

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

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 7/26/15
⁴ API Number 30-015-42618	⁵ Pool Name Hackberry; Bone Spring, NW	⁶ Pool Code 97020
⁷ Property Code 38355	⁸ Property Name Arcturus 18 Federal	⁹ Well Number 7H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	17	19S	31E		2080	South	20	West	Eddy

¹¹ 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
3 L	18	19S	31E		2080	South	300	West	Eddy
¹² Lse/Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 7/26/15	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ 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
NM OIL CONSERVATION ARTESIA DISTRICT AUG 27 2015 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 4/30/15	²² Ready Date 7/26/15	²³ TD 12624 / 7825	²⁴ PBSD 12575	²⁵ Perforations 8269 - 12567	²⁶ DHC, MC
²⁷ Hole Size 26"	²⁸ Casing & Tubing Size 20"	²⁹ Depth Set 512	³⁰ Sacks Cement 1833 sx CIC; Circ 35 bbls		
17-1/2"	13-3/8"	2433	1866 sx CIC; Circ 64 bbls		
12-1/4"	9-5/8"	4040	1468 sx CIC; Circ 53 bbls		
8-3/4"	7" & 5-1/2"	12624	1892 sx CIH; Circ 0		

V. Well Test Data

Tubing: 2-7/8"

³¹ Date New Oil 8/18/15	³² Gas Delivery Date 8/18/15	³³ Test Date 8/18/15	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 549 psi	³⁶ Csg. Pressure 519 psi
³⁷ Choke Size	³⁸ Oil 489 bbl	³⁹ Water 2059 bbl	⁴⁰ Gas 1975.7 mcf		⁴¹ Test Method

⁴² 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@dmv.com

Date:

8/26/2015

Phone:

OIL CONSERVATION DIVISION	
Approved by:	
Title:	
Approval Date:	8-22-15
Pending BLM approvals will subsequently be reviewed and scanned	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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 CO, LP		6. If Indian, Allottee or Tribe Name
Contact: MEGAN MORAVEC E-Mail: megan.moravec@dvn.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 333 WEST SHERIDAN AVENUE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-552-3622	8. Well Name and No. ARCTURUS 18 FEDERAL 7H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T19S R31E NWSW 2080FSL 20FWL		9. API Well No. 30-015-42618
		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 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.)

(4/30/15-5/3/15) Spud @ 09:30. TD 26? hole @ 512?. RIH w/ 12 jts 20? 94# J-55 BT csg, set @ 512?. Lead w/ 1833 sx CIC, yld 1.32 cu ft/sk. Disp w/ 168 bbls FW. Circ 35 bbls cmt to surf. PT BOPE @ 250/2000 psi, OK. PT csg to 1477 psi for 30 min, OK.

(5/4/15-5/7/15) TD 17-1/2? hole @ 2433?. RIH w/ 54 jts 13-3/8? 61# J-55 BT csg, set @ 2433?. Lead w/ 1403 sx CIC, yld 1.66 cu ft/sk. Tail w/ 463 sx CIC, yld 1.38 cu ft/sk. Disp w/ 357 bbls FW. Circ 64 bbls cmt to surf. PT BOP, choke manifold, floor valves, stand pipe valve & all floor valves @ 250/3000 psi, held all tests for 10 min, OK. PT hydriil @ 250/1500 psi for 10 min, OK. PT csg to 1500 psi for 30 min, OK.

(5/10/15-5/11/15) TD 12-1/4? hole @ 4040?. RIH w/ 95 jts 9-5/8? 40# J-55 LTC, set @ 4040?. 1st stage lead w/ 333 sx CIC, yld 1.66 cu ft/sk. Tail w/ 444 sx CIC, yld 1.38 cu ft/sk. Disp w/ 302

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 27 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #303475 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO, LP, sent to the Carlsbad	
Name (Printed/Typed) MEGAN MORAVEC	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/01/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

Additional data for EC transaction #303475 that would not fit on the form

32. Additional remarks, continued

bbls FW. Open DVT, set @ 2496.3?. 2nd lead w/ 640 sx CIC, yld 1.65 cu ft/sk. Tail w/ 50 sx CIC, yld 1.38 cu ft/sk. Disp w/ 189 bbls FW. Circ 53 bbls cmt to surf. PT BOPE @ 250/3000 psi, OK. PT csg to 1500 psi, held for 30 min, OK.

(5/19/15-5/22/15) TD 8-3/4? hole @ 12624?. RIH w/ 159 jts 7? 29# P-110 BT csg & 123 jts 5-1/2: 17# P-110 BT csg, set @ 12624?. 1st lead w/ 232 sx CIH, yld 2.37 cu ft/sk. 2nd lead w/ 243 sx CIH, yld 2.01 cu ft/sk. Tail w/ 1417 sx CIH, yld 1.28 cu ft/sk. Disp w/ 394 bbls FW. TOC @ surf. RR @ 06:00.

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: 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 7H

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

9. API Well No.
30-015-42618

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
Hackberry; Bone Spring, NW

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2080' FSL & 20' FWL Unit L, Sec 17, T19S, R31E
2080' FSL & 300' FWL Lot 3, Sec 18, T19S, R31E

PP: 2060' FSL & 98' FWL

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 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.)

6/9/15-7/26/15: MIRU WL & PT. TIH & ran CBL, found good TOC @ 2430'. TIH w/pump through frac plug and guns. Perf Bone Spring, 8269'-12567', total 640 holes. Frac'd 8269'-12567' in 16 stages. Frac totals 24,003 gals 15% HCl Acid, 6,633,000# 20/40 Ottawa Sand. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBDT 12575'. CHC, FWB, ND BOP. RIH w/226 jts 2-7/8" L-80 tbg, set @ 7313.8'. TOP.

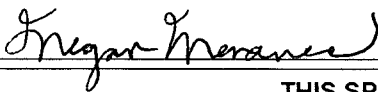
14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Megan Moravec

Title **Regulatory Compliance Analyst**

Signature



Date **8/26/2015**

THIS SPACE FOR FEDERAL OR STATE OFFICE

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)

AUG 27 2015

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 1b. 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. BHL: NMLC069464A 6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No.	
2. Name of Operator <p style="text-align: center;">Devon Energy Production Company, L.P.</p>		8. Lease Name and Well No. <p style="text-align: center;">Arcturus 18 Federal 7H</p>	
3. Address <p style="text-align: center;">333 West Sheridan Ave, Oklahoma City, OK 73102</p>		3a. Phone No. (include area code) <p style="text-align: center;">405-228-4248</p>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <p style="text-align: center;">2080' FSL & 20' FWL Unit L, Sec 17, T19S, R31E</p> At top prod. interval reported below At total depth <p style="text-align: center;">2080' FSL & 300' FWL Lot 3, Sec 18, T19S, R31E</p>		9. AFI Well No. <p style="text-align: center;">30-015-42618</p> 10. Field and Pool or Exploratory <p style="text-align: center;">Hackberry; Bone Spring, NW</p> 11. Sec., T., R., M., on Block and Survey or Area <p style="text-align: center;">Sec 17, T19S, R31E</p> 12. County or Parish <p style="text-align: center;">Eddy</p> 13. State <p style="text-align: center;">NM</p>	
14. Date Spudded <p style="text-align: center;">4/30/15</p>		15. Date T.D. Reached <p style="text-align: center;">5/19/15</p>	
16. Date Completed <p style="text-align: center;">7/26/15</p>		17. Elevations (DF, RKB, RT, GL)* <p style="text-align: center;">GL: 3423.9</p>	
18. Total Depth: MD 12624 TVD 7825		19. Plug Back T.D.: MD 12575 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <p style="text-align: center;">CBL / Gamma Ray / CCL, Gamma Ray Real Time</p>	
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	512		1833 sx CIC		0	35 bbls
17-1/2"	13-3/8" J-55	61#	0	2433		1866 sx CIC		0	64 bbls
12-1/4"	9-5/8" J-55	40#	0	4040	DV @ 2496.3	1468 sx CIC		0	53 bbls
8-3/4"	7" & 5-1/2" P-110	29# & 17#	0	12624		1892 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"	7313.8								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) Bone Spring	8269	12567	8269 - 12567		640	open	
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
8269 - 12567	24,003 gals 15% HCl Acid, 6,633,000# 20/40 Ottawa Sand

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
7/26/15	8/18/15	24	→	489	1975.7	2059			Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	549psi	519psi	→				4040.28		

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	6512			Rustler	428
				Top of Salt	562
				Yates	2133
				Capitan	2532
				Delaware	4875
				Bone Spring	6512

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 8/26/2015

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(Continued on page 3)

(Form 3160-4, page 2)