

OCD-ARTESIA

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  
NM 89051

6. If Indian, Allottee or Tribe Name

**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  
20 N Broadway, Oklahoma City, OK 73102-8260

3b. Phone No. (include area code)  
405-235-3611

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

8 Well Name and No  
Apache 24 Fed 1

9 API Well No  
30-015-27587

10 Field and Pool or Exploratory Area  
Los Medanos North (Strawn)

4. Location of Well (Footage, Sec. T., R., M., or Survey Description)  
1200 FDL & 330 FEL SEC 24 T22S R 30E

11 Country or Parish, State  
Eddy County, NM

**12. CHECK THE 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"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input 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 checked="" type="checkbox"/> Recomplete     | <input type="checkbox"/> Other          |
|  | <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 recompleate 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 recompleation 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.)

Devon Energy Production Company L. P. respectfully requests to plug back the Strawn perfs & recompleate to the 3rd & 1st Bone Spring as follows:

1. MIRU PU. Top Kill well w/ 2% KCL. ND WH. NU BOP.
2. Rise PLS pkr @ 12550'. TOH w/ 2-3/8" tubing. LD BHA.
3. PU & TIH w/ RBP. Set @ +/- 12600'. Spot sand on top of RBP. TOH w/ tbg.
4. RU WL. RIH w/ 4" slick gun perf 3rd Bone Spring Sand 11,020 – 30'. RDMO WL.
5. PU & TIH w/ 3-1/2" WS & 7" Weatherford 10K HD pkr and set @ ~10,935'. ND BOP. NU WH.
6. RU BJ Services and acidize 3rd Bone Springs Sand w/ 7.5% Pentol acid w/ BS.
7. Swab test well. RDMO PU.
8. Frac down WS as per BJ proposal.
9. FWB.
10. MIRU PU. Kill well w/ 2% KCL. ND WH. NU BOP.
11. Rise 7" pkr & TOOH LD BHA & WS..
12. PU & TIH w/ 2-7/8" production tbg & 7" retrievable pkr. Set pkr @ +/- 10930'. ND BOP. NU WH.
13. Swab well. Evaluate for pumping unit

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL



Approval Subject to General Requirements  
& Special Stipulations Attached

Accepted for record

NMOCD 105/31/2012

(Attached)

14 I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Title Regulatory Specialist

Signature

Date 01/30/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title  
Office

APPROVED

MAR 19 2012

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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 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)

# Memo

**To:** Chris Walls  
**From:** Jimmy Turnini  
**CC:** Judy Barnett  
**Date:** 1/26/2012  
**Re:** Apache 24 Federal 1/API # 30-015-27587 – Bone Springs Justification

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Chris,

Please see below as per our conversation on Thursday, January 19, 2012.

The Apache "24" Federal 1 was originally completed 11/93 in the Morrow at 14086-14110'. The zone was abandoned shortly after first production and recompleted to the Atoka Banks at 13074-13083' in 10/94. This zone was produced until where it was temporarily abandoned in 05/96 to move up hole to the current Strawn completion at 12686-12701'. The zone was abandoned producing about 300 MCFD & 2 BOPD. There were intentions to commingle the Atoka Banks with the Strawn at a later date but this never came to fruition. Today's low gas prices do not make going back to this zone very economic at this time but we would like to keep it available to capture it in the future should prices increase. Oil prices remain high and recompleted to the Bone Spring is more attractive due to the oil potential. I am resubmitting this recompletion for your approval asking that you keep in mind that I do not want to permanently abandon the liner section yet because of the gas zone I described above. I have attached a production cure showing you the potential remaining the in the Atoka Banks. Please see my new recompletion procedure below.

1. MIRU PU. Top Kill well w/ 2% KCL. ND WH. NU BOP.
2. Release PLS pkr @ 12550'. TOH w/ 2-3/8" tubing. LD BHA.
3. PU & TIH w/ RBP. Set @ +/- 12600'. Spot sand on top of RBP. TOH w/ tbg.
4. RU WL. RIH w/ 4" slick gun perf 3rd Bone Spring Sand 11,020 – 11,030'. RDMO WL.
5. PU & TIH w/ 3-1/2" working string & 7" Weatherford 10K HD packer. Set packer @ ~10,935'. NDBOP. NUWH.
6. RU BJ Services and acidize 3rd Bone Springs Sand w/ 7.5% Pentol acid w/ bio ball sealers.
7. Swab test well. RDMO PU.
8. Frac down working string as per BJ proposal.
9. Flow well back:
10. MIRU PU. Kill well w/ 2% KCL. NDWH. NUBOP.
11. Release 7" pkr. TOH w/ pkr. LD BHA & workstring.
12. PU & TIH w/ 2-7/8" production tbg & 7" retrievable pkr. Set pkr @ +/- 10930'. NDBOP. NUWH.
13. Swab well in and place on test. Evaluate for pumping unit.

If you have any questions please don't hesitate to call.

Jimmy Turnini, Sr Staff Engineer, 405-228-4479, jimmy.turnini@dvn.com

**Apache 24 Fed #1**

AFE # 159894

**Objective - Plug back Strawn perms & recomplete uphole to the 3<sup>RD</sup> & 1<sup>st</sup> Bone Springs**

API# - 30-015-27587

GL - 3407'

TD - 14,525'

Location - Eddy Co. -- Sec 24 - 22S - 30E

KB - 3425.4' (18.4')

PBSD - 12,944 Blanking Plug set in Permanent Packer

| Casing       | OD      | WT/FT | Grade | Top     | Bottom  | TOC       | 80% Burst (psi) | 80% Collapse (psi) |
|--------------|---------|-------|-------|---------|---------|-----------|-----------------|--------------------|
| Surface      | 13-3/8" | 54.5# | K-55  | 0'      | 551'    | surface   |                 |                    |
| Intermediate | 9-5/8"  | 40#   | K-55  | 0'      | 3,840'  | surface   |                 |                    |
| Production   | 7"      | 26#   | L-80  | 0'      | 12,400' | 3500' EST | 5,072           | 4,328              |
| Liner        | 4-1/2"  | 13.5# | S-95  | 12,163' | 14,520' | TOL       | 9,960           | 8,300              |
| Prod TBG     | 2-3/8"  | 4.7#  | N-80  | 0'      | 12,538' | -         | 8960            | 9,424              |

Current perforations - 12,686' - 12,701' (Strawn) \*\*\*Sand is covering perms

Current BHA - 393 jts 2-3/8" tubing.

- 1) 4-1/2" 13.5# PLS Packer (4.02')
- 1) 2-3/8" X 10' Tbg Sub (10.17')
- 1) 2-3/8" X 1.0" Profile Nipple (1.19')
- 1) 2-3/8" X 6' Tbg Sub (5.93')
- 1) WL Re-entry guide (.39')

Total BHA Length - 12,574.08'

**Apache 24 Fed Com 1**  
**API #30-015-27587**  
**Devon Energy Production Company, L.P.**  
**March 19, 2012**  
**Conditions of Approval**

**In the event the property is sold or ownership is transferred in the future, the Operator shall be immediately obligated to completely drill out the temporary plugs and to properly abandon the deeper intervals. A NOI sundry will be required.**

1. Surface disturbance beyond the originally approved pad shall have prior approval.
2. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.
3. **A minimum of a 5000 (5M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.**
4. Steps 1 and 2 – OK
5. Step 3a – Set a drillable bridge plug inside the 4-1/2" liner to be approximately 50' above the px plug and packer tailpipe assy currently in place above the Atoka perforations. This bridge plug is required to provide temporary plugback from the Atoka. The Operator has the option to set an equivalent plug by using a 100' balanced CI H cement plug instead.  
Step 3b – OK (4-1/2" RBP with sand at 12600' to temporarily isolate the existing Strawn perforations).  
Step 3c – Set a 7" drillable bridge plug or equivalent approximately 50' above the top of the 4-1/2" liner at 12163'. This bridge plug is required to provide temporary isolation for the top of the 4-1/2" liner. The Operator has the option to set an equivalent plug by using a 100' balanced CI H cement plug instead.  
Step 3d – Pressure test the casing to ensure wellbore integrity.
6. Steps 4 through 13 – OK

7. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
8. Completion Report and Subsequent sundry are required, detailing work done to include wellbore schematic.

TMM 031912