

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 West Illinois Ave. Midland, TX 79701		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW Effective 5/12/16
⁴ API Number 30 - 015-41139	⁵ Pool Name Loco Hills; Glorieta-Yeso	⁶ Pool Code 96718 -
⁷ Property Code 302483	⁸ Property Name Electra Federal	⁹ Well Number 101H

II. 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
A	10	17S	30E		660	North	330	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	10	17S	30E		671	North	360	West	Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 5/12/16	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
278421	HollyFrontier Refining & Marketing LLC	O
36785	dep Midstream	G
NM OIL CONSERVATION ARTESIA DISTRICT MAY 23 2016		

RECEIVED

IV. Well Completion Data

²¹ Spud Date 3/2/16	²² Ready Date 5/12/16	²³ TD 10,098MD 5363TVD	²⁴ PBTB 10,001	²⁵ Perforations 5625 - 9991	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	379	1200sx		
12-1/4	9-5/8	1320	550sx		
8-3/4	7	4828	2350sx		
8-3/4	5-1/2	10,078	0		
	2-7/8 tbg	4805			

V. Well Test Data

³¹ Date New Oil 5/12/16	³² Gas Delivery Date 5/12/16	³³ Test Date 5/15/16	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 174	³⁹ Water 1816	⁴⁰ Gas 272		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:

Chasity Jackson

Printed name:

Chasity Jackson

Title:

Regulatory Analyst

E-mail Address:

cjackson@concho.com

Date:

5/19/16

Phone:

432-686-3087

OIL CONSERVATION DIVISION

Approved by:

Karen Sharp

Title:

Bus Op Spec-Adv

Approval Date:

5-26-16

Pending BLM approvals will
subsequently be reviewed
and scanned

FS
5/26/16

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.
NMNM0467931

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
ELECTRA FEDERAL 101H2. Name of Operator
COG OPERATING LLCContact: CHASITY JACKSON
E-Mail: cjackson@concho.com9. API Well No.
30-015-411393a. Address
ONE CONCHO CENTER 600 W. ILLINOIS AVE.
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-686-308710. Field and Pool, or Exploratory
LOCO HILLS

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

Sec 10 T17S R30E Mer NMP NENE 660FNL 330FEL

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			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drilling Operations
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

3/17/16 Test 7 & 5-1/2 csg to 4300# for 25min. Held.

3/21/16 Drill out cmt 20' OH, new TD @ 10,098.

4/23/16 Spotted 2000 gals acid. Set plug @ 10,001. Test csg to 6129# for 30min.

4/28/16 Perf 19 stages @ 5625 - 9991 w/6 SPF, 684 holes. Acidize 19 stages w/75,106 gals 15% HCL.

Frac w/3,425,390 gals FW, 222,096 gals treated water, 1,584,964# 20/40 Ottawa sand, 393,613# 20/40

CRC, 1,130,075# 100 Mesh.

5/10/16 Drill out plugs. Clean out to PBDT 10,001.

5/12/16 RIH w/138jts 2-7/8" J55 6.5# tbgs, ESP @ 4608, EOT @ 4805. Hang well on.

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 23 2016**RECEIVED**

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

**Electronic Submission #339813 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 05/19/2016

THIS SPACE FOR FEDERAL OR STATE OFFICIAL 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 scanned

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.

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

ARIZONA DISTRICT
MAY 23 2016

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM0467931

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. ELECTRA FEDERAL 101H		
3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701			9. API Well No. 30-015-41139		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE 660FNL 330FEL At top prod interval reported below NENE 660FNL 330FEL At total depth NWNW 671FNL 360FWL			10. Field and Pool, or Exploratory LOCO HILLS		
14. Date Spudded 03/02/2016			15. Date T.D. Reached 03/13/2016		
16. Date Completed ☐ D & A ☒ Ready to Prod. 05/12/2016			17. Elevations (DF, KB, RT, GL)* 3729 GL		
18. Total Depth: MD TVD		10098 5363	19. Plug Back T.D.: MD TVD		10001 5403
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON LOG			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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5		379		1200			
12.250	9.625 J55	40.0		1320		550			
8.500	7.000 L80	29.0		4828		2350			
8.500	5.500 L80	17.0	4828	10078					

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	4805							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5625	9991	5625 TO 9991	0.430	684	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5625 TO 9991	ACIDIZE W/75,106 GALS 15% HCL. FRAC W/3,425,390 GALS FRESH WATER, 222,096 GALS TREATED WATER,
5625 TO 9991	1,130,075# 100 MESH, 1,584,964# 40/70 OTTAWA SAND, 393,613# 40/70 CRC.

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
05/12/2016	05/15/2016	24	→	174.0	272.0	1816.0	37.2	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→	174	272	1816	1563	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
			—▶					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			—▶					

Pending BCL
subsequently be reviewed
and scanned

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #339821 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Date 05/19/2016

THE PREPARER

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (full set req'd.)
2. Core Analysis
3. Directional Survey
4. DST Report
5. Sundry Notice for plugging and cement verification
6. Other:

32. Additional test Log Mailed.

37. Additional remarks (include plugging procedure):

Top	Meas. Depth	Name	Descriptions, Contents, etc.	Bottom	Top	Formation
345	4571	RUSTLER TANSIL YATES QUEEN GRAYBURG SAN ANDRES GLORIETA PADDOCK	ANHYDRITE LIMESTONE & DOLOMITE SANDSTONE SANDSTONE & DOLOMITE SANDSTONE & DOLOMITE DOLOMITE & LIMESTONE SANDSTONE	345 1296 1401 2315 2736 3041 4506 4571		RUSTLER TANSIL YATES QUEEN GRAYBURG SAN ANDRES GLORIETA PADDOCK

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

30. Summary of Porous Zones (include Aquifers):	31. Formation (Log) Markers
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SOLD

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Choke		Flow	SI	Csg. Press.		24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
Produce First	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity (Corr. API)	Gas Gravity	Production Method			

28c. Production - interval D

Product	Test Date	Test Hours	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Ratio	Well Status
Produce First								
Shoke								

28b. Production - Interval C