

JAN 29 2015

Form C-104

Revised August 1, 2011

## 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

## Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

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 / 1/8/15
<sup>4</sup> API Number 30-015-41802	<sup>5</sup> Pool Name Bone Spring; Hackberry, NW	<sup>6</sup> Pool Code 97020
<sup>7</sup> Property Code 38355	<sup>8</sup> Property Name Arcturus 18 Federal	<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
A	18	19S	31E		845	North	250	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
D	18	19S	31E		430	North	347	West	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 1/8/15	<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

## IV. Well Completion Data

<sup>21</sup> Spud Date 10/19/14	<sup>22</sup> Ready Date 1/8/15	<sup>23</sup> TD 12296	<sup>24</sup> PBDT 12249.3	<sup>25</sup> Perforations 8113 - 12239	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size 26"	<sup>28</sup> Casing & Tubing Size 20"	<sup>29</sup> Depth Set 553	<sup>30</sup> Sacks Cement 1175 sx CIC; Circ 308 sx		
17-1/2"	13-3/8"	2412	1775 sx CIC; Circ 340 sx		
12-1/4"	9-5/8"	3984	1372 sx CIC; Circ 122 sx		
8-3/4"	7" & 5-1/2"	12296	1693 sx CH; Circ 0		

## V. Well Test Data

Tubing: 2-7/8"

<sup>31</sup> Date New Oil 1/26/15	<sup>32</sup> Gas Delivery Date 1/26/15	<sup>33</sup> Test Date 1/26/15	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 362 psi	<sup>36</sup> Csg. Pressure 252 psi
<sup>37</sup> Choke Size	<sup>38</sup> Oil 272 bbl	<sup>39</sup> Water 1481 bbl	<sup>40</sup> Gas 1367 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:

Printed name:

Megan Moravec

Title:

Regulatory Compliance Analyst

E-mail Address:

megan.moravec@dmn.com

Date:

1/28/2015

Phone:

OIL CONSERVATION DIVISION	
Approved by:	
Title:	DISTRICT SUPERVISOR
Approval Date:	1/29/15

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

## NM OIL CONSERVATION

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ARTESIA DISTRICT

JAN 29 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.  
NMLC069464A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
ARCTURUS 18 FEDERAL 5H9. API Well No.  
30-015-4180210. Field and Pool, or Exploratory  
HACKBERRY; BONE SPRING, NW11. County or Parish, and State  
EDDY COUNTY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

## 2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: MEGAN MORAVEC

megan.moravec@dvn.com

## 3a. Address

333 WEST SHERIDAN AVENUE  
OKLAHOMA CITY, OK 73102

## 3b. Phone No. (include area code)

Ph: 405-552-3622

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

Sec 18 T19S R31E NENE 845FNL 250FEL

## 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	Drilling Operations
	<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.)

(10/19/14-10/22/14) Spud @ 18:00. TD 26? hole @ 553?. RIH w/ 13 jts 20? 94# J-55 BTC csg, set @ 553?. Lead w/ 875 sx CIC, yld 1.73 cu ft/sk. Tail w/ 300 sx CIC, yld 1.34 cu ft/sk. Disp w/ 172 bbls FW. Circ 308 sx cmt to half round, full returns throughout job. PT annular @ 250/1000 psi, OK. PT choke and kill lines, choke manifold, mud lines from top drive to pumps, floor valves, all @ 250/2000 psi, OK. PT csg to 1470 psi for 30 min, OK.  
(10/24/14-10/27/14) TD 17-1/2? hole @ 2412?. RIH w/ 57 jts 13-3/8? 68# J-55 BTC csg, set @ 2412?. Lead w/ 1325 sx CIC, yld 1.65 cu ft/sk. Tail w/ 450 sx CIC, yld 1.38 cu ft/sk. Disp w/ 355 bbls FW. Circ 340 sx cmt to surf. PT all BOPE @ 250/3000 psi, OK. PT csg to 1500 psi with battle testers for 30 min, OK.

(10/29/14-11/1/14) TD 12-1/4? hole @ 3984?. RIH w/ 94 jts 9-5/8? 40# J-55 LTC csg, set @ 3984?. 1st stage cmt lead w/ 292 sx CIC, yld 1.73 cu ft/sk. Tail w/ 408 sx CIC, yld 1.38 cu ft/sk. Disp w/

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

**Electronic Submission #280662 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION COMPAN, sent to the Carlsbad**

Name (Printed/Typed) MEGAN MORAVEC

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/19/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICIAL 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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

make to any department or agency of the United

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

## Additional data for EC transaction #280662 that would not fit on the form

### 32. Additional remarks, continued

300 bbls FW. Open DVT, top @ 2453?. Circ 483 sx cmt to surf. 2nd stage cmt lead w/ 622 sx CIC, yld 1.62 cu ft/sk. Tail w/ 50 sx CIC, yld 1.38 cu ft/sk. Disp w/ 186 bbls FW. Circ 122 sx cmt to surf. PT all BOPE @ 250/3000 psi, held all tests 10 min, OK. Drill out DVT from 2453? to 2475?. PT csg to 1500 psi for 30 min, OK.

(11/10/14-11/15/14) TD 8-3/4? hole @ 12296?. RIH w/ 114 jts 5-1/2? 17# P-110 BTC csg, followed by 165 jts 7? 29# P-110 BTC csg, set @ 12296?. 1st lead w/ 339 sx CIH, yld 2.30 cu ft/sk. 2nd lead w/ 126 sx CIH, yld 2.01 cu ft/sk. Tail w/ 1228 sx CIH, yld 1.28 cu ft/sk. Disp w/ 385 bbls FW. RR @ 06:00.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JAN 29 2015

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

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.*

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

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)

845' FNL & 250' FEL Unit A, Sec 18, T19S, R31E

430' FNL & 347' FWL Unit D, Sec 18, T19S, R31E

PP: 616' FNL & 240' FEL

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

8. Well Name and No.

Arcturus 18 Federal 5H

9. API Well No.

30-015-41802

10. Field and Pool or Exploratory Area

Bone Spring; Hackberry, NW

11. Country or Parish, State

Eddy, NM

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 <u>Completion Report</u>
	<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.)

12/1/14-1/8/15: MIRU WL & PT. TIH & ran CBL. PT csg & frac valve to 3000 psi for 15 min, OK. PT annulus to 600 psi for 30 min, OK. PT braden head to 1000 psi, lost 90 psi in 30 min. TIH w/pump through frac plug and guns. Perf Bone Spring 8113'-12239', total 640 holes. Frac'd 8113'-12239' in 16 stages. Frac totals 48,548 gals 15% HCl Acid, 4,408,105# 30/50 White, 1,739,436# 20/40 SLC, 112,909# 30/50 SLC. ND frac, MIRU PU, NU BOP, DO plugs. FWB, ND BOP. RIH w/ 211 jts 2-7/8" L-80 tbg, set @ 7424'. TOP.

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

Name (Printed/Typed)

Megan Moravec

Title Regulatory Compliance Analyst

Signature

*Megan Moravec*

Date 1/28/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICIAL 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 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)

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# NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 29 2015

RECEIVED

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

## 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. Resrv., Other: _____		5. Lease Serial No. BHL: NMLC069464A  6. If Indian, Allottee or Tribe Name  7. Unit or CA Agreement Name and No.	
2. Name of Operator Devon Energy Production Company, L.P.		8. Lease Name and Well No. Arcturus 18 Federal 5H	
3. Address 333 West Sheridan Ave, Oklahoma City, OK 73102		9. AFI Well No. 30-015-41802	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 845' FNL & 250' FEL Unit A, Sec 18, T19S, R31E  At top prod. interval reported below  At total depth 430' FNL & 347' FWL Unit D, Sec 18, T19S, R31E		10. Field and Pool or Exploratory Bone Spring; Hackberry, NW 11. Sec., T., R., M., on Block and Survey or Area Sec 18, T19S, R31E 12. County or Parish Eddy 13. State NM	
14. Date Spudded 10/19/14		15. Date T.D. Reached 11/10/14	
16. Date Completed 1/8/15 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* GL: 3437	
18. Total Depth: MD 12296 TVD 7880		19. Plug Back T.D.: MD 12249.3 TVD 20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL / Gamma Ray / CCL		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)	

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
26"	20" J-55	94#	0	553		1175 sx CIC		0	308 sx
17-1/2"	13-3/8" J-55	68#	0	2412		1775 sx CIC		0	340 sx
12-1/4"	9-5/8" J-55	40#	0	3984	DV @ 2456.4	1372 sx CIC		0	122 sx
8-3/4"	7" & 5-1/2" P-110	29# & 17#	0	12296		1693 sx CIH		844	

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"	7424								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) Bone Spring	8113	12239	8113 - 12239		640	open	
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
8113 - 12239	48,548 gals 15% HCl Acid, 4,408,105# 30/50 White, 1,739,436# 20/40 SLC, 112,909# 30/50 SLC

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
1/8/15	1/26/15	24	→	272	1367	1481			Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	362psi	252psi	→				5025.7		

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)

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## 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	6484			Rustler	472
				Top of Salt	633
				Capitan	2422
				Delaware	4744
				Bone Spring	6484

32. Additional remarks (include plugging procedure):

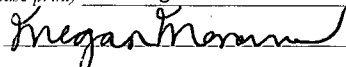
## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ 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 Analyst

Signature

Date 1/28/2015

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.

(Continued on page 3)

(Form 3160-4, page 2)