

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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.  
LC-028446-A

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 North Broadway, Oklahoma City, OK 73102

3b. Phone No. (include area code)  
405-228-8973

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

8. Well Name and No.  
Mark Twain 5 Federal Com 2H

9. API Well No.  
30-015-38084

10. Field and Pool or Exploratory Area  
Dog Canyon; Wolfcamp

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2310' FSL & 330' FEL of Sec 5 T17S R28E

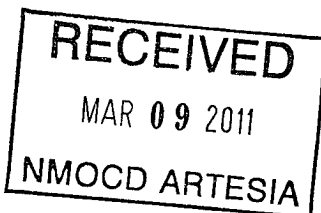
11. Country or Parish, State  
Eddy County, NM

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

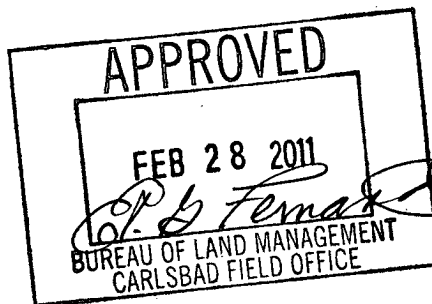
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change Procedure</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	for Cementing
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Production Casing

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.)

Devon Energy Production Company, LP respectfully requests permission to change the procedure for cementing production casing with well service unit; as per attached.



Accepted for record - NMOCD  
DJS



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

Name (Printed/Typed)  
Spence Laird

Title Regulatory Analyst

Signature

Date 02/22/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

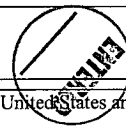
Date

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

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)





Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102-8260

405 235 3611 Phone  
www.devonenergy.com

February 24, 2011

U.S. Department of the Interior  
Bureau of Land Management  
Carlsbad, New Mexico

RE: Mark Twain 5 Fed Com 2H  
Sec 5 T17S R28E  
API 3001538084

Devon respectfully proposes the following procedure to cement the production casing in the subject well with a well service unit.

1. Drill 8 3/4" hole per APD and COA.
2. Make hole ready for running open-hole packer system
3. RIH with open-hole packer system on production casing as per APD. Position port collar with open-hole packer combo 100 ft above KOP (~5,900). Run production casing above port collar to surface as per APD. Note: Place top production packer at legal bottom hole location which is at least 330' off lease line.
4. Displace casing with 2% KCL water. Close circulating sleeve. Increase pressure and check for leaks. Increase pressure setting value for open-hole anchor and hold for 5 mins (approx 1800 psi). Increase pressure to setting pressure for all packers (final pressure approx 3200 psi). Once set, hold final pressure for 15 mins. Pressure work will be digitally recorded. Pressure work will give positive indication that all packers have set. Release pressure & observe well.
5. Watch well for indication of flow for 1 hour. If no flow is observed, BOP seals may be broken
6. Set slips & cut production casing. Install 11" 5K X 7 1/16" 5K tubing head. Pressure test to 5,000 psig as per FMC and submit documentation to the BLM. Install taped blind flange (dry hole tree) with valve and pressure gauge in place. Install taped bull plug valve and gauge on 9 5/8"x 5 1/2" annulus. Note: Contact BLM (575-361-2822) immediately if pressure is observed on either pressure gauge during the rig move or before well service unit is rigged up exceeds 50 psi. (Pressure fluctuations from temperature of the wellhead due to day/night temperature extremes may cause a shut in wellhead to fluctuate some amount of pressure).
7. RDMO drilling rig. Notify BLM (i.e. Contact BLM @ 575-361-2822) when rig is in the process rigging down to move off location.
8. Install pressure relief valves (150 psig set-point) on the casing and casing-casing annulus and flowline to frac tank.
9. Monitor pressure with chart recorder and check pressures every 12 hours. Attach charts and readings to subsequent Sundry.
10. Notify BLM when the well service unit is rigged up. Must be within 5 days of rig move off date.
11. RU well service unit. Check for pressure. NU 5K manual BOP equipped with a blind ram and a pipe rams (see attached diagram). Pressure test to BOP 4,500 psig. Note: if pressure observed on casing or casing-casing annulus, install a hydraulic BOP.

12. PU 5 ½" RBP on 2 7/8" tubing and set at ~5950'. Spot 2 sacks sand on plug. POOH. RIH with shifting tool on tubing. Open port and establish circulation. Pump cement and circulate to surface. Note: Notify BLM 4 hours before pumping cement. If cement does not circulate, run temperature survey and contact BLM.
13. POOH with shifting tool. RIH and retrieve RBP. POOH laying down tubing.
14. RDMO well service unit.

**Other Options if problems are encountered:**

Option 1 - Hole conditions below 9 5/8" intermediate casing deteriorate.

1. Set 7" intermediate at ~5,600' and circulate cement to surface.
2. Drill 6 1/8' hole and kick-off at ~5,900. Drill lateral to projected TD.
3. Run and set 4 ½" open-hole packer system on drill pipe and land on liner hanger.

Option 2 - Hole conditions at TD do not allow running 5 ½" open-hole packer system with rig.

1. Condition 8 ¾" hole and spot viscous mud pill in lateral.
2. Run 5 ½" casing with DV tool at ~5,900' with no production packers.
3. Cement well to surface utilizing a two stage cement operation. If cement does not circulate, run temperature survey and contact BLM.

Option 3 - Well service unit not available or location condition prohibits moving rig off in timely manner.

1. After installing tubing head, NU 5K hydraulic BOP with blind rams and 2 7/8" pipe rams. Pressure test to 4,500 psig.
2. RU wireline truck and set 5 ½" RBP at ~5950'. Dump bail 2 sxs sand on top of plug. RD truck.
3. Open port and establish circulation. Pump cement and circulate to surface. Note: Notify BLM 4 hours before pumping cement. If cement does not circulate, run temperature survey and contact BLM.
4. RIH and retrieve RBP.
5. RDMO drilling rig. Notify BLM (i.e. Contact BLM @ 575-361-2822) when rig is in the process rigging down to move off location.

