

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. NMNM81616
2 Name of Operator DEVON ENERGY PRODUCTION CO LP		6 If Indian, Allottee or Tribe Name
3a Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102		7 If Unit or CA/Agreement, Name and/or No.
3b Phone No. (include area code) Ph. 405-552-7848		8 Well Name and No H B 10A FEDERAL 8
4 Location of Well (Footage, Sec., T., R., M.; or Survey Description) Sec 10 T24S R29E SESE 660FSL 400FEL		9 API Well No 30-015-29915-00-S1
		10 Field and Pool, or Exploratory CEDAR CANYON
		11 County or Parish, and State EDDY COUNTY, NM

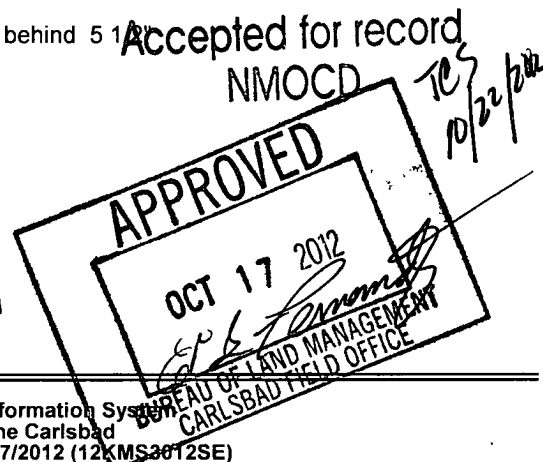
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Workover Operations

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 shall 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 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 approval to tie-in cement behind 5 1/2" production csg to the 8 5/8" intermediate csg as proposed in the attached procedure.

Please see attached workover proposal and wellbore schematic.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14 I hereby certify that the foregoing is true and correct	
Electronic Submission #147647 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 09/07/2012 (12XMS3012SE)	
Name (Printed/Typed) DAVID H COOK	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 08/28/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER	Date 10/17/2012
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 Carlsbad

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ******SEE ATTACHED FOR
CONDITIONS OF APPROVAL**



Workover - Raise cement top on 5-1/2" csg

Ron Hays
Engineer
405.552.8150

H B 10A Fed 8

WBS #

Objective - Tie- in Cement behind 5-1/2" production csg to 8-5/8" intermediate casing

API# - 30-015-29915

GL - 2,944 ft

TD - 8,214 ft

Location - Eddy Co.—Sec 10, 24S 29E, 660' FSL, 400' FEL

KB - (13')

PBTD - 8,174 ft

Casing	OD	#s/FT	Grade	Top	Bottom	TOC	80% Collapse (psi)	80% Burst (psi)
Surface	13-3/8"	48.00#	H-40	0'	350'	0'		
Intermediate	8-5/8"	24.00#	K-55	0'	2,933'	0'		2,360
Production	5-1/2"	15.5# 17#	K-55 K-55	0' - 6,030' -	6,030' 8,214'	Est. 3,210'	3,232	3,848
Production								
Tubing	2-7/8"	6.4#	N-80	0'	7,408'		8,928	8,456

Capacity 2-7/8" tbg - 0.00579 bbl/ft

Current Rods and Pump (Top down): 2 - 1" rod subs (?), 79 - 1" rods, 88 - 7/8" rods, 139 - 3/4" rods, 10 - 1" rods, 2' rod lift sub (?) and 2-1/2" X 1-1/4" X 20 X 22 RHBCHVRTS Pump.

Current TBG (Top down): 216 jts - 2-7/8", 6.5# (grade?) tbg (6,767'), 2-7/8" x 5-1/2" TAC w/ 45K shear (3'), 36 jts - 2-7/8", 6.5# (grade?) tbg (1,124'), 1 - 2-7/8" blast nipple (6'), 1 - 2-7/8" SN (1'), 1 - 2-7/8" perforated sub (4') and 1 - 2-7/8" bull plugged Mud anchor (31.90') TAC @ 6,782'; SN @ 7,912'; EOT @ 7,949'

Current perforations

Bone Spring (Avalon - 2003)

6,871' - 6,891' (20' - 40 holes)

Bone Spring (1998)

7,829' - 7,934' (5' - 6 holes)

7,844' - 7,949' (5' - 6 holes)

7,922' - 7,929' (7' - 8 holes)

Safety:

All personnel will wear hard hats, safety glasses with side shields, and steel toed boots while on location. Assess wellhead working height for safety. If needed, use work platform or man-lift for fall protection. H2S monitoring equipment is required by BLM to be on location.

8/16/2012



H B 10A Fed 8 Procedure

- 1) Test anchors. Hot water tubing & rods 2-3 days prior to rig moving in.
- 2) Notify appropriate regulatory agencies prior to starting work.
- 3) MIRU WSU. NU rod rams. Unseat pump & TOH w/ rods & pump. ***Note grade & # of rods. Input into Wellview.
- 4) ND rod rams. NU BOPE. Test BOPE to Devon guidelines.
- 5) Unseat TAC. TOH w/ 2-7/8" tubing & BHA. ***Note number of joints of tubing and grade. If tubing or rods still look to have paraffin, make bit & scraper run.
- 6) TIH w/ 5-1/2", 15.5# RBP and 2-7/8" tbg to 4,100' and set RBP. Circ, load and balance hole w/ 2% KCL. Test RBP & 5-1/2" casing to 1,500 psi for 30 min. If ok, dump 4 cu ft sand (~30') of sand on top of RBP. TOH w/ 2-7/8" tbg.
- 7) RU WL w/packoff. Run GR-CCL-CBL from 4,000' to 2,000'. Confirm TOC w/OKC ** see COA*
engineering before proceeding.
- 8) RU WL w/ full lubricator. Test lubricator to Devon guidelines. TIH w/ a 1' - 3-1/8" perf gun loaded 4 spf (90 degree phasing) and shoot squeeze holes ABOVE TOP OF CEMENT.
- 9) Open 8-5/8" Intermediate casing valves. Pump 2% KCL down 5-1/2" casing in attempt to circulation between 5-1/2" by 8-5/8" csgs through squeeze holes. Do not exceed 1,500 psi at surface down casing. If unsuccessful, contact OKC engineering to discuss next option(s) with a 5-1/2" packer. If ok proceed. ** see COA*
- 10) TIH with 5-1/2", (15.5# to 17#) cement retainer and 2-7/8" tbg to ~ 50' above squeeze holes and set retainer (hydro test 2-7/8" tubing to 8,000 psi below slips while TIH).
- 11) Sting in and out of cement retainer to make sure it is working properly.
- 12) RU pumping services. Test lines. Sting into cement retainer. Pump 2% KCL to determine if circulation can be achieved (below retainer) into squeeze perms (top pressure 1,500 psi at surface). If circ is achieved, pump @ minimum ~ 100 bbls of 2% KCL once circulation is established. Sting out of retainer.

H B 10A Fed 8**Procedure cont.**

- 13) RU BHI cementing services (proposal # 690851024B) or equivalent. Test lines. Sting into retainer.
- a. Establish circ & pump 20 bbls fresh water ahead
 - b. Mix & pump ~ 375 sks 60:40 Poz Class C cement (catch surface samples of cmt).
 - c. Flush 2-7/8" tbg w/ fresh water. Leave at minimum, 1 bbl cement in tbg prior to stinging out of retainer.
 - d. Sting out of retainer and pick up 2-7/8" tbg 2' and reverse circ clean with a minimum 1-1/2 time tubing capacity with 2% KCL or until clean. Report any/all cement returns volumes noted.
 - e. TOH with 2-7/8" tbg and cement stinging tool (remove stinging tool)
 - f. RD BHI or equivalent cementing services
 - g. Run kill string and SWI a minimum of 24 hrs (check surface samples for hardness)
- 14) RU WL w/ packoff. Run GR-CCL-CBL Log from top of retainer to 200' above TOC. If Cement is not tied back to the Intermediate casing contact OKC engineering. If ok, proceed. ** See COA*
- 15) TIH with 4-3/4" bit, bit sub, (4-6) 3-1/2" drill collars, x/o and 2-7/8". Drill out cement retainer and cement. Drop down and wash out - 10' of sand and circulate clean. ** See COA*
- 16) Test 5-1/2" casing and squeeze holes to 1,000 psi. If ok, proceed. If not, contact OKC engineering. ** See COA*
- 17) TOH and lay down drill collars & bit.
- 18) TIH w/ RBP retrieving tool. Wash out remaining - 20' sand and circulate RBP clean.
- 19) Retrieve RBP and TOH with 2-7/8" tbg and RBP.
- 20) TIH w/ original BHA and rod design. Test downhole pump.
- 21) RDMO WSU and return all rentals.
- 22) Turn well over to production.

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: H B 10A Fed. No. 8		Field: Cedar Canyon	
Location: Sec. 10, T-24S, R-29E		County: Eddy Co.	State: New Mexico
Elevation: 2,944		Spud Date: 12/3/97	Compl Date: 1/6/98
API#: 30-015-29915	Prepared by: Ron Hays	Date: 8/16/12	Rev:

CURRENT WELLBORE SCHEMAT

17-1/2 inch hole
350' --- 13-3/8" | 48 lb/ft | H-40

11 inch hole
2,933' --- 8-5/8" | 24 & 32 lb/ft | K-55

3,210' --- Estimated TOC →

2998' - Delaware

3041'
↓
3765'

6774' = Bone Spring ←

Bone Spring (Avalon - 2003)
6,871' - 6,891' -- 40 holes

Bone Spring - 1998
7,829' - 7,934' -- 6 holes
7,844' - 7,849' -- 6 holes
7,922' - 7,929' -- 8 holes

7-7/8 inch hole
8,214' --- 5-1/2", 15.5 lb/ft, K-55 (0' - 6,030')
17 lb/ft, K-55 (6,030' - 8,214')

216 JTS 2-7/8", 6.5#, N-80

TAC @ 6,782' (9/12/05)

36 JTS 2-7/8", 6.5#, N-80

1-1/4" Pump

SN @ 7,912' (9/12/05)

8,174'-- PBTD

Conditions of Approval

Sundry dated 08/28/2012

H B 10A Federal #8

30-015-29915

Devon Energy Production

- 1. Surface disturbance beyond the originally approved pad must have prior approval.**
- 2. Closed loop system required.**
- 3. 2000 (2M) 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. Step 9 of operator's proposal – Also contact BLM if unsuccessful**
- 5. Step 14 of operator's proposal – Also contact BLM if cement does not tie back.**
- 6. Step 16 of operator's proposal – as stated Pressure test casing to 1,000 psi. Hold for 15min on a chart recorder and submit Chart recorder to BLM**
- 7. Operator to submit copy of CBL before cement work is done and a copy of CBL after work is done.**
- 8. Work to be completed in 90 days**
- 9. Subsequent sundry describing work done required**

EGF 101712