

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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. NMLC063622
2. Name of Operator DEVON ENERGY PRODUCTION CO., LP. Contact: ERIN L WORKMAN E-Mail: ERIN.WORKMAN@DVN.COM		6. If Indian, Allottee or Tribe Name
3a. Address 333 WEST SHERIDAN AVENUE OKC, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T19S R31E 1560FSL 200FEL		8. Well Name and No. BELLATRIX 28 FED COM 3H
		9. API Well No. 30-015-40333
		10. Field and Pool, or Exploratory GATUNA CANYON, BONE SPRING
		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"/> 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

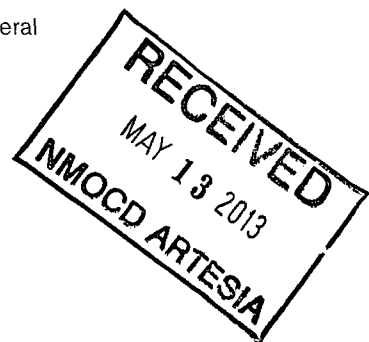
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical 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 recompleation 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 requests to reduce hole size in the lateral section from 8 3/4" tp 8 1/2" to attempt to reduce tripping issues through the whip-stock.

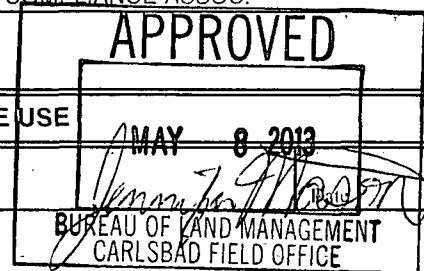
Attached is the cement program that has the updated volumes for the hole reduction.

Accepted for record
NMOC Dated 5/14/2013

Original COA Still Stand



14. I hereby certify that the foregoing is true and correct. Electronic Submission #205756 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO., LP, sent to the Carlsbad Committed to AFMSS for processing by JOHNNY DICKERSON on 05/01/2013 ()	
Name (Printed/Typed) ERIN L WORKMAN	Title REGULATORY COMPLIANCE ASSOC.
Signature (Electronic Submission)	Date 04/30/2013
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 _____	
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 **

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP
Well Name: Bellatrix 28 Fed Com #3H
Job Description: Long String
Date: April 29, 2013



Proposal No: 856350163C

JOB AT A GLANCE

Depth (TVD)	9,060 ft
Depth (MD)	14,222 ft
Hole Size	8.5 in 8.75 in
Casing Size/Weight	5 1/2 in, 17 lbs/ft
Pump Via	5 1/2" O.D. (4.892" I.D) 17
Total Mix Water Required	23,625 gals
Stage No: 1	Float/Landing Collar set @ 14,182 ft
Spacer	
Fresh Water	30 bbls
Density	8.3 ppg
Spacer	
Mud Clean II	1,500 gals
Spacer	
Fresh Water	10 bbls
Density	8.3 ppg
Lead Slurry	
35:65:6 Poz:Class H	755 sacks
Density	12.5 ppg
Yield	2.01 cf/sack
Tail Slurry	
50:50 Poz:Class H	1,340 sacks
Density	14.2 ppg
Yield	1.28 cf/sack
Displacement	
Displacement Fluid	330 bbls

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JOB AT A GLANCE (Continued)

Stage No: 2	Stage Collar set @	5,500 ft
Spacer		
Fresh Water		20 bbls
Density		8.3 ppg
Lead Slurry		
Class C + Additives		375 sacks
Density		11.4 ppg
Yield		2.88 cf/sack
Tail Slurry		
60:40 Poz:Class C (MPA)		150 sacks
Density		13.8 ppg
Yield		1.37 cf/sack
Displacement		
Displacement Fluid		128 bbls



WELL DATA

ANNULAR GEOMETRY

ANNULAR ID (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.835 CASING	4,250	4,250
8.750 HOLE	8,500	8,500
8.500 HOLE	14,222	9,060

SUSPENDED PIPES

DIAMETER (in)		WEIGHT	DEPTH(ft)	
O.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL
5.500	4.892	17	14,222	9,060

<u>STAGE: 1</u>	Float/Landing Collar set @	14,182 ft
	Mud Density	9.50 ppg
	Est. Static Temp.	152 ° F
	Est. Circ. Temp.	152 ° F

VOLUME CALCULATIONS

3,000 ft	x	0.2526 cf/ft	with	100 % excess	=	1515.6 cf
5,722 ft	x	0.2291 cf/ft	with	30 % excess	=	1704.0 cf
40 ft	x	0.1305 cf/ft	with	0 % excess	=	5.2 cf (inside pipe)
TOTAL SLURRY VOLUME					=	3224.8 cf
					=	575 bbls

<u>STAGE:</u> 2	Stage Collar set @	5,500 ft
	Mud Density	9.50 ppg
	Est. Static Temp.	124 ° F
	Est. Circ. Temp.	108 ° F

VOLUME CALCULATIONS

1,950 ft	x	0.2607 cf/ft	with	0 % excess	=	508.5 cf
842 ft	x	0.2526 cf/ft	with	100 % excess	=	425.3 cf
408 ft	x	0.2526 cf/ft	with	100 % excess	=	206.2 cf
TOTAL SLURRY VOLUME					=	1139.9 cf
					=	203 bbls

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FLUID SPECIFICATIONS

STAGE NO. 1

Spacer	30.0 bbls Fresh Water @ 8.34 ppg
Spacer	1,500.0 gals Mud Clean II
Spacer	10.0 bbls Fresh Water @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	1516	/ 2.01	= 755 sacks (35:65) Poz (Fly Ash):Class H Cement + 3% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.7% bwoc FL-52 + 0.3% bwoc ASA-301 + 6% bwoc Bentonite + 105.5% Fresh Water
Tail Slurry	1709	/ 1.28	= 1340 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.5% bwoc FL-52 + 0.25% bwoc Sodium Metasilicate + 57.2% Fresh Water
Displacement			329.7 bbls Displacement Fluid

CEMENT PROPERTIES

	<u>SLURRY NO.1</u>	<u>SLURRY NO.2</u>
Slurry Weight (ppg)	12.50	14.20
Slurry Yield (cf/sack)	2.01	1.28
Amount of Mix Water (gps)	11.01	5.76
Estimated Pumping Time - 70 BC (HH:MM)	5:00	4:00
Free Water (mls) @ 150 ° F @ 90 ° Angle	2.5	0.0
Fluid Loss (cc/30min) at 1000 psi and 150 ° F	300.0	50.0

COMPRESSIVE STRENGTH

12 hrs @ 150 ° F (psi)	300	600
24 hrs @ 150 ° F (psi)	650	1700
72 hrs @ 150 ° F (psi)	1100	2000

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FLUID SPECIFICATIONS (Continued)

STAGE NO. 2

Spacer				20.0 bbls Fresh Water @ 8.34 ppg
Lead Slurry	934	/	2.88	= 375 sacks Class C Cement + 1% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.3% bwoc FL-52 + 3% bwoc Sodium Metasilicate + 157% Fresh Water
Tail Slurry	206	/	1.37	= 150 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 65.1% Fresh Water

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Displacement			127.9 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO.1	SLURRY NO.2
Slurry Weight (ppg)	11.40	13.80
Slurry Yield (cf/sack)	2.88	1.37
Amount of Mix Water (gps)	17.69	6.40
Estimated Pumping Time - 70 BC (HH:MM)	3:45	2:30
Free Water (mls) @ 90 ° F @ 90 ° Angle	2.5	0.5
Fluid Loss (cc/30min) at 1000 psi and 90 ° F	300.0	200.0

COMPRESSIVE STRENGTH

12 hrs @ 112 ° F (psi)	130	
24 hrs @ 112 ° F (psi)	300	
12 hrs @ 125 ° F (psi)		900
24 hrs @ 125 ° F (psi)		1800
72 hrs @ 125 ° F (psi)		2500

CEMENT VOLUMES MAY VARY BASED ON CALIPER.

CIRCULATE CEMENT OFF DV TOOL AT NO MORE THAN 4-5 BPM.