Fgrm 3160-5 (Åugust 1999)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

**BUREAU OF LAND MANAGEMENT** 

OCD-ARTESIA

FORM APROVED

OMB NO. 1004-0135						
<b>EXPIRES:</b>	<b>NOVEMBER 30, 2000</b>					

Lease Serial No.

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o r	ot	use	this	form	for	proposals					

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals	Month Year	NM 88134 6. If Indian, Allottee or Tribe Name		
SUBMIT IN TRIPLICATE	MM ARTISIA NM	7. Unit or CA Agreement Name and No.		
1a. Type of Well 🗸 Oil Well 🗌 Gas Well 🔲 Other		8 Well Name and No.		
Name of Operator     DEVON ENERGY PRODUCTION COMPANY, LP		HB 11 Federal 11  9. API Well No.		
Address and Telephone No.     North Broadway, Ste 1500, Oklahoma City, OK 73102     405-235	i-3611	30-015-29739  10. Field and Pool, or Exploratory		
Location of Well (Report location clearly and in accordance with Federal requirements)     Lot J SEC 11 T24S R29E	ents)*	Cedar Canyon; Bone Spring  12. County or Parish 13. State		
CUEOU A PRECORIATE ROYA, TO INDICATE NA	TURE OF MOTION PERSON	Eddy NM		

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OS SUBMISSION TYPE OF ACTION Production (Start/Resume) J Water Shut-Off Acidize Deepen ✓ Notice of Intent Alter Casing Fracture Treat Reclamation \_\_\_ Well Integrity Other Subsequent Report Recomplete ☐ Casing Repair **New Construction** Plug and Abandon Temporarily Abandon Change Plans Final Abandonment Notice Plug Back Water Disposal Convert to Injection

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepen directionally or recomplete horizontally, give subsurface location 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 requirement, including reclamation, have been completed, and the operator has

Devon Energy Production Company, L.P. respectfully requests to recomplete to the Delaware Cherry Canyon.

- 1. MIUL 6000' +/- of 2-7/8"/ 6.5#/ J-55/ EUE production tubing.
- 2. RU WLSU. NU wireline BOPE and test per company guidelines. RIH w/4" csg gun & perf 2 SPF (120° phased) from 5512 -5514' (4 shots). RD WL.
- 3. MIRU WSU. NU BOP and test BOPs and casing per company guidelines.
- 4. RIH w/ treating packer on 2-7/8" tubing to 5490'.
- 5. MIRU treaters. Pickle tubing w/500 gal pickle acid. Reverse out. RIH to 5514' and spot 2 bbls 7.5% Pentol acid across perfs. PU to 5350'. Set packer & establish PIR w/2% KCI.
- 6. Acidize zone w/500 additional gals 7.5% Pentol acid at 3-5 BPM dropping 10 1.3 sg ball sealers evenly spaced. SD & record 15 min SIP.
- 7. RU swab & swab test zone for cut & entry. Possible frac, depending on entry and cut.
- 8. Release packer & RIH through perfs to clear balls. PU & reset packer @ 5300'.
- If frac treatment is appropriate based on entry and cut, frac down tubing @ 10 BPM w/ approximately 20,000# 16/30 Ottawa & RC as per treaters recommendation. Max pressure 5500 psi on tbg.
- 10. Flow well back immediately at ½ to 1 BPM until well dies. Rig down treaters.
- 11. MIRU WLSU. NU wireline BOPE and test per company guidelines.
- 12. If zone 1 was frac'ed, run gauge ring on wireline to 5550' +/- . If no cleanout necessary, RIH w/4" casing gun & perf 2 SPF (120° phased) from 5338'- 5344' and 5310 - 5315' (22 holes). RD WLSU.
- 13. RIH with treating packer and RBP on tubing and set RBP below new perfs (approximately 5450'). Test RBP to 2000 psi.
- 14. PUH to 5344' and spot 2 bbl 7.5% Pentol acid across new perfs.
- 15. PUH to 5150' +/- and set treating packer. Establish PIR w/ 2% KCI.
- 16. Acidize 5310 44' w/1500 gals 7.5% Pentol acid at 3-5 BPM dropping 135 1.3 sg ball sealers evenly spaced. SD & record 15

min SIP. (Continue on Page 2)	entor acid at 5-5 bit ivi dropping 100 1.0 39 bit	all scalers eve	Thy spaced. OD a record 15
I hereby certify that the foregoing is true and correct	Name Judy A. Barnett Title Regulatory Analyst	Date	5/2/2007
(This space for Federal or State Office use)  Approved by Conditions of approval, if any:	Title	Date	APPROVED MAY 4 2007
Tibe to U.S.C. Secular root, makes it a crime for any person knowing	gy and williding to make any department or agency of the oritied states any within its jurisdiction.	raise, inclidious or tradic	
	*See Instruction on Reverse Side		FREDERICK WRIGHT PETROLEUM ENGINEER

HB 11 Federal 11 API # 30-015-29739 NM 88134 Eddy County, New Mexico

- 17. RU swab & swab test zone for cut & entry.
- 18. Release packer & RIH through perfs to clear balls. PU & reset packer @ 6300'.
- 19. Frac down tubing @ 12 BPM w/ approximately 28,000# 16/30 Ottawa & RC as per treaters recommendation. Max pressure 5500 psi on tbg.
- 20. Flow well back immediately at ½ to 1 BPM until well dies. Rig down treaters.
- 21. Unset treating packer and retrieve RBP. POH.
- 22. RIH w/notched collar, 1 jt tbg, SN, 5 jts 2-7/8" tubing, TA, and 2-7/8" tubing to 6600' +/- (Set TAC above top perfs). ND BOP & NU WH. RIH w/2 ½" x 1 ½" pump, and rods per recommendation to follow. Hang on to pump @ 9x120" SPM. RDMO PU. Test until further notice.
- 23. If Delaware recompletion is non-commercial, after permitting is complete, will proceed to convert to SWD. Injection zone is Bell Canyon, 3265 3658'. Will require 300 sx squeeze to raise TOC behind production casing (current TOC is 3514'). Interval will be acidized and fracture treated.

## **SUNDRY NOTICE SPECIAL STIPULATIONS**

- 1. Approval is granted to recomplete this well for production with the following modifications:
- 2. If the production recompletions are not successful, a separate sundry will be necessary for conversion too water injection..

Engineering can be reached at 505-706-2779 for any variances that might be necessary.

**F Wright** 5/4/07