

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
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

AUG 25 2011

FORM APPROVED  
OMB NO. 1004-0135  
EXPIRES: March 31, 2007

SUBMIT IN TRIPLICATE

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other

RECEIVED

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP

3. Address and Telephone No.

20 N. Broadway, Oklahoma City, Ok 73102-8260 405-235-3611

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

200 FSL 990 FWL M 6 T25S R32E

BHL D 330 FNL & 995 FWL

5. Lease Serial No.

NMLC-061863-A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Well Name and No.

Trionyx 6 Federal 2H

9. API Well No.

30-025-39949

10. Field and Pool, or Exploratory

Wildcat; Bone Spring

11. County or Parish State

Lea NM

12. CHECK APPROPRIATE BOX(S) 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 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 Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location 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 requirement, 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 MIRU and pump down the 9 5/8" by 5 1/2" annulus as per BJ Services recommended cement proposal which is attached. This will bring TOC into our 9 5/8" casing as per the COA's in the APD.



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

Signed Judy A. Barnett Name Judy A. Barnett X8699  
Title Regulatory Specialist

Date 8/17/2011

(This space for Federal or State Office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

Date \_\_\_\_\_

This document, when used in accordance with the instructions, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fraudulent or misleading statements or representations to any matter within its jurisdiction.

\*See Instruction on Reverse Side

AUG 29 2011

HOBBS OCD

AUG 25 2011

RECEIVED



Proposal No: 690850530A

Devon Energy Corp  
Trionyx 6 Federal #2H

API # 30-025-39949-0000

Sec. 6-25S-32E  
Lea County, New Mexico  
August 16, 2011

**Cement Proposal**

**Prepared for:**

John Logemann  
Operations Engineer  
Oklahoma City, Oklahoma  
Bus Phone: (405) 552-7862

**Prepared by:**

John Parks  
Region Technical Rep.  
Oklahoma City, Oklahoma



**Service Point:**

Artesia  
Bus Phone: (505) 746-3140  
Fax: (505) 746-2293

**Service Representatives:**

Michael Sarabia  
Field Supervisor  
Artesia, New Mexico

**Operator Name:** Devon Energy Corp  
**Well Name:** Trionyx 6 Federal #2H  
**Job Description:** Squeeze Job @ 5800'  
**Date:** August 16, 2011



**Proposal No:** 690850530A

### **JOB AT A GLANCE**

<b>Depth (TVD)</b>	5,800 ft
<b>Depth (MD)</b>	5,800 ft
<b>Hole Size</b>	8.75 in
<b>Casing Size/Weight</b>	5 1/2 in, 17 lbs/ft
<b>Pump Via</b>	5 1/2" O.D. (4.892" I.D) 17
<b>Total Mix Water Required</b>	3,564 gals
<b>Spacer</b>	
<b>SealBond</b>	15 bbls
<b>Density</b>	8.5 ppg
<b>Squeeze Slurry</b>	
<b>60:40 Poz:Class C (MPA)</b>	560 sacks
<b>Density</b>	13.8 ppg
<b>Yield</b>	1.37 cf/sack
<b>Displacement</b>	
<b>Fresh Water</b>	150 bbls
<b>Density</b>	8.3 ppg

**Operator Name:** Devon Energy Corp  
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## WELL DATA

### ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.835 CASING	4,375	4,375
8.750 HOLE	5,800	5,800

### SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.500	4.892	17	5,800	5,800

**Mud Density** 9.00 ppg  
**Est. Static Temp.** 124 ° F  
**Est. Circ. Temp.** 109 ° F

### VOLUME CALCULATIONS

1,000 ft x 0.1772 cf/ft with 0 % excess = 260.7 cf  
 1,425 ft x 0.1733 cf/ft with 15 % excess = 506.5 cf  
**TOTAL SLURRY VOLUME** = 767.2 cf  
 = 137 bbls

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## FLUID SPECIFICATIONS

Spacer 15.0 bbls SealBond + 10 lbs/bbl SealBond Plus @ 8.45 ppg

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Squeeze Slurry	767.2	/ 1.37	= 560 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.3% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64.7% Fresh Water

Displacement 152.0 bbls Fresh Water @ 8.34 ppg

## **CEMENT PROPERTIES**

### **SLURRY NO.1**

Slurry Weight (ppg)	13.80
Slurry Yield (cf/sack)	1.37
Amount of Mix Water (gps)	6.36
Estimated Pumping Time - 70 BC (HH:MM)	2:30

### **COMPRESSIVE STRENGTH**

12 hrs @ 120 ° F (psi)	
24 hrs @ 120 ° F (psi)	1200
72 hrs @ 120 ° F (psi)	2400
	3000

JOB WILL BE PUMPED DOWN 5 1/2 x 9 5/8 ANNULUS.

TOC @ 5950'.

DISPLACE CEMENT WITH NO MORE THAN 152 BBLS. (LEAVING TOC @ 3375')

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## **PRODUCT DESCRIPTIONS**

### **Class C Cement**

Intended for use from surface to 6000 ft., and for conditions requiring high early strength and/or sulfate resistance.

### **MPA-5**

Used to enhanced compressive, tensile, flexural strength development and reduced permeability

### **Poz (Fly Ash)**

A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

### **SealBond Spacer**

Forms a non invasive seal to prevent filtrate invasion into the producing formation.

### **Sodium Chloride**

At low concentrations, it is used an accelerator for cement slurries. At high concentrations, it is used for formation compatibility.

### **Sodium Metasilicate**

An extender used to produce an economical, low density cement slurry.