

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
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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
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	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBDT	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
10/19/14	1/8/15	12296	12249.3	8113 - 12239	

<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement
26"	20"	553	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	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
1/26/15	1/26/15	1/26/15	24 hrs	362 psi	252 psi

<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method
	272 bbl	1481 bbl	1367 mcf	

<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@dvn.com

Date: 1/28/2015

Phone:

OIL CONSERVATION DIVISION	
Approved by: <i>JR Dade</i>	Title: <i>Dst ASewer</i>
Approval Date: <i>1/29/15</i>	

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.*

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. NMLC069464A
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 333 WEST SHERIDAN AVENUE OKLAHOMA CITY, OK 73102		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 405-552-3622		8. Well Name and No. ARCTURUS 18 FEDERAL 5H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T19S R31E NENE 845FNL 250FEL		9. API Well No. 30-015-41802
		10. Field and Pool, or Exploratory HACKBERRY; BONE SPRING,NW
		11. County or Parish, and State EDDY COUNTY 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 Drilling Operations
	<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 recomplete 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 recompletion 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 SIGNATURE**

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 _____		

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

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. make to any department or agency of the United

**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.*

5. Lease Serial No. **BHL: NMLC069464A**

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.

1. Type of Well  
 Oil Well     Gas Well     Other

8. Well Name and No.  
**Arcturus 18 Federal 5H**

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

9. API Well No.  
**30-015-41802**

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

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

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

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**

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 <b>Completion Report</b>
	<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 recomplete 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 recompletion 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 SIGNATURE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_

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 \_\_\_\_\_

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

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)

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

5. Lease Serial No. BHL: NMLC069464A

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
 Other: \_\_\_\_\_

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

9. AFI Well No.  
30-015-41802

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

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 13. State

Eddy NM

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

14. Date Spudded 10/19/14  
 15. Date T.D. Reached 11/10/14  
 16. Date Completed 1/8/15  
 D & A  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?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit report)  
 Directional Survey?  No  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

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Spring	8113	12239	8113 - 12239		640	open
B)						
C)						
D)						

26. Perforation Record

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	
			→						

Pending BLM approvals will subsequently be reviewed and scanned

\*(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	6484			Rustler Top of Salt Capitan Delaware Bone Spring	472 633 2422 4744 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 Moravec Title Regulatory Compliance Analyst  
 Signature *Megan Moravec* 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.