

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 Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		<sup>2</sup> OGRID Number 6137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW / 9/15/14
<sup>4</sup> API Number 30-015-42031	<sup>5</sup> Pool Name Hackberry; Bone Spring	<sup>6</sup> Pool Code 97020
<sup>7</sup> Property Code 40305	<sup>8</sup> Property Name Betelgeuse 19 Federal	<sup>9</sup> Well Number 6H

**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
E	20	19S	31E		1699	North	265	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
2	19	19S	31E		2280	North	430	West	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 9/15/14	<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	Holly-Frontier 10 Desta Drive, Ste 350W Midland, TX 79710	Oil
036785	DCP Midstream P.O. Box 50020 Midland, TX 79710-0020	Gas
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT OCT 09 2014  RECEIVED		

**IV. Well Completion Data**

<sup>21</sup> Spud Date 6/2/14	<sup>22</sup> Ready Date 9/15/14	<sup>23</sup> TD 12758' 7892	<sup>24</sup> PBDT 12711.3'	<sup>25</sup> Perforations 8238 - 12701	<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		
26"	20"	468	1548 sx CIC; Circ 34 sx		
17-1/2"	13-3/8"	2362	1805 sx CIC; Circ 272 sx		
12-1/4"	9-5/8"	4024	1888 sx CIC; Circ 326 sx		
8-3/4"	5-1/2"	12785	2410 sx CH; Circ 0		

**V. Well Test Data**

Tubing: 2-7/8"

<sup>31</sup> Date New Oil 10/5/14	<sup>32</sup> Gas Delivery Date 10/5/14	<sup>33</sup> Test Date 10/5/14	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 490 psi	<sup>36</sup> Csg. Pressure 500 psi
<sup>37</sup> Choke Size	<sup>38</sup> Oil 604 bbl	<sup>39</sup> Water 1189 bbl	<sup>40</sup> Gas 1051 mcf		<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: *Megan Moravec*

Printed name: Megan Moravec

Title: Regulatory Compliance Analyst

E-mail Address: megan.moravec@dmn.com

Date: 10/8/2014

Phone:

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will subsequently be reviewed and scanned

*T. C. Shepard*  
**"Geologist"**

10-31-14

*ICS*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
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. BHL: NMNM90534

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

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

8. Well Name and No.  
Betelgeuse 19 Federal 6H

9. API Well No.  
30-015-42031

10. Field and Pool or Exploratory Area  
Hackberry; Bone Spring

11. Country or Parish, State  
Eddy, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Devon Energy Production Company, L.P.

3a. Address  
333 West Sheridan, Oklahoma City, OK 73102

3b. Phone No. (include area code)  
405-228-4248

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1699' FNL & 265' FWL Unit E, Sec 20, T19S, R31E  
2280' FNL & 430' FWL Lot 2, Sec 19, T19S, R31E

PP: 2255' FNL & 122' FEL

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"/> 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 Completion Report	
	<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 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.)

8/6/14-9/15/14: MIRU WL & PT. TIH & ran CBL, found ETOC @ surf. TIH w/pump through frac plug and guns. Perf Bone Spring, 8238'-12701', total 400 holes. Frac'd 8238'-12701' in 10 stages. Frac totals 54,094 gals 15% HCl Acid, 3,360,354# 40/70 White, 4,888,833 # 30/50 White. ND frac, MIRU PU, NU BOP, DO plugs. CHC, ND BOP. RIH w/228 jts 2-7/8" L-80 tbg, set @ 7547.8' TOP.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
OCT 09 2014

**RECEIVED**

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed)

Megan Moravec

Title Regulatory Compliance Analyst

Signature

*Megan Moravec*

Date 10/8/2014

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

Approved by

Title

Office

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.

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 fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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

or the United States any false,

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION  
ARTESIA DISTRICT

OCT 09 2014

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		5. Lease Serial No. BHL: NMNM90534	
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: _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator Devon Energy Production Company, L.P.		7. Unit or CA Agreement Name and No.	
3. Address 333 West Sheridan Ave, Oklahoma City, OK 73102		8. Lease Name and Well No. Betelgeuse 19 Federal 6H	
3a. Phone No. (include area code) 405-228-4248		9. AFI Well No. 30-015-42031	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 1699' FNL & 265' FWL Unit E, Sec 20, T19S, R31E  At top prod. interval reported below  At total depth 2280' FNL & 430' FWL Lot 2, Sec 19, T19S, R31E		10. Field and Pool or Exploratory Hackberry; Bone Spring	
		11. Sec., T., R., M., on Block and Survey or Area Sec 20, T19S, R31E	
		12. County or Parish Eddy	13. State NM
14. Date Spudded 6/2/14	15. Date T.D. Reached 6/26/14	16. Date Completed 9/15/14 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.	
17. Elevations (DF, RKB, RT, GL)* GL: 3416.1			
18. Total Depth: MD 12758' TVD 7891.46'	19. Plug Back T.D.: MD 12711.3' TVD	20. Depth Bridge Plug Set: MD TVD	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL Gamma Ray Casing Collar Log		22. Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)	
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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
26"	20" J-55	94#	0	468		1548 sx CIC		0	34 sx
17-1/2"	13-3/8" J-55	68#	0	2362		1805 sx CIC		0	272 sx
12-1/4"	9-5/8" J-55	40#	0	4024	DV @ 2415	1888 sx CIC		0	326 sx
8-3/4"	5-1/2" HCP-110	17#	0	12785		2410 sx CIH		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)	
2-7/8"	7547.8'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Spring	8238	12701		8238 - 12701		400	open
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
8238 - 12701	54,094 gals 15% HCl Acid, 3,360,354# 40/70 White, 4,888,833 # 30/50 White

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
9/15/14	10/5/14	24	→	604	1051	1189			Pump
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	490psi	500psi	→				1740		

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	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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\*(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.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Bone Spring	7896			Ruster	412
				Salado	546
				Salt Base	1875
				Tansil	1953
				Yates	2088
				SVRV	2339
				Capitan	2431
				Queen	3291
				SADR	3645
				Delaware	4523
				1st Bone Spring Lm	6573
				1st Bone Spring Ss	7986

32. Additional remarks (include plugging procedure):

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) Megan MoravecTitle Regulatory Compliance AnalystSignature Megan MoravecDate 10/8/2014

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.

(Continued on page 3)

(Form 3160-4, page 2)