

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 12/04/17
⁴ API Number 30 - 015-44297	⁵ Pool Name Empire; Glorieta-Yeso	⁶ Pool Code 96210
⁷ Property Code 318325	⁸ Property Name Malco 23 Federal Com	⁹ Well Number 13H

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
C	23	17S	28E		125	North	1543	West	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
N	23	17S	28E		24	South	1658	West	Eddy

¹² Lse Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date 12/4/17	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
	Holly Frontier	O
	DCP Midstream NM OIL CONSERVATION ARTESIA DISTRICT FEB 06 2018	G
	RECEIVED	

IV. Well Completion Data

²¹ Spud Date 10/19/17	²² Ready Date 12/04/17	²³ TD 8701/3688 TVD	²⁴ PBDT 8710 8617	²⁵ Perforations 3997 - 8597	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	210	400sx		
12-1/4	9-5/8	1244	500sx		
8-3/4	7	3108		✓	
8-3/4	5-1/2	8681	2000sx	✓	
	2-7/8 tbg	4212			

V. Well Test Data

³¹ Date New Oil 12/16/17	³² Gas Delivery Date 12/19/17	³³ Test Date 12/23/17	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 70	³⁶ Csg. Pressure 70
³⁷ Choke Size	³⁸ Oil 108	³⁹ Water 2246	⁴⁰ Gas 74		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:

K-C

Printed name:
Kania Castillo

Title:
Lead Regulatory Analyst

E-mail Address:
kcastillo@concho.com

Date:
02/05/18

Phone:
432-685-4332

OIL CONSERVATION DIVISION

Approved by:

Raymond W. Jodan

Title:

Geologist

Approval Date:

2-23-2018

Pending BLM approvals will
subsequently be reviewed
and scanned

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 06 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMNM01510

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

8. Lease Name and Well No.
MALCO 23 FEDERAL COM 13H

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

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

9. API Well No.
30-015-44297

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

At surface Lot C 125FNL 1543FWL

At top prod interval reported below Lot C 693FNL 1637FWL

At total depth Lot N 24FSL 1658FWL

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

11. Sec., T., R., M., or Block and Survey
or Area Sec 23 T17S R28E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
10/19/2017

15. Date T.D. Reached
10/28/2017

16. Date Completed
☐ D & A ☒ Ready to Prod.
11/04/2017 12/4/2017

17. Elevations (DF, KB, RT, GL)*
3621 GL

18. Total Depth. MD 8701
TVD 3688

19. Plug Back T.D.
MD 8716
TVD 3688

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
12 250	9 625 J55	40 0		1244		500			
8 750	7 000 L80	29 0		3108					
8 750	5 000 L80	17 0		8681		2000			
17 500	13 375 J55	54 5	0	210		400		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	4212							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	3997	8597	3997 TO 8597	0 430	1040	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
3997 TO 8597	ACIDIZE W/ 116,928 15% ACID, FRAC W/ 291,984 GALS TREATED WATER, 5,297,250 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
12/18/2017	12/23/2017	24	→	108 0	74 0	2246 0	42 4	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	→	108	74	2246	685	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 #403324 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Pending BLM approvals will
subsequently be reviewed
and scanned

BC 2-26-18

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
YATES	587			YATES	587
SEVEN RIVERS	850			SEVEN RIVERS	850
QUEEN	1407			QUEEN	1407
GRAYBURG	1828			GRAYBURG	1828
SAN ANDRES	2149			SAN ANDRES	2149
LOVINGTON SAND	2215			LOVINGTON SAND	2215

32. Additional remarks (include plugging procedure):

Logs will be submitted in WIS

OCD logs will be mailed.

Resubmission: correction to 400780 TD Corrected and TD reached date corrected.

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 #403324 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 02/05/2018

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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