Lon

10. Field and Pool, or Exploratory
BURCH KEELY-GLORIETA-UPPER YES

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

14. Date Spudded
04/02/2017

15. Date T.D. Reached
04/14/2017

16. Date Completed
 D & A Ready to Prod.
07/15/2017

17. Elevations (DF, KB, RT, GL)*
3635 GL

18. Total Depth: MD 9956
TVD 4868

19. Plug Back T.D.: MD 9891
TVD 4868

20. Depth Bridge Plug Set: MD
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
17.500	13.375 J55	54.5	0	332		1000		0	
12.250	9.625 J55	40.0	0	1166		425		0	
8.750	7.000 L80	29.0	0	4262					
8.750	5.000 L80	17.0	4262	9956		1950		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	5420							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			5082 TO 9847	0.430	1008	OPEN - GL-Yeso
B) YESO	5082	9847				
C)						
D)						

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

Depth Interval	Amount and Type of Material
5082 TO 9847	ACIDIZE W/ 121,172 15% ACID, FRAC W/ 372,918 GALS TREATED WATER, 9,806,958 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
07/16/2017	07/19/2017	24	→	283.0	434.0	948.0	39.3	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	→	283	434	948	1534	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
07/16/2017	07/19/2017	24	→	283.0	434.0	948.0	39.3	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	→	283	434	948	1533	POW	

ACCEPTED FOR RECORD
JUN 29 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #384139 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

Reclamation Due: 1/15/2018

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	1966
QUEEN	1966		SANDSTONE	GRAYBURG	2363
GRAYBURG	2363		DOLOMITE & ANHYDRITE	SAN ANDRES	2671
SAN ANDRES	2671		DOLOMITE & ANHYDRITE	PADDOCK	4147
PADDOCK	4147		DOLOMITE	BLINEBRY	4689
BLINEBRY	4689		DOLOMITE		

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

OCD logs will be mailed.

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 #384139 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad
 Committed to AFMSS for processing by DUNCAN WHITLOCK on 09/12/2017 (17DW0116SE)

Name (please print) KANICIA CASTILLO Title PREPARER

Signature _____ (Electronic Submission) Date 08/08/2017

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.

**** REVISED ** REVISED ****

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44081	² Pool Code 97918	³ Pool Name Burch Keely; Glorieta - Upper Yeso
⁴ Property Code 308086	⁵ Property Name BURCH KEELY UNIT	
⁷ OGRID No. 229137	⁸ Operator Name COG OPERATING, LLC	⁶ Well Number 942H ⁹ Elevation 3635'

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
I	13	17-S	29-E		2285	SOUTH	230	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	18	17-S	30-E		2298	SOUTH	220	EAST	EDDY

¹² Dedicated Acres 157.39	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> 8/8/17 Signature Date</p> <p>Kancia Castillo Printed Name</p> <p>kcastillo@concho.com E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>7/8/13 Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor</p> <p>19680 Certificate Number</p>



CORNER DATA
NAD 83 GRID - NM EAST

- A: FND 1" STEEL PIPE W/1/2" RBR INSIDE
N 664828.6 - E 632407.9
- B: FND 1 1/2" STL PIPE BENT OVER
W/BRASS CAP BROKE OFF
N 667466.5 - E 632401.1
- C: FND USGLO BRASS CAP 1914
N 670105.4 - E 632395.3
- D: FND USGLO BRASS CAP 1914
N 670111.9 - E 635036.0
- E: FND USGLO BRASS CAP 1914
N 670118.1 - E 637673.2
- F: FND USGLO BRASS CAP 1914
N 667480.8 - E 637682.3

GEODETIC DATA
NAD 83 GRID - NM EAST

- G: FND USGLO BRASS CAP 1914
N 664840.4 - E 637685.9
- H: FND USGLO BRASS CAP 1916
N 670128.3 - E 640226.3
- I: FND USGLO BRASS CAP 1916
N 670140.1 - E 642866.3
- J: FND USGLO BRASS CAP 1916
N 667500.6 - E 642875.3
- K: FND USGLO BRASS CAP 1916
N 664860.0 - E 642884.4
- L: FND BLM BRASS CAP 1997
N 664849.8 - E 640242.9

SURFACE LOCATION
N 667124.4 - E 637453.0

LAT: 32.83356011' N
LONG: 104.02040784' W

BOTTOM LOCATION
N 667168.1 - E 642546.6

LAT: 32.83363756' N
LONG: 104.00382457' W