

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TX 79702		<sup>2</sup> OGRID Number 7377
		<sup>3</sup> Reason for Filing Code/ Effective Date 08/28/2018
<sup>4</sup> API Number 30 – 025-43747	<sup>5</sup> Pool Name SANDERS TANK; UPPER WOLFCAMP	<sup>6</sup> Pool Code 98097
<sup>7</sup> Property Code 316102	<b>ORRTANNA 20 FEDERAL</b>	<sup>9</sup> Well Number 707H

II. <sup>10</sup> Surface Location

Ul or lot no. p	Section 20	Township 26S	Range 33E	Lot Idn	Feet from the 768'	North/South SOUTH	Feet from the 468'	East/West line EAST	County LEA
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<sup>11</sup> Bottom Hole Location

UL or lot no A	Section 20	Township 26S	Range 33E	Lot Idn	Feet from the 109'	North/South NORTH	Feet from the 828'	East/West line EAST	County LEA
<sup>12</sup> Lse Code S	<sup>13</sup> Producing Method Code FLOWING	<sup>14</sup> Gas Connection Date	<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
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES, LLC	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

<sup>21</sup> Spud Date 05/23/2018	<sup>22</sup> Ready Date 08/28/2018	<sup>23</sup> TD 17,282' MD 12261 TUD	<sup>24</sup> PBDT 17,250'	<sup>25</sup> Perforations 12,500-17,250' MD 12259-12263	<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"	909'	840 SXS CL C/CIRC		
12 1/4"	9 5/8"	4,810'	1635 SXS CL C/CIRC		
8 3/4"	7 5/8"	11,670'	945 SXS CL C&H/1036'		
6 3/4"	5 1/2"	17,261'	554SXSCLC H/ETOC11309'		

V. Well Test Data

<sup>31</sup> Date New Oil 08/28/2018	<sup>32</sup> Gas Delivery Date 08/28/2018	<sup>33</sup> Test Date 09/12/2018	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure 727
<sup>37</sup> Choke Size 68	<sup>38</sup> Oil 2906	<sup>39</sup> Water 2350	<sup>40</sup> Gas 6001	<sup>41</sup> Test Method	

<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: <i>Kay Maddox</i>		OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i>	
Printed name: Kay Maddox		Title: Petroleum Engineer	
Title: Regulatory Analyst		Approval Date: 10/07/18	
E-mail Address: Kay_Maddox@eogresources.com			
Date: 09/27/2018	Phone: 432-686-3658		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

OCT 01 2018

**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.**

RECEIVED

5. Lease Serial No.  
NMNM118727

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
ORRTANNA 20 FEDERAL 707H9. API Well No.  
30-025-4374710. Field and Pool or Exploratory Area  
SANDERS TANK; UPPER WOLFCA11. County or Parish, State  
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
EOG RESOURCES, INCContact: KAY MADDOX  
E-Mail: kay\_maddox@egoresources.com3a. Address  
PO BOX 2267 ATTENTION; KAY MADDOX  
MIDLAND, TX 797023b. Phone No. (include area code)  
Ph: 432-686-3658

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

Sec 20 T26S R33E Mer NMP SESE 768FSL 468FEL  
32.023877 N Lat, 103.587254 W Lon**12. CHECK THE 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"/> Hydraulic Fracturing	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

07/18/2018 RIG RELEASED  
07/21/2018 MIRU PREP TO FRAC, TEST VOID 5000 PSI, SEALS & FLANGES TO 8500 PSI  
08/18/2018 BEGIN PERF & FRAC  
08/24/2018 FINISH 18 STAGES PERF & FRAC 12,500-17,250', 967 3 1/8" SHOTS FRAC W/11,419,100 LBS PROPPANT, 184,191 BBLs LOAD FLUID  
08/27/2018 DRILLED OUT PLUGS AND CLEAN OUT WELLBORE  
08/28/2018 OPENED WELL TO FLOWBACK  
DATE OF FIRST PRODUCTION

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

**Electronic Submission #437346 verified by the BLM Well Information System  
For EOG RESOURCES, INC, sent to the Hobbs**

Name (Printed/Typed) KAY MADDOX

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 09/27/2018

**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.

(Instructions on page 2)

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



EOG Resources, Inc.  
P.O. Box 2267  
Midland, TX 79702  
(432) 686-3600

September 27, 2018

State of New Mexico  
Oil Conservation Division – District 1  
1625 N. French Drive  
Hobbs, New Mexico 88240

**HOBBS OCD**

**OCT 01 2018**

**RECEIVED**

Re: Request for exception to Rule 107 J  
Tubingless Completion  
ORRTANNA 20 FEDERAL #707H 30-025-43747

EOG Resources, Inc. requests an exception to NMOC Rule 107 J regarding required production tubing. EOG requests a tubingless completion for the well listed above to allow greater flowback after frac stimulation.

The plan is to install production tubing as soon as flow decreases, which should occur within 6 months.

Thank you for your consideration of this request. If additional information is needed, please contact me at 432 686-3658.

Sincerely,

EOG Resources, Inc.

A handwritten signature in black ink that reads "Kay Maddox". The signature is written in a cursive, flowing style.

Kay Maddox  
Regulatory Analyst

Bureau of Land Management

Hobbs Field Office

414 W. Taylor

Hobbs, New Mexico

505.393.3612

**WATER PRODUCTION & DISPOSAL INFORMATION**

Well: ORRTANNA 20 FEDERAL FACILITY

Sec 20 T26S, R33E

Orrtanna 20 Federal #707H 30-025-43747

1. Name of formations producing water on lease: WOLFCAMP
2. Amount of water produced from all formations in barrels per day 2000 BWPD
3. How water is stored on lease Tanks: 4- 400 bbl tanks
4. How water is moved to disposal facility Pipeline/Trucked
5. Disposal Facility:
  - a. Facility Operators name EOG RESOURCES INC
  - b. Name of facility or well name & number  
**BLACK BEAR 36 STATE #5**  
30-025-40585  
H-36-25S-33E  
Permit no SWD 1359
  - c. Type of facility or wells SWD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**HOBBS OCD**

OCT 01 2018

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM118727

If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
ORRTANNA 20 FEDERAL 707H

9. API Well No.  
30-025-43747

10. Field and Pool, or Exploratory  
SANDERS TANK;WOLFCAMP

11. Sec., T., R., M., or Block and Survey  
or Area Sec 20 T26S R33E Mer NMP

12. County or Parish  
LEA

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3240 GL

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other

2. Name of Operator  
EOG RESOURCES, INC

Contact: KAY MADDOX  
E-Mail: KAY\_MADDOX@EOGRESOURCES.COM

3. Address PO BOX 2267  
MIDLAND, TX 79702

3a. Phone No. (include area code)  
Ph: 432-686-3658

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

At surface SESE 768FSL 468FEL 32.023877 N Lat, 103.587254 W Lon

At top prod interval reported below SESE 394FSL 809FEL 32.022849 N Lat, 103.588352 W Lon

At total depth NENE 109FNL 828FEL 32.035971 N Lat, 103.588425 W Lon

14. Date Spudded  
05/23/2018

15. Date T.D. Reached  
07/17/2018

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
08/28/2018

18. Total Depth: MD 17282  
TVD 12261

19. Plug Back T.D.: MD 17250  
TVD 12261

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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
17.500	13.375 J55	54.5		909		840		0	
12.250	9.625 J55	40.0		4810		1635		0	
8.750	7.625 HCP110	29.7		11670		945		1036	
6.750	5.500 HCP110	20.0		17261		554		11309	

**24. Tubing Record**

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

**25. Producing Intervals**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12500	17250	12500 TO 17250	3.250	967	OPEN
B)						
C)						
D)						

**26. Perforation Record**

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

Depth Interval	Amount and Type of Material
12500 TO 17250	11,419,100 LBS PROPPANT, 184,191 BBLs LOAD FLUID

**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
08/28/2018	09/12/2018	24	→	2906.0	6001.0	2350.0	44.0		FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
68		727.0	→				2065	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 #437362 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
RUSTLER	818		BARREN	RUSTLER	818
T/SALT	1169		BARREN	T/SALT	1169
B/SALT	4630		BARREN	B/SALT	4630
BRUSHY CANYON	7471		OIL & GAS	BRUSHY CANYON	7471
1ST BONE SPRING SAND	9964		OIL & GAS	1ST BONE SPRING SAND	9964
2ND BONE SPRING SHALE	10543		OIL & GAS	2ND BONE SPRING SHALE	10543
3RD BONE SPRING SAND	11695		OIL & GAS	3RD BONE SPRING SAND	11695
WOLFCAMP	12160		OIL & GAS	WOLFCAMP	12160

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

PLEASE REFERENCE ATTACHMENTS

## 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 #437362 Verified by the BLM Well Information System.  
For EOG RESOURCES, INC, sent to the Hobbs**

Name (please print) KAY MADDOXTitle REGULATORY SPECIALIST

Signature \_\_\_\_\_ (Electronic Submission)

Date 09/27/2018

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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