

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 EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		<sup>2</sup> OGRID Number 7377
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 07/2016
<sup>4</sup> API Number 30 - 0 25-42816	<sup>5</sup> Pool Name WC-025 G-09 S263327G; Upper Wolfcamp	<sup>6</sup> Pool Code 98097
<sup>7</sup> Property Code 315282	<sup>8</sup> Property Name Thor 21 Fed Com	<sup>9</sup> Well Number 704H

**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
O	21	26S	33E		170	South	1640	East	Lea

**<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
B	21	26S	33E		218	North	2323	East	Lea
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code Flowing	<sup>14</sup> Gas Connection Date 7/18/16	<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
7377	EOG Resources, Inc.	Oil
7377	EOG Resources, Inc.	Gas

**IV. Well Completion Data**

<sup>21</sup> Spud Date 4/30/16	<sup>22</sup> Ready Date 7/18/16	<sup>23</sup> TD 17246M - 12253V	<sup>24</sup> PBTB 17116	<sup>25</sup> Perforations 12693 - 17116'	<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		
14-3/4	10-3/4	939	546 C		
9-7/8	7-5/8	11189	1065 Litecrete, 460 H		
6-3/4	5-1/2	17236	575 POZ H		

**V. Well Test Data**

<sup>31</sup> Date New Oil 7/18/16	<sup>32</sup> Gas Delivery Date 7/18/16	<sup>33</sup> Test Date 8/5/16	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure 724	<sup>36</sup> Csg. Pressure 769
<sup>37</sup> Choke Size Open	<sup>38</sup> Oil 2396	<sup>39</sup> Water 3944	<sup>40</sup> Gas 4564		<sup>41</sup> Test Method Flowing

<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:

Printed name:  
Stan Wagner

Title:  
Regulatory Specialist

E-mail Address:

Date:  
8/11/16

Phone:  
432-686-3689

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Petroleum Engineer

08/19/16



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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.*

AUG 15 2016

RECEIVED

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM02965A
2. Name of Operator EOG RESOURCES, INC.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 2267 MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No. NMNM135754
3b. Phone No. (include area code) Ph: 432-686-3689		8. Well Name and No. THOR 21 FED COM 704H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T26S R33E SWSE 170FSL 1670FEL		9. API Well No. 30-025-42816
		10. Field and Pool, or Exploratory WC-025 S263327G; UPPER WC
		11. County or Parish, and State LEA COUNTY, NM

## 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	Production Start-up
	<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.)

5/25/16 Prep well for completion. Perform pre-frac casing pressure test to a max pressure of 11485 psi.

6/08/16 MIRU for completion. Begin 20 stage completion.

6/15/16 Finish perforating & frac.

Perforated from 12693' to 17116', 0.35", 1428 holes.

Frac w/ 504 bbls acid, 13,011,780 lbs proppant, 313,581 bbls load water.

6/22/16 RIH to drill out plugs and clean out well.

6/23/16 Finish drill and clean out.

6/25/16 RIH and set 5-1/2" packer at 11965'.

6/26/16 RIH w/ 2-7/8" production tubing and gas lift assembly. EOT at 11990'.

Shut well in.

7/18/16 Opened well to flowback. First hydrocarbon sales.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #345204 verified by the BLM Well Information System For EOG RESOURCES, INC., sent to the Hobbs</b>	
Name (Printed/Typed) STAN WAGNER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 07/20/2016

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
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 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 \*\***



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD  
JUG 15 2016  
RECEIVED

FORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 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: _____				5. Lease Serial No. NMNM02965A																																																																									
2. Name of Operator EOG Resources, Inc.				8. Lease Name and Well No. Thor 21 Fed Com 704H																																																																									
3. Address P.O. Box 2267 Midland, Texas 79702				3a. Phone No. (include area code) 432-686-3689																																																																									
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 170' FSL & 1640' FEL, SWSE, 21-26S-33E  At top prod. interval reported below  At total depth 218' FNL & 2323' FEL, NWNE, 21-26S-33E				10. Field and Pool or Exploratory WC-025 G-09 S263327G; Upper WC 11. Sec., T., R., M., on Block and Survey or Area 21-T26S-R33E 12. County or Parish Lea 13. State NM																																																																									
14. Date Spudded 04/30/2016		15. Date T.D. Reached 05/16/2016		16. Date Completed 07/18/2016 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3257' GL																																																																							
18. Total Depth: MD 17246 TVD 12253		19. Plug Back T.D.: MD 17116 TVD		20. Depth Bridge Plug Set: MD TVD																																																																									
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) None				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 report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)																																																																									
23. Casing and Liner Record (Report all strings set in well)																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Hole Size</th> <th>Size/Grade</th> <th>Wt. (#/ft.)</th> <th>Top (MD)</th> <th>Bottom (MD)</th> <th>Stage Cementer Depth</th> <th>No. of Sk. &amp; Type of Cement</th> <th>Slurry Vol. (BBL)</th> <th>Cement Top*</th> <th>Amount Pulled</th> </tr> </thead> <tbody> <tr> <td>14-3/4</td> <td>10-3/4</td> <td>40.5</td> <td>0</td> <td>939</td> <td></td> <td>546 C</td> <td></td> <td>Surface</td> <td></td> </tr> <tr> <td>9-7/8</td> <td>7-5/8</td> <td>29.7</td> <td>0</td> <td>11189</td> <td></td> <td>1065 LC, 460 H</td> <td></td> <td>Surface</td> <td></td> </tr> <tr> <td>6-3/4</td> <td>5-1/2</td> <td>23.0</td> <td>0</td> <td>17236</td> <td></td> <td>575 POZ H</td> <td></td> <td>Surface</td> <td></td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	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	14-3/4	10-3/4	40.5	0	939		546 C		Surface		9-7/8	7-5/8	29.7	0	11189		1065 LC, 460 H		Surface		6-3/4	5-1/2	23.0	0	17236		575 POZ H		Surface																																						
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24. Tubing Record																																																																													
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)																																																																					
2-7/8	11990	11965																																																																											
25. Producing Intervals								26. Perforation Record																																																																					
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status																																																																					
A) Wolfcamp		12177		12693 - 17116		0.35"	1428	producing																																																																					
B)																																																																													
C)																																																																													
D)																																																																													
27. Acid, Fracture, Treatment, Cement Squeeze, etc.																																																																													
Depth Interval		Amount and Type of Material																																																																											
12693 - 17116		504 bbls acid, 13,011,780 lbs proppant, 313,581 bbls load 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																																																																				
7/18/16	8/5/16	24	→	2396	4564	3944	45.0		Flowing																																																																				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status																																																																					
Open	724	769	→				1904	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 page 2)

## 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 (Solid, 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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Rustler Top of Salt	792 1132	4767	Anhydrite Salt	Rustler Lamar	792 4997
Base of Salt Lamar	4997		Salt Limestone	Bell Canyon Cherry Canyon	5032 6047
Bell Canyon Cherry Canyon	5032 6047		Sandstone Sandstone	Brushy Canyon Bone Spring lime	7687 9197
Brushy Canyon Bone Spring Lime	7687 9197		Sandstone Limestone	1st BS Sand 2nd BS Sand	10122 10632
1st Bone Spring Sand 2nd Bone Spring Sand	10122 10632		Sandstone Sandstone	3rd BS Sand Wolfcamp	11762 12177
3rd Bone Spring Sand Wolfcamp	11762 12177		Sandstone Shale		

## 32. Additional remarks (include plugging procedure):

\* Bradenhead intermediate squeeze w/ 2000 sx Lucem cement. ran CBL, ETOC at 720'.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

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

Name (please print) Stan Wagner

Title Regulatory Specialist

Signature Stan Wagner

Date 8/11/16

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.