

# OCD-ARTESIA

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0137  
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  
Federal Lease - LC028755(A)

6 If Indian, Allottee or Tribe Name  
N/A

**SUBMIT IN TRIPLICATE** - Other instructions on page 2

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

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8 Well Name and No  
Russell C 003

2 Name of Operator  
Tarco Energy, L C.

9 API Well No  
3001537783

3a Address  
12403 CR 2300  
Lubbock, TX 79423

3b Phone No (include area code)  
806-795-2042

10 Field and Pool or Exploratory Area  
Yates-Seven Rivers

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)  
T17S-R27E Section 35, #O 990 FSL, 2225 FEL

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 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 checked="" 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 recomple 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 recompletion 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.)

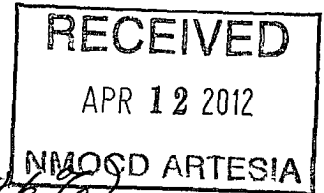
Revision of casing program to be:

12 1/4" hole from surface to 380'  
8 5/8" 24 lb J55 (NEW) casing from surface to 380'

7 7/8" hole to 540'  
4 1/2" 11 6 lb J55 (NEW) casing from surface to 540'

Class "A-B" Cement change approved by ~~Wesley Ingram~~ Ted Morgan

*Surface hole drilled prior to approval*



*Insufficient cement for 12 1/4" (-96%) and 7 7/8" (-7%) holes. Accepted for record*

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed)

Judy Teas - for Tarco Energy, L C

Title Secretary

Signature

*Judy Teas*

Date 03/22/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

**APPROVED**

APR 10 2012

Date

WESLEY W. INGRAM  
PETROLEUM ENGINEER

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.

Title 18 USC Section 1001 and Title 43 USC 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)

Following is information to perfect the APD. requested by BLM.  
 Joe Tarver  
 Russell # C 3 Lease — LC 028755 (A)  
 Drilling Program — item 3 and 4

Expected bottom hole pressure — 20 PSI  
 " " " Temperature — 75 degrees F

### 3. Casing Program:

Hole Size	Interval	O.D. Casing	Weight	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
12 1/4"	380'							
11"	0' - 360'	8 5/8"	24#	S/T	J55	1370	2950	139,000
				Safety Factor =		4.57	147	27.11
7 7/8"	540'							
	0' - 530'	4 1/2"	11.6#	L/T	J55	4960	5350	162,000
				Safety Factor =		15.51	248	26.35

The casing will be certified used when available, if not available it will be NEW

### 4. Cement Program: "A-B"

Class "D" neat cement — mix w/water @ 6.32gal per sac. Yield 1.32, Density 14.8  
 Slurry — We will use the same mix for surface and production string.

380'  
Surface string cement: 8 5/8" Cemented from 360' to the surface  
 12 1/4" 380'  
 11" hole — 8.58" — 360', Ann. Vol 91.51 CF, 70 Sac X 6.32 water, Yield  
 1.32 Slurry Density 14.8, Volume 16.3bbl, X 1.2 (for volume assurance) =  
 19.56bbl.

*insufficient cement*

540'  
Production string cement: 4 1/2" Cemented from 530' to the surface  
 8" cased hole to 380'  
 8" HOLE TO 360' THEN 7 7/8 HOLE TO 530', Ann. Vol 124.61CF,  
 95 Sac. X 6.32gal water per Sac = Yield 1.32, Slurry Density 14.8,  
 Volume 22.19 bbl X 1.2 (for volume assurance) = 26.63 bbl.

*insufficient cement*