

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

CCP Artesia  
JUL 16 2013

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NMCCD ARTESIA

Lease Serial No.  
NMNM0553777

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. NMNM124947	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. GRAVE DIGGER FEDERAL COM DWOA 5H	
Contact: KANICIA CASTILLO E-Mail: kcastillo@conchoreources.com		9. API Well No. 30-015-40412-00-S1	
3. Address ONE CONCHO CENTER 600 WILLINOIS AVENUE MIDLAND, TX 79701		3a. Phone No. (include area code) Ph: 432-685-4332	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 205FNL 990FWL At top prod interval reported below NWNW 205FNL 990FWL At total depth NWNW 405FSL 954FWL		10. Field and Pool, or Exploratory N SEVEN RIVERS-GLOR-YESO	
14. Date Spudded 11/30/2012		15. Date T.D. Reached 12/14/2012	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/20/2013		17. Elevations (DF, KB, RT, GL)* 3473 GL	
18. Total Depth: MD 7316 ✓ TVD 2859		19. Plug Back T.D.: MD 7261 TVD 2804	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN	
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11.000	8.625 J55	32.0		1102		1300		0	
7.875	5.500 L80	17.0		7316 ✓		950		0	

Revised MD on OGD PERMITTING.  
PLEASE REFER TO 12-1049 3160-5 10/29/2016 AB  
for documentation.

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	2287							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	3150	7213	3150 TO 7213	0.430	252	OPEN
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
3150 TO 7213	ACIDIZED W/ 7,000 GALS 15% ACID. FRAC W/ 1,753,549 GALS GEL.
3150 TO 7213	96,027# 100 MESH SAND, 741,024# 16/30 BROWN SAND, 268,790# 16/30 CRC.

RECLAMATION

DUE 7-2013

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/29/2013	02/08/2013	24	→	230.0	155.0	323.0	40.7	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	70	70.0	→	230	155	323	674	POW	

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. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

JUL 14 2013

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

ELECTRONIC SUBMISSION #200585 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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. Flowg. 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. Flowg. 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
GRAYBURG	470		DOLOMITE & SANDSTONE	GRAYBURG	470
SAN ANDRES	850		DOLOMITE & LIMESTONE	SAN ANDRES	850
GLORIETA	2405		SANDSTONE	GLORIETA	2405
YESO	2537		DOLOMITE & SANDSTONE	YESO	2537
TUBB	3997		DOLOMITE & SANDSTONE	TUBB	3997

32. Additional remarks (include plugging procedure):  
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 #200585 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 03/07/2013 (13KMS5341SE)

Name (please print) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 03/04/2013

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 \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

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

<sup>1</sup> Operator name and Address COG Operating LLC One Concho Center 600 W. Illinois Ave. Midland, TX 79701		<sup>2</sup> OGRID Number 229137
<sup>4</sup> API Number 30 - 015-40412		<sup>3</sup> Reason for Filing Code/ Effective Date NW effective 1/20/13
<sup>5</sup> Pool Name N. Seven Rivers;Glorieta-Yeso		<sup>6</sup> Pool Code 97565
<sup>7</sup> Property Code 308478 39905	<sup>8</sup> Property Name Federal Grave Digger State Com	<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
4	2	20S	25E		205	North	990	West	Eddy

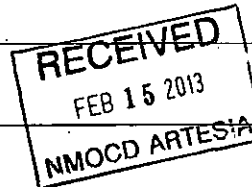
<sup>11</sup> Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	20S	25E		405	South	954	West	Eddy

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 1/20/13	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
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III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
15694	Navajo Refining Co. Pipeline Division P O Box 159 Artesia, NM 88211-0159	O
36785	DCP Midstream, LP 370 17th St, Ste 2500 Denver, CO 80902	G



IV. Well Completion Data

<sup>21</sup> Spud Date 11/17/12	<sup>22</sup> Ready Date 1/03/13	<sup>23</sup> TD 7207MD/2869TVD	<sup>24</sup> PBTD 7141	<sup>25</sup> Perforations 3150-7100	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size 11.0	<sup>28</sup> Casing & Tubing Size 8.625	<sup>29</sup> Depth Set 1102	<sup>30</sup> Sacks Cement 1300		
7.875	5.5	7316 ✓	950		
	2-7/8 tbg	2287			

V. Well Test Data

<sup>31</sup> Date New Oil 1/29/13	<sup>32</sup> Gas Delivery Date 1/24/13	<sup>33</sup> Test Date 2/08/13	<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 230	<sup>39</sup> Water 323	<sup>40</sup> Gas 155	<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: *Brian Maiorino*

Printed name:

Brian Maiorino

Title:

Regulatory Analyst

E-mail Address:

bmaiorino@concho.com

Date:

2/13/13

Phone:

432-221-0467

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

2/17/13

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.*

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

5. Lease Serial No.  
NMNM0553777

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.**

8. Well Name and No.  
GRAVE DIGGER STATE COM 5H

9. API Well No.  
30-015-40412

10. Field and Pool, or Exploratory  
N SEVEN RIVERS; GL YESO

11. County or Parish, and State  
EDDY COUNTY, NM

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 WEST 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 2 T20S R25E Mer NMP NWNW 205FNL 990FWL

**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	Well Spud
	<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 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.)

11/30/12 Spud 11 @ 7AM. 12/1/12 TD 11 @ 1102.  
12/2/12 Ran 25jts 8-5/8 J55 32# @ 1102. Cml w/1300sx C. +adds. PD @ 9:51AM. Circ 323sx to surf. WOC  
18hrs. Test BOP to 2000# for 30 min,ok.  
12/3/12 Drill 7-7/8 hole 1102-4200. 12/5/12 TD 7-7/8 pilot @ 4200.  
12/6/12 Pump kick off plug Cmt w/1000sx C. Circ 322sx to surf. 12/7-11/12 KOP 2300. EOC 3200.  
12/11-13/12 Drill lateral 5102-7316.  
12/14/12 TD 7-7/8 @ 7316MD 2859TVD. Ran 164jts 5-1/2 17# L80 @ 7316.  
12/15/12 Cml W/400sx C. Id, 150sx C. Il, 400sx H. PD @ 9:33AM. Circ 246sx. RR.

*\* TD Shows (7316 MD)*

*AB*

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #200808 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 03/07/2013 ()

Name (Printed/Typed) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 03/06/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By /s/ James Stovall

Title **FIELD MANAGER**

Date **APR 26 2013** \*

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.

**OFF CARLSBAD FIELD OFFICE**

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 \*\***