

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.*

SUBMIT IN TRIPLICATE – Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Devon Energy Production Co., LP

3a. Address
20 North Broadway
OKC, OK 73102

3b. Phone No (include area code)
(405)-552-7802

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW 1/4 330' FNL & 50' FWL BHL 330' FNL & 330' FEL
Sec 5-T17S-R28E

5. Lease Serial No.

NM-012897

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
Mark Twain 5 Federal Com 4H

9. API Well No.
30-015-37329

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

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	<u>for Cementing</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>Production Casing</u>

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

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

Name (Printed/Typed)

Gregory McGowen

Title Operations Engineering Advisor

Signature

Gregory McGowen

Date 07/09/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

APPROVED
JUL 12 2010
Date *Wesley W. Ingram*
WESLEY W. INGRAM
PETROLEUM ENGINEER

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)

DJA



July 12, 2010

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

**RE: Proposed Procedure to Cement with Well Service Unit
Mark Twain 5 Fed Com 4H
Sec 5 T17S R28E
API 3001537329**

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

1. After setting and cementing 9 5/8" 36# J-55 LTC intermediate casing at 2308', NU and test 5K BOPE (including HCR and remote kill line) according to BLM Onshore Order #2. Note: TOC surface and WOC time 8 hrs before cutting casing and NU BOP.
2. Test the formation below the casing shoe according to Onshore Order 2.III.B.1.i to an equivalent mud weight equal to the expected Wolfcamp reservoir pressure (9.0 ppg EMW).
3. Drill 8 3/4" pilot hole to 7,000'. Log. Set cement plug from 7,000' to 6,082'. Drill 8 3/4" curve and lateral to proposed TD of 11,278' as per APD and COA.
4. Ream hole as necessary and clean hole with high viscosity sweeps.
5. Make short trip and POOH laying down drill pipe.
6. RIH with 5 1/2" Peak open-hole packer system using 5 1/2" 17# HP-110 BTC casing. Position Weatherford FO port collar with open-hole packer below at ~5,900'. Run 5 1/2" 17# HP-110 BTC above port collar. Note: Place top Peak packer at legal bottom hole location which is at least 330' off lease line.
7. Displace casing with 2% KCL water. Drop 1" ball to close circulating sleeve. Hold 1,000 psig and check for leaks. Increase pressure to 1500 psig and set open-hole anchor and hold for 5 mins. Increase pressure and set all packers. Hold final pressure for 15 mins.
8. Perform 20K push-pull test on casing to confirm packers are set.
9. PU BOP and set slips on 5 1/2" casing. Make rough cut on 5 1/2" casing (hot work permit required). Lay down landing joint and make final cut on 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.

10. RDMO drilling rig.
11. Install pressure relief valves (150 psig set-point) on the casing and casing-casing annulus and flowline to frac tank.
12. Monitor pressure with chart recorder and check pressures every 12 hours. Attach charts and readings to subsequent Sundry.
13. Notify BLM when the well service unit is rigged up. Must be within 5 days of rig move off date.
14. 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.
15. 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.
16. POOH with shifting tool. RIH and retrieve RBP. POOH laying down tubing.
17. 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 ~5,700' and circulate cement to surface.
2. Drill 6 1/8" hole and kick-off at ~6,000'. Drill lateral to projected TD of ~10,600'.
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" float shoe, joint casing and float collar on 5 ½" casing with DV tool at ~5,900'.
3. Cement well to surface. 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. RU 2 7/8" handling tools. 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.
4. POOH with shifting tool. RIH and retrieve RBP. POOH laying down tubing.
5. RDMO drilling rig.

Sincerely,

Gregory McGowen
Operations Engineer
Devon Energy Corporation
Western Division
Phone: 405-228-8965
Cell: 405-464-9769

