

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 2/5/16
⁴ API Number 30 - 015 - 41617	⁵ Pool Name Empire; Glorieta Yeso, East	⁶ Pool Code 96610
⁷ Property Code 40088	⁸ Property Name Sam Adams 12 Federal Com	⁹ Well Number 13H

II. ¹⁰ Surface Location

UL or lot no. E	Section 12	Township 17S	Range 29E	Lot Idn	Feet from the 1650	North/South Line North	Feet from the 230	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. H	Section 12	Township 17S	Range 29E	Lot Idn	Feet from the 1664	North/South line North	Feet from the 371	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2/5/16	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
221115	Frontier Field Services	G
NM OIL CONSERVATION ARTESIA DISTRICT MAR 14 2016 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 12/21/15	²² Ready Date 2/5/16	²³ TD 8981MD 4275TVD	²⁴ PBDT 8890	²⁵ Perforations 4560 - 8877	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	262	450sx		
12-1/4	9-5/8	1065	550sx		
8-3/4	7	3736	2400sx		
8-3/4	5-1/2	8967			
	2-7/8tbg	3794			

V. Well Test Data

³¹ Date New Oil 2/14/16	³² Gas Delivery Date 2/14/16	³³ Test Date 2/17/16	³⁴ Test Length 24	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 100	³⁹ Water 1909	⁴⁰ Gas 67		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:

C Jackson

Printed name:

Chasity Jackson

Title:

Regulatory Analyst

E-mail Address:

cjackson@concho.com

Date:

3/5/16

Phone:

432-686-3087

OIL CONSERVATION DIVISION

Approved by:

RD Wade

Title:

Dist II Super

Approval Date:

3-16-16

Pending BLM approvals will
subsequently be reviewed
and scanned *LDO*

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.
NMNM7752

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
SAM ADAMS 12 FEDERAL COM 13H9. API Well No.
30-015-4161710. Field and Pool, or Exploratory
EMPIRE;GLORIETA-YESO, E

11. County or Parish, and State

EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

COG OPERATING LLC

Contact: CHASITY JACKSON

E-Mail: cjackson@concho.com

3a. Address

ONE CONCHO CENTER 600 W. ILLINOIS AVE.
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-686-3087

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

Sec 12 T17S R29E Mer NMP SWNW 1664FSL 371FEL

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 recompletion 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.)

1/15/16 Test 9-5/8" & 7" csg to 4500psi for 15min. Drill additional feet of OH from TD 8967 to new TD 8981.

1/19/16 Spotted 2000 gals acid. Set CBP @ 8897. Pressure test csg to 6109# for 30 min.

1/25/16 Perf 19 stages @ 4560 - 8877 w/6 SPF, 684 holes. Acidize 19 stages w/76,756 gals 15% HCL.

Frac w/168,252 gals WaterFrac R3, 1,954,520 gals WaterFrac R11, 204,188 gals treated water,

1,452,570 gals FR water, 1,605,357# 40/70 ottawa sand, 378,312# 40/70 CRC, 1,148,645# 100 Mesh.

1/29/16 RU flowback equipment.

2/3/16 Drill out plugs. Clean out to PBTD 8890.

2/5/16 RIH w/109jts 2-7/8" J55 6.5# tbg, ESP @ 3627, EOT @ 3794. Turn over to production.

NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 14 2016

RECEIVED

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

**Electronic Submission #333007 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 03/07/2016

THIS SPACE FOR FEDERAL OR STATE OFF

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 *LD*

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 ****

NM OIL CONSERVATION

ARTISTA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 14 2016

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

5. Lease Serial No.
NMNM7752

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.

2. Name of Operator
COG OPERATING LLC

Contact: CHASITY JACKSON
E-Mail: cjackson@concho.com

8. Lease Name and Well No.
SAM ADAMS 12 FEDERAL COM 13H

3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE
MIDLAND, TX 79701

3a. Phone No. (include area code)
Ph: 432-686-3087

9. API Well No.
30-015-41617

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWNW 1650FNL 230FEL

At top prod interval reported below SWNW 1650FNL 230FEL

At total depth SENE 1664FNL 371FWL

10. Field and Pool, or Exploratory
EMPIRE; GLORIETA-YESO, E

11. Sec., T., R., M., or Block and Survey
or Area Sec 12 T17S R29E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
12/21/2015

15. Date T.D. Reached
01/05/2016

16. Date Completed
☐ D & A ☒ Ready to Prod.
02/05/2016

17. Elevations (DF, KB, RT, GL)*
3652 GL

18. Total Depth: MD 8981
TVD 4275

19. Plug Back T.D.: MD 8890
TVD 8890

20. Depth Bridge Plug Set: MD
TVD

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 Cementer Depth	No. of Skcs. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5		262		450			
12.250	9.625 J55	40.0		1065		550			
8.750	7.000 L80	29.0		3736		2400			
8.750	5.500 L80	17.0	3736	8967					

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	3794							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4560	8877	4560 TO 8877	0.430	684	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4560 TO 8877	ACIDIZE W/76,756 GALS 15% HCL. FRAC W/1,452,570 GALS FR WATER, 204,188 GALS TREATED WATER,
4560 TO 8877	2,122,772 GALS WATER FRAC, 1,605,357# 40/70 OTTAWA SAND, 378,312# 40/70 CRC, 1,148,645# 100 MESH.

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
02/13/2016	02/17/2016	24	→	100.0	67.0	1909.0	37.4	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	
			→	100	67	1909	670	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 BLM approvals will subsequently be reviewed and scanned (22)

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

ELECTRONIC SUBMISSION #333012 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
TANSILL	964		LIMESTONE & DOLOMITE	TANSILL	964
YATES	1073		LIMESTONE & DOLOMITE	YATES	1073
SEVEN RIVERS	1352			SEVEN RIVERS	1352
QUEEN	1952		SANDSTONE & DOLOMITE	QUEEN	1952
GRAYBURG	2358		SANDSTONE & DOLOMITE	GRAYBURG	2358
SAN ANDRES	2651		DOLOMITE & LIMESTONE	SAN ANDRES	2651

32. Additional remarks (include plugging procedure):
Log 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 #333012 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 03/07/2016

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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