

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. NMNM0107697
2. Name of Operator DEVON ENERGY PRODUCTION CO. Email: Judith.Barnett@dm.com		6. If Indian, Allottee or Tribe Name
3a. Address 333 W. SHERIDAN OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-228-8699	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T19S R31E 660FNL 1980FWL		8. Well Name and No. RADAR 24 FEDERAL 1
		9. API Well No. 30-015-31357
		10. Field and Pool, or Exploratory LUSK;BONE SPRING
		11. County or Parish, and State EDDY COUNTY, NM

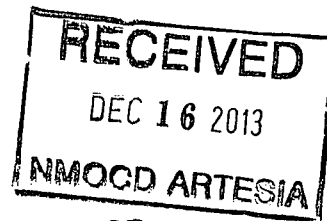
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> 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 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.)

Devon Energy Production Company L. P. respectfully requests to abandon existing Bone Spring & Delaware perms. Recomplete to Cherry Canyon as follows:

1. MIRU PU. POOH w/pump & rods.
2. ND WH. NU BOP & test. Rise pkr. POOH w/BHA.
3. RIH w/ CIBP on tbg. Set CIBP @ ~9600'. PUH & spot 300'(35sx CI H) cmt plug to 9500' (150' above DV Tool).
4. PUH & reverse circ tbg clean. RIH. Tag TOC.
5. RIH w/ CIBP on tbg & set @ ~7230'. PUH & spot 50'(~6sx CI C) on CIBP.
6. PUH & reverse circ tbg clean. RIH tag TOC.
7. RIH w/ CIBP on tbg & set CIBP '5250'. PUH & spot 50'(~6 sx CI C) on CIBP.
8. PUH & reverse circ tbg clean. RIH. Tag TOC. PT to 1000psi.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Accepted for record

14. I hereby certify that the foregoing is true and correct. Electronic Submission #228487 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 12/04/2013 ()	
Name (Printed/Typed) JUDITH A. BARNETT	Title SR. REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 12/03/2013

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 _____	

APPROVED

DEC 11 2013

/s/ Chris Walls

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.

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

Additional data for EC transaction #228487 that would not fit on the form

32. Additional remarks, continued

9. RU WL. Perf Cherry Canyon 4910-20' @ 2 spf: Total 20 holes. RD WL. RIH w/ pkr & test tbq to 8400psi.

10. RU & acidize. Set pkr @ 4700' & test. Unset pkr & spot 100g acid across perms. Set pkr & test to 500psi.

11. Hold 500psi on backside. Spearhead w/6K g, 15% HCL.

12. RU & RIH w/ swab & swab. RU frac crew & frac w/70K#'s 20/40. FWB. RIH w/ rods & pump. LT pump. RDMO PU. TOP.

Attachment

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: RADAR 24 FEDERAL 1	Field: LUSK WEST
Location: 660' FNL & 1980' FWL: SEC 24-T19S-R31E	County: EDDY State: NM
Elevation: 3558' KB: 3540' GL: 18' KB to GL	Spud Date: 10/4/00 Compl Date: 1/25/01
AP#: 30-015-31357 Prepared by: Ronnie Slack	Date: 10/22/13 Rev:

CURRENT SCHEMAT

17-1/2" hole
13-3/8", 48#, H40, STC @ 832'
Cmt'd w/778 sx, cmt to surface

12-1/4" hole
8-5/8, 24#, K55, STC, 0 - 2,200'
8-5/8, 32#, K55, STC, 2,200 - 4,505'
(csg pkr @ 2,584, DV @ 2,533)
Cmt'd w/1925 sx, cmt to surf

Delaware & Bone Spring Commingled 2/18/05

DELAWARE
5,300' - 5,304' (8/15/04)
5,311' - 5,316' (8/15/04)

Bone Spring 7040

BONE SPRING
7,288' - 7,272' (2/3/03)
7,280' - 7,283' (2/3/03)

BONE SPRING
8,535' - 8,545' (2/3/03)

BONE SPRING
8,801' - 8,814' (4/16/04)

DV @ 9,504'

BONE SPRING
9,657' - 9,670' (12/01-sundry date)
9,682' - 9,696' (12/01-sundry date)

BONE SPRING
9,874' - 9,880' (7/30/01)

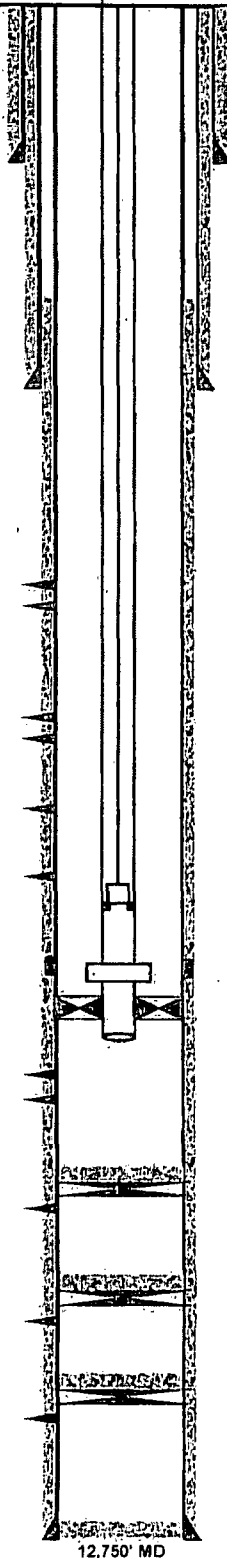
WC -10,490'

STRAWN
11,410' - 11,438' (5/1/01)

Morrow 11,997

MORROW
12,440' - 12,454' (1/25/01)

7-7/8" Hole
5-1/2", 17#, P110, LTC, 0' - 1,407'
5-1/2", 17#, L80, LTC, 1,407' - 10,831'
5-1/2", 17#, P110, LTC, 10,831' - 12,750'
Cmt'd w/1900 sx. TOC @ 2630' (temp survey)



2-7/8", 6.5#, L80, production tubing

1-1/4", rod pump @ 9,487'

SN @ 9,487'

On/Off Tool

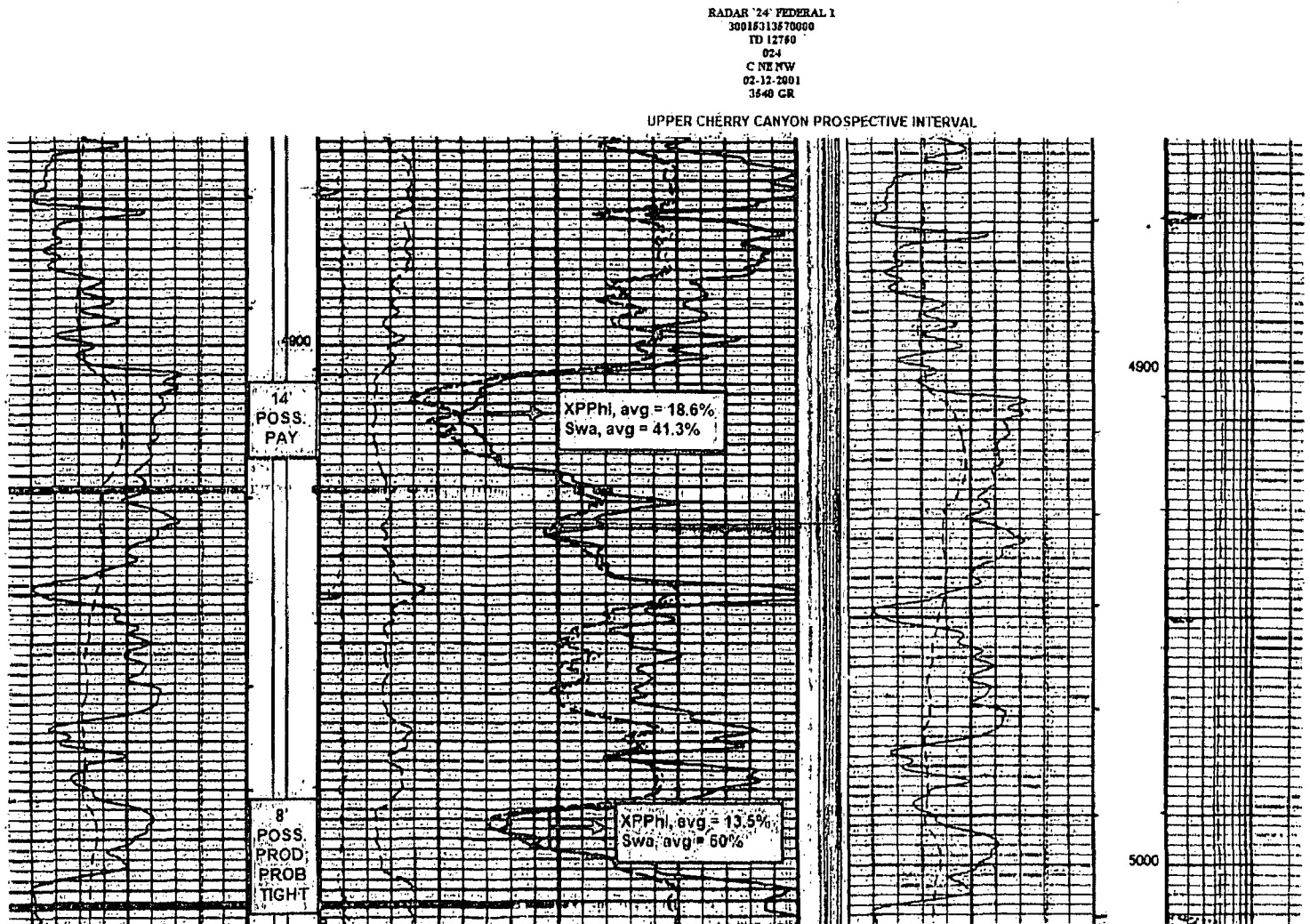
Arrowsat Packer @ 9,630' (8/17/13)

9,815' PBD
CIBP @ 9,850', w/35' cmt (12/01-sundry date)

11,340' PBD
CIBP @ 11,375', w/35' cmt (7/30/01)

12,365' PBD
CIBP @ 12,400', w/35' cmt (5/1/01)

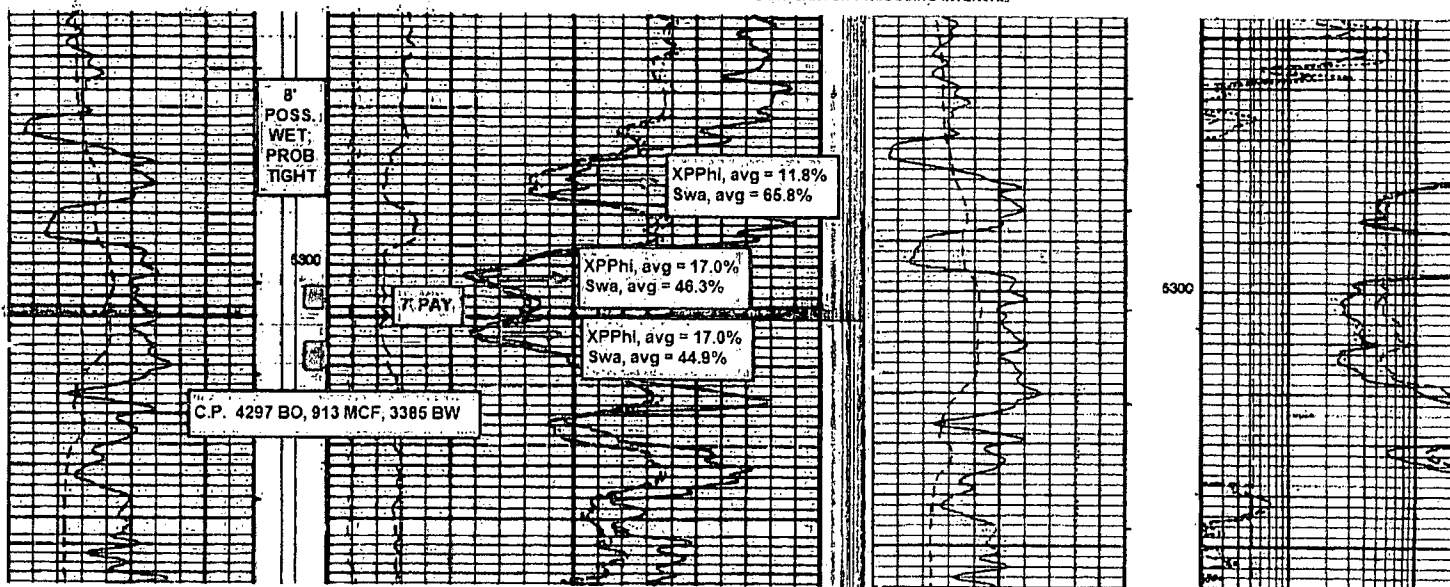
The Radar 24 Fed 1 prospective Cherry Canyon pay section looks like this (note the caliper and resistivity profile, both indicative of perm):



The existing Cherry Canyon producing zone look like this:

RADAR 24 FEDERAL 1
30018313670000
TD 12750
024
C NE NW
02-12-2001
3540 CR

LOWER CHERRY CANYON PRODUCING INTERVAL



**Radar 24 Fed 1
30-015-31357
Devon Energy Production Co.
December 11, 2013
Conditions of Approval**

- 1. Drill out CIBP at 9850' and spot a 205' plug must be set across the top of the Wolfcamp from 10,530'-10,325'.**
- 2. Set CIBP at 9600' and pump 35 sx of class H cement as proposed. Tag at 9400' or higher.**
- 3. Set CIBP at 7215' and spot 225' of class C cement to 6990'. (Bone Spring Top 7040').**
- 4. Set CIBP at 5250' and pump a minimum of 25 sx or bail 35' class C cement on top.**
- 5. Surface disturbance beyond the originally approved pad must have prior approval.**
- 6. Closed loop system required.**
- 7. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.**
- 8. Subsequent sundry, completion report and wellbore schematic required.**
- 9. See attached general plugback requirements.**

CRW 121113

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Production Zone Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from this approval.

If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.

Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.