

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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. NMNM126966
2. Name of Operator <input checked="" type="checkbox"/> DEVON ENERGY PRODUCTION CO		6. If Indian, Allottee or Tribe Name
Contact: MELANIE A CRAWFORD Email: MELANIE.CRAWFORD@DVN.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 20 NORTH BROADWAY SUITE 1500 OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-552-4524	8. Well Name and No. ARCTURUS 18 FEDERAL COM 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T19S R31E SWSW Lot M 1150FSL 340FWL		9. API Well No. 30-015-38611-00-X1
		10. Field and Pool, or Exploratory HACKBERRY
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recombine
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other
	Change to Original A
	PD
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug and Abandon
	<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.)

Devon Energy Production Company LP respectfully request the following changes:

1. BHL Change:
Original BHL 980 FSL 1160 FEL Lot O
Proposed Change BHL to 400 FSL 330FEL Lot P
2. Name Change:
Original Name is Arcturus 18 Federal 4H
Proposed Name is Arcturus 18 Fed Com 4H
3. Casing/Cementing Program (see attached)

A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.

14. I hereby certify that the foregoing is true and correct	
Electronic Submission #116991 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 09/08/2011 (11KMS2496SE)	
Name (Printed/Typed) MELANIE A CRAWFORD	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/07/2011
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER
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 Carlsbad	
Date 09/26/2011	

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Accepted For Records - NMOC

10/3/2011

Additional data for EC transaction #116991 that would not fit on the form

32. Additional remarks, continued

4. Direction Survey (see attached)

Also I have attached a new C102 per BLM request.

Thank you

ARCTURUS 18 FED 4H – DRILLING SUNDRY
MHC 8.26.11

Casing Program

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
8-3/4"	3,100 – 8,100	5-1/2"	0 – 8,100	17#	LTC	HCP-110
8-3/4"	8,100 – 13,353	5-1/2"	8,100 – 13,353	17#	BTC	HCP-110

Design Factors:

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
5-1/2" 17# HCP-110 LTC	1.97	2.81	1.96
5-1/2" 17# HCP-110 BTC	1.81	2.58	6.11

Cementing Program (volumes based on at least 25% excess)

5-1/2" Production

1st Stage

Lead: 900 sacks (35 65) Poz (Fly Ash) Class H Cement + 5% bwow Sodium Chloride + 0 3% bwoc CD-32 + 0 5% bwoc FL-25 + 2% bwoc Bentonite + 0 6% bwoc Sodium Metasilicate + 0 5% bwoc FL-52A + 102 5% Fresh Water, 12 5 ppg

Yield 2 00 cf/sk

Tail 1,500 sacks (50 50) Poz (Fly Ash) Class H Cement + 1% bwow Sodium Chloride + 0 2% bwoc R-3 + 0 125 lbs/sack Cello Flake + 0 5% bwoc BA-10A + 4% bwoc MPA-5 + 58 3% Fresh Water, 14 2 ppg

Yield 1 28 cf/sk

DV TOOL at -4,500 ft

2nd Stage

Lead 300 sacks Class C Cement + 1% bwow Calcium Chloride + 0 125 lbs/sack Cello Flake + 157 8% Fresh Water, 11.4 ppg

Yield 2 89 cf/sk

TOC @ 2,600 ft

Tail 150 sacks (60 40) Poz (Fly Ash) Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0 125 lbs/sack Cello Flake + 0 5% bwoc BA-10A + 4% bwoc MPA-5 + 63 2% Fresh Water, 13 8 ppg

Yield 1 37cf/sk

TOC for All Strings

Production 2,600'

ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA