

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OC D 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.*

5. Lease Serial No.  
NMNM0405444

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
TODD 23A FEDERAL 38

2. Name of Operator **DEVON ENERGY PRODUCTION CO.** Contact: **PATTI RIECHERS**  
E-Mail: **patti.riechers@devn.com**

9. API Well No.  
30-015-35076

3a. Address  
333 W. SHERIDAN AVENUE  
OKLAHOMA CITY, OK 73102-5010

3b. Phone No. (include area code)  
Ph: 405-228-4248

10. Field and Pool, or Exploratory  
SAND DUNES;MORROW

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 23 T23S R31E NENE

11. County or Parish, and State  
EDDY COUNTY 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, LP respectfully request approval to abandon the MORrow and recomplete in the Atoka. **(SAND DUNES; ATOKA)**

Current Morrow perfs: 14703 - 14706'; 14716 - 14718'; 14722 - 14726'; 14750 - 14752' 14756 - 14760'.

Proposed procedure: Set 5-1/2" CIBP @ 14655'. Dump bail 35' of cement on top of CIBP. New PBTD @ 14620'. Perforate the Atoka Lime from 13840 -13863' and 13730 - 13756'. Acid stimulate the Atoka Lime @ 13840 - 13863 & 13730 - 13756' with 4000 gals 7.5% HCL/Organic Acid.

See attached for procedure details, well history and wellbore schematic.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**RECEIVED**  
Accepted for record FEB 18 2014  
NMOC D  
NMOC D ARTESIA

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

Electronic Submission #224295 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION CO. LP, sent to the Carlsbad  
Committed to AFMSS for processing by JUNE CARRASCO on 10/26/2013 ( )

Name (Printed/Typed) **PATTI RIECHERS**

Title **REGULATORY SPECIALIST**

Signature (Electronic Submission)

Date **10/24/2013**

**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**  
FEB 3 2014  
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.

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

*P. R. 1/28/14*

**DVN: Todd 23A Fed # 38**

**API #30-015-35076**

**SL: 660' FNL & 860' FEL**

**Sec 23-T23S-R31E**

**Eddy County, NM**

**10/4/13**

WBS #

**Purpose: Abandon Morrow; recomplete Atoka (Version 1)**

**GLM: 3,486' KBM: 3,509' KB: 23' AGL**

**T.D. - 15,300' PBDT - 14,740' ? KBM OR GLM (sand - 3/26/2007) Well spud - 11/10/2006**

**Casing and Tubing Data:**

Size	Wt. lb/ft	Grade	Interval	(80% S.F.) Collapse	(80% S.F.) Burst	Drift	Capacity (bbls/ft)
16"	65	H-40	0 - 860'	-	-	-	-
10-3/4"	45.5	J-55 & HCK-55	0 - 4,542'	-	-	-	-
7-5/8"	29.7	P-110	0 - 12,700'	4,272	7,576	6.750"	0.0459
5-1/2"	20	P-110H	12,387' - 15,298'	8,864	10,112	4.653"	0.0221
2-3/8"	4.7	P-110H	0 - 12,002'	11,040	12,320	1.901"	0.00387

2-3/8" x 5-1/2", 20# csg capacity: 0.0167 bbl/ft      2-3/8" x 7-5/8", 29.7# csg capacity: 0.0404 bbl/ft

7-5/8" csg - DV Tool @ 6,868'

Reported TOC outside 7-5/8" csg @ ~1,980' KBM

**Existing Production string (top down):**

1jt 2-3/8", 4.7#, P-110 tbg (31.66')

2-3/8", 4.7#, P-110 tbg sub (10.16')

463 jts - 2-3/8", 4.7#, P-110 tbg (14,570.45')

On/Off tool W/ 1.81" "F" Nipple (1.72') @ 14,635' KBM

5-1/2" x 2-3/8" Arrowset 1XX Packer @ 14,637' KBM

2-3/8", 4.7#, P-110 tbg sub (6.13')

"R" Profile Nipple w/ 1.769" No-Go (0.96)

WEG @ 14,652'

**Morrow**

**14,703' - 14,706' (3' - 12 holes)**

**14,716' - 14,718' (2' - 8 holes)**

**14,722' - 14,726' (4' - 16 holes)**

**14,750' - 14,752' (2' - 8 holes)**

**14,756' - 14,760' (4' - 16 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.

## Todd 23A Fed # 38

### Procedure:

1. **Notify all regulatory agencies prior to initiation of work (if required).** Hold tailgate safety meetings prior to R.U., each morning and before each operational change or event.
2. Test and/or install and test anchors. MIRU WSU. Spot necessary enclosed tanks, gas buster with flare stack and temporary flow lines to equipment. Record pressures on tbg, and csg.
3. Top kill tbg (if necessary) with 2% KCL.
4. ND Tree (send in tree to be maintained and tested for future use). NU 10K BOPE, w/1 set of blind rams on bottom plus 1 set of 2-3/8" pipe ram on top. Test BOPE to Devon guidelines.
5. Unset 5-1/2" Arrowset 1XX set @ 14,637' KBM. Drop down with 5-1/2" packer to ~ 14,700' KBM to check for salt, scale or fill.
6. TOH with 2-3/8" tubing and BHA (see detail above; send in packer & nipples to be redressed and inspected for re-use). If packer was able to drop downhole ok to 14,700' KBM, then proceed to step 7. If not, then roundtrip bit and scraper to 14,700' KBM.
7. RU WL with full lubricator. Test lubricator to Devon guidelines.
  - a. **TIH & set 5-1/2", 20# 10K CIBP @ 14,655' KBM.**
  - b. Load 7-5/8" & 5-1/2" csgs w/ 2% KCL. Test CIBP, 5-1/2" & 7-5/8" csgs to 1,500 psi at surface for 30 min.
  - c. Dump bail 35' of cement on top of CIBP (**New PBTD @ 14,620' KBM**) RD WL.
  - d. TIH w/ 3-1/8" slick guns loaded, 2 SPF 120 deg phasing (w/ 321T charges; 0.42" EHD; 37" Pen) and perforate the **Atoka Lime from 13,840' - 13,863' (23' - 46 holes) and from 13,730' - 13,756' (26' - 52 holes).** Correlate to open hole neutron log (**Schlumberger - Platform Express Three Detector Litho-Density Compensated Neutron/GR dated February 14<sup>th</sup>, 2007.**)
8. TIH with WEG (wireline entry guide), 1.81" "R" Profile Nipple ( w/1.769" No-Go), 6' x 2-3/8", 4.7# P-110 tubing sub, 5-1/2", 20# x 2-3/8" Arrowset 1XX (10K) packer, On/Off tool 10' x 2-3/8", 4.7# P-110 tubing lift sub and 2-3/8", 4.7#, P-110 tubing to ~ 13,660' KBM. Space out and set packer (hydrotest tubing to 9,000 psi below slips while TIH).
9. ND BOPE and NU Tree. Test tree to rating.
10. Install Tree saver. MIRU Halliburton Acid crew or equivalent and test lines. Apply 500 psi on tbg/csg annulus & monitor throughout job (have pop off on 7-5/8" csg by 2-3/8" tbg annulus to go off at 1,000 psi to blowback tank). **Acid stimulate the Atoka Lime @ 13,840' - 13,863' & 13,730' - 13,756' w/ 4,000 gals 7-1/2% HCL/Organic Acid (containing 150 bio balls- 5 stages) via tbg per (Halliburton proposal 369006v1).** Top surface pressure 9,000 psi. Let acid react 2 hrs while RD Halliburton.
11. Flowback load and flow test well. If necessary, RU swab equipment. Swab back acid job load to kick off. If well doesn't flow after load is recovered, make hourly swab runs. Record fluid entry & oil cut and report/discuss with OKC Engineering.
12. RDMO & turn well over to production.

**Todd 23A Fed # 38**  
Procedure (Cont.)

<b>Contact</b>	<b>Company</b>	<b>Office #</b>	<b>Mobile #</b>
Darryl Fuller	Devon (enr)	(405) 552 - 3665	(405) 708 - 0461
Ronnie Carre	Devon (cml supv)	(575) 748 - 0179	(575) 748 - 5528
Tony Bunch	Devon (cml supv)	(575) 746 - 5581	(575) 499 - 5432

**DEVON ENERGY PRODUCTION COMPANY LP**

Well Name: TODD 23A FED 38		Field: INGLE WELLS	
Location: 660' FNL & 860' FEL; SEC 23-T23S-R31E		County: EDDY	State: NM
Elevation: 3509' KB; 3486' GL		Spud Date: 11/10/06	Compl Date:
API#: 30-015-35076	Prepared by: Ronnie Slack	Date: 2/20/07	Rev:

20" Hole  
16", 65#, H40, BTC, @ 860'  
 Cemented w/960 Sx to surface

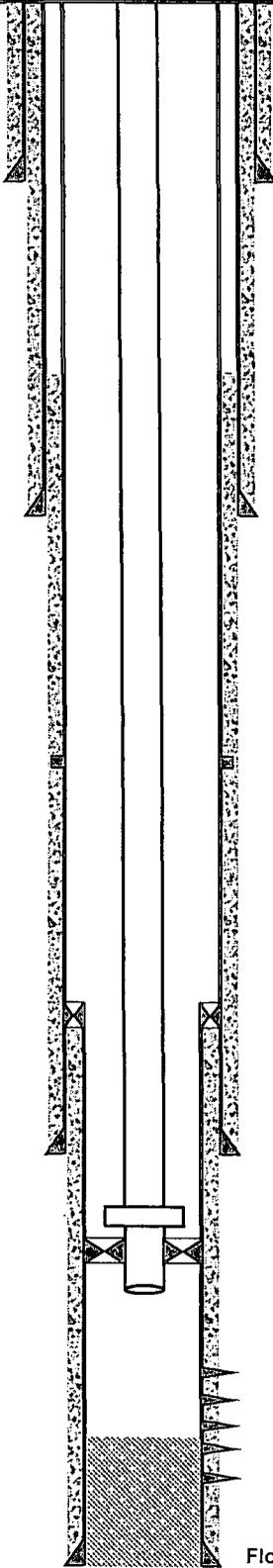
14-3/4" Hole  
10-3/4", 45.5#, J55 & HCK-55, BTC, @ 4,542'  
 Cemented w/2800 Sx to surface

DV Tool @ 6,886'

5-1/2" Top of Liner @ 12,387'

9-7/8" Hole  
7-5/8", 29.7#, P110, LT&C, @ 12,700'  
 Cemented w/1735 Sx. Reported TOC @ 1,980'

6-3/4" Hole  
5-1/2", 20#, P110H, STL, @ 15,298'  
 Cemented w/263 Sx



**Production Tbg (top down)**  
 1jt 2-3/8", 4.7#, P-110 tbg (31.66')  
 2-3/8", 4.7#, P-110 tbg sub (10.16')  
 463 jts - 2-3/8", 4.7#, P-110 tbg (14,570.45')  
 On/Off tool W/ 1.81" "F" Nipple (1.72' ) @ 14,635' KBM  
 5-1/2" x 2-3/8" Arrowset 1XX Packer @ 14,637' KBM  
 2-3/8", 4.7#, P-110 tbg sub (6.13')  
 "R" Profile Nipple w/ 1.769" No-Go (0.96)  
 WEG @ 14,652'

**Morrow**  
 14,703' - 14,706' (3' - 12 holes)  
 14,716' - 14,718' (2' - 8 holes)  
 14,722' - 14,726' (4' - 16 holes)  
 14,750' - 14,752' (2' - 8 holes)  
 14,756' - 14,760' (4' - 16 holes)

Float Collar @ 15,205'

14,740' PBTD  
 15,300' TD

**Todd 23A Federal 38**  
**30-015-35076**  
**Devon Energy Production Co., LP**  
**February 03, 2014**  
**Conditions of Approval**

**Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.**

**Work to be completed by May 03, 2014.**

- 1. Operator shall place CIBP at 14,655' and place a minimum of 25 sx class H cement plug on top. Tag required.**
- 2. Operator shall place a balanced class H cement plug from 14,473'-14,223' to seal the top of the Morrow formation.**

**NOTE: Operator has the option of setting a solid plug on from the CIBP at 14,655'-14,223' instead of step 1 and 2.**

- 3. Must conduct a casing integrity test to maximum treating pressure before any work can be done. Submit results to BLM.**
4. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
5. Surface disturbance beyond the originally approved pad must have prior approval.
6. Closed loop system required.
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. Operator to have H2S monitoring equipment on location.
9. 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 (5M 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.

**10. Subsequent sundry required detailing work done and completion report with the new formation. Operator to include well bore schematic of current well condition when work is complete.**

**JAM 020314**