

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 **NM OIL CONSERVATION**  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

JAN 20 2015

Submit one copy to appropriate District Office

RECEIVED

☐ AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address <b>COG Operating LLC</b> One Concho Center 600 West Illinois Ave. Midland, TX 79701		<sup>2</sup> OGRID Number 229137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW Effective 11/25/14
<sup>4</sup> API Number 30.- 015 -42410	<sup>5</sup> Pool Name Empire; Glorieta Yeso, East	<sup>6</sup> Pool Code 96610
<sup>7</sup> Property Code 313307	<sup>8</sup> Property Name Passion 1 Federal Com PDK	<sup>9</sup> Well Number 5H

**II. <sup>10</sup> 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	1	17S	29E		1910	South	180	East	Eddy

**<sup>11</sup> 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
L	1	17S	29E		2270	South	371	West	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 11/25/14	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
278421	HollyFrontier Refining & Marketing LLC	O
36785	Dcp Midstream	G

**IV. Well Completion Data**

<sup>21</sup> Spud Date 10/3/14	<sup>22</sup> Ready Date 11/25/14	<sup>23</sup> TD 9108MD 4423TVD	<sup>24</sup> PBTD 9040	<sup>25</sup> Perforations 4674 - 9021	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17-1/2	13-3/8	352	1000		
12-1/4	9-5/8	1108	500		
7-7/8	5-1/2	9104	2100		
	2-7/8tbg	4068			

**V. Well Test Data**

<sup>31</sup> Date New Oil 12/3/14	<sup>32</sup> Gas Delivery Date 12/4/14	<sup>33</sup> Test Date 12/5/14	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure 70	<sup>36</sup> Csg. Pressure 70
<sup>37</sup> Choke Size	<sup>38</sup> Oil 341	<sup>39</sup> Water 2114	<sup>40</sup> Gas 263		<sup>41</sup> Test Method P

<sup>42</sup> 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:

1/8/15

Phone:

432-686-3087

OIL CONSERVATION DIVISION

Approved by:

*RL Dade*

Title:

*Dst R Spewison*

Approval Date:

*2/4/15*

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

**NM OIL CONSERVATION**

ARTESIA DISTRICT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 20 2015

FORM 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.  
PASSION 1 FEDERAL COM PDK 5H

9. API Well No.  
30-015-42410

10. 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 1 T17S R29E Mer NMP NESE 1910FSL 180FEL

**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 Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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.)

10/30/14 Test frac valve to 7500psi. Spotted 2000 gals acid. Set plug @ 9035. 11/6/14 Perf 14 stages @ Perf 8813 - 9021 w/6SPF, 36 holes, CBP @ 8760.  
Perf @ 8495 - 8707 w/6SPF, 36 holes, CBP @ 8442.  
Perf @ 8177 - 8389 w/6SPF, 36 holes, CBP @ 8124.  
Perf @ 7859 - 8072 w/6SPF, 36 holes, CBP @ 7796.  
Perf @ 7541 - 7753 w/6SPF, 36 holes, CBP @ 7478.  
Perf @ 7218 - 7435 w/6SPF, 36 holes, CBP @ 7162.  
Perf @ 6905 - 7117 w/6SPF, 36 holes, CBP @ 6845.  
Perf @ 6590 - 6799 w/6SPF, 36 holes, CBP @ 6528.  
Perf @ 6271 - 6481 w/6SPF, 36 holes, CBP @ 6212.  
Perf @ 5954 - 6163 w/6SPF, 36 holes, CBP @ 5892.  
Perf @ 5628 - 5845 w/6SPF, 36 holes, CBP @ 5578.

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

**Electronic Submission #287367 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 01/08/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE 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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person known States any false, fictitious or fraudulent statements or representations as to any matter within its juris

Pending BLM approvals will  
subsequently be reviewed  
and scanned

agency of the United

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

**Additional data for EC transaction #287367 that would not fit on the form**

**32. Additional remarks, continued**

Perf @ 5309 - 5527 w/6SPF, 36 holes, CBP @ 5259.

Perf @ 4994 - 5209 w/6SPF, 36 holes, CBP @ 4944.

Perf @ 4674 - 4891 w/6SPF, 36 holes. Acidize 14 stages w/53,851 gals 15% acid. Frac w/1,884,510 gals gel, 143,992 gals WaterFrac, 153,408 gals treated water, 4,180,628# 20/40 white sand, 673,119# 20/40 CRC.

11/9/14 RU flowback equipment.

11/23/14 Drill out plugs. Clean out to PBTD 9040.

11/25/14 RIH w/119jts 2-7/8" J55 6.5# tbg, EOT @ 4068. RIH ESP. Hang On.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 20 2015

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

**RECEIVED**

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. PASSION 1 FEDERAL COM PDK 5H		
Contact: CHASITY JACKSON E-Mail: cjackson@concho.com					
3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701			9. API Well No. 30-015-42410		
3a. Phone No. (include area code) Ph: 432-686-3087					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 1910FSL 180FEL At top prod interval reported below NESE 1910FSL 180FEL At total depth NWSW 2270FSL 371FWL			10. Field and Pool, or Exploratory EMPIRE; GLORIETA-YESO, E		
			11. Sec., T., R., M., or Block and Survey or Area Sec 1 T17S R29E Mer NMP		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 10/03/2014		15. Date T.D. Reached 10/12/2014	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/25/2014		17. Elevations (DF, KB, RT, GL)* 3682 GL
18. Total Depth: MD 9108 TVD 4423		19. Plug Back T.D.: MD 9040 TVD 9040		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON CCL/HNGS			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
17.500	13.375 J55	54.5		352		1000			
12.250	9.625 J55	40.0		1108		500			
7.875	5.500 L80	17.0		9104		2100			

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	4068							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4674	9021	4674 TO 9021	0.430	504	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4674 TO 9021	ACIDIZE W/53,851 GALS 15% ACID. FRAC W/1,884,510 GALS GEL, 153,408 GALS TREATED WATER,
4674 TO 9021	14,992 GALS WATER FRAC, 4,180,628# 20/40 WHITE SAND, 673,119# 20/40 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
12/03/2014	12/05/2014	24	→	341.0	263.0	2114.0	36.8	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL 341	Gas MCF 263	Water BBL 2114	Gas:Oil Ratio 771	Well Status 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 *JP*

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

ELECTRONIC SUBMISSION #287369 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.)  
FLARED

## 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
TANSIL	1039		LIMESTONE & DOLOMITE	TANSIL	1039
YATES	1146		SANDSTONE	YATES	1146
QUEEN	2030		SANDSTONE & DOLOMITE	QUEEN	2030
GRAYBURG	2358		SANDSTONE & DOLOMITE	GRAYBURG	2358
SAN ANDRES	2743		DOLOMITE & LIMESTONE	SAN ANDRES	2743
GLORIETA	4175		SANDSTONE	GLORIETA	4175
PADDOCK	4252			PADDOCK	4252

32. Additional remarks (include plugging procedure):  
Log has been 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 #287369 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 01/08/2015

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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