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

5 Lease Serial No.
NMSF-078463-A

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.

6 If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - *Other instructions on page 2*

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

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

APR 16 2012
Farmington Field Office
Bureau of Land Management

8 Well Name and No
Lea Federal 100

2. Name of Operator
Burlington Resources Oil & Gas Company LP

9. API Well No.
30-045-33731

3a. Address
PO Box 4289, Farmington, NM 87499

3b Phone No (include area code)
(505) 326-9700

10 Field and Pool or Exploratory Area
Basin Fruitland Coal

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
Surface **Unit M (SWSW), 735' FSL & 895' FWL, Sec.34, T31N, R13W**

11. Country or Parish, State
San Juan , New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

BP

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 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)

Burlington Resources requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics.

Notify NMOCD 24 hrs prior to beginning operations

RCVD APR 23 '12
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Dollie L. Busse Title **Staff Regulatory Technician**

Signature Dollie L Busse Date 4/16/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Original Signed: Stephen Mason
Title
Date APR 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

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

NMOCD

(Instruction on page 2)

ConocoPhillips
LEA FEDERAL 100
Expense - P&A

Lat 36° 51' 3.528" N **Long 108° 11' 50.28" W**

PROCEDURE

This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.

3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.

4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing.

5. TOOH with rods and lay down (per pertinent data sheet). ND wellhead and NU BOPE. Function test BOP. PU and remove tubing hanger.

6. TOOH with tubing (per pertinent data sheet).

Rods:	Yes	**Size:**	1.315"	**Length:**	1911'
Tubing:	Yes	**Size:**	2-3/8"	**Length:**	1927'

Round trip casing scraper through deepest perforation or as deep as possible.

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

7. Plug 1 (Fruitland Coal perforations and formation top, ~~1542~~ 1441-1642', 12 Sacks Class B Cement)
PU CIBP for 4 1/2", 10.5#, J-55 casing and RIH set at 1642'. Load casing with water and attempt to establish circulation. Pressure test tubing to 1000psi. Pressure test casing to 800psi. Mix ~~12~~ sx Class B cement and spot inside casing above CIBP to isolate the Fruitland Coal perforations and formation top. PUH.

8. Plug 2 (Surface plug, Surface shoe, Kirtland and Ojo Alamo formation tops, 0-~~258~~ 278', 24 Sacks Class B Cement)
Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 24 sx Class B cement and spot a balanced cement plug inside casing from 2~~5~~8' to surface. Circulate good cement out casing valve. TOH and LD tubing. Shut in well and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the 4 1/2 casing and the BH annulus to surface. Shut well in and WOC.

9. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

Current Schematic

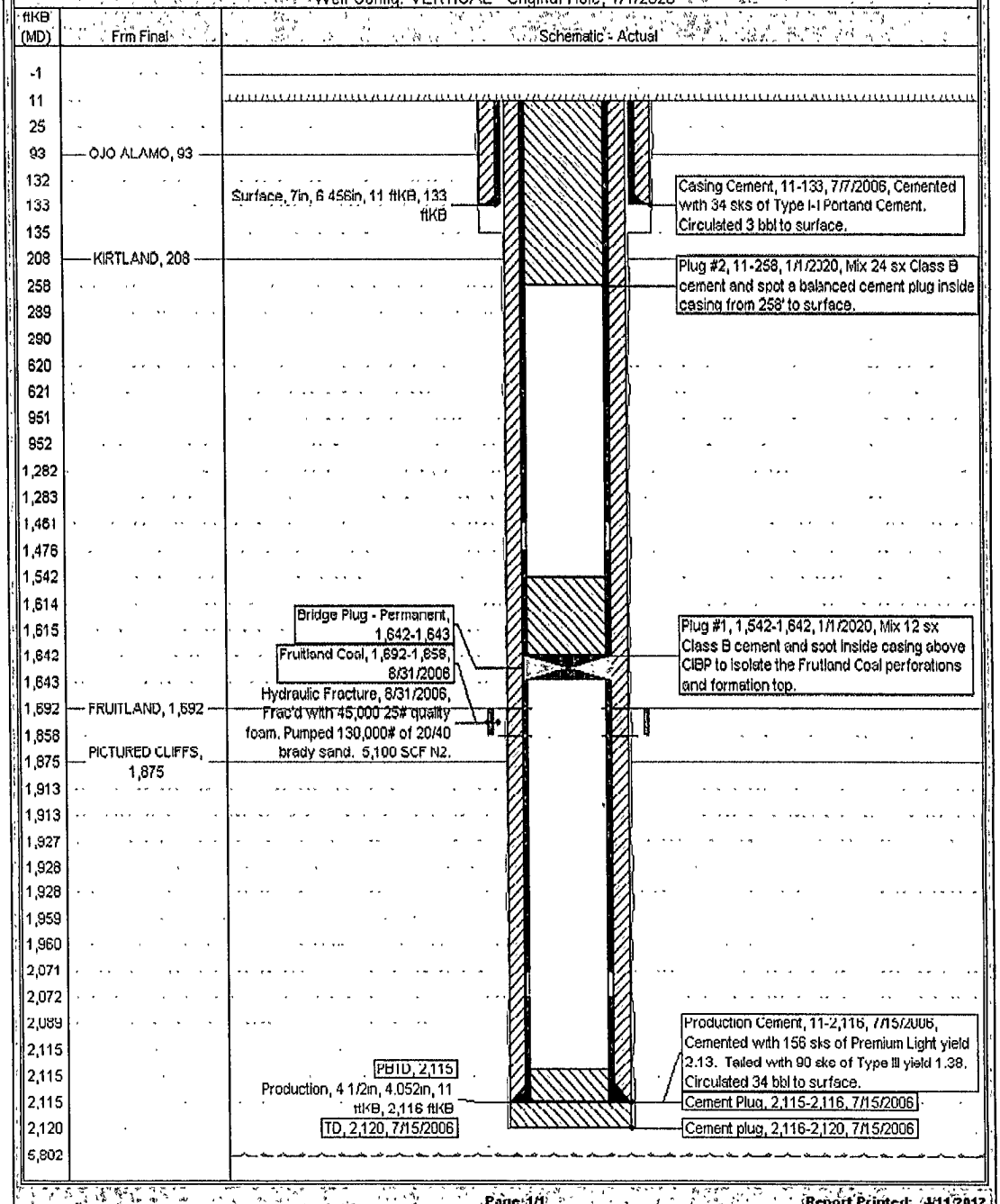
ConocoPhillips

Well Name: LEA FEDERAL #100

API/UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3004533731	U34-U31N-U13W-M	BASIN (FRUITLAND COAL)		NEW MEXICO	VERTICAL	

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,807.00	5,818.00	11.00	5,818.00	5,818.00

Well Config: VERTICAL - Original Hole, 1/1/2020



Report Printed: 4/11/2012

Schematic

ConocoPhillips

Well Name: LEA FEDERAL #100

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004533731	034-031N-013W-M	BASIN (FRUITLAND COAL)		NEW MEXICO	VERTICAL

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,807.00	5,818.00	11.00	5,818.00	5,818.00

Well Config: VERTICAL - Original Hole, 4/9/2012 7:34:48 AM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
-1			
11	11	Hollow Polished Rod, 7/8" ID, 26.0ft	
25	25		
93	93	Casing Cement, 11-133, 7/7/2006, Cemented with 34 sks of Type I-II Portland Cement. Circulated 3 bbl to surface.	OJO ALAMO, 93
132	132		
133	133	Surface, 7in, 6.456in, 11 ftKB, 133 ftKB	
135	135	Hollow Rod 1.049" ID, 264.1ft	
208	208		KIRTLAND, 208
289	289	Check Valve (Hollow), 0.5ft	
290	290	Hollow Rod 1.049" ID, 330.6ft	
620	620	Check Valve (Hollow), 0.5ft	
621	621	Hollow Rod 1.049" ID, 330.5ft	
951	951	Check Valve (Hollow), 0.5ft	
952	952	Tubing YELLOW, 2 3/8in, 4.70lbs/ft, J-55, 11 ftKB, 1,927 ftKB; Hollow Rod 1.049" ID, 330.2ft	
1,282	1,282	Check Valve (Hollow), 0.5ft	
1,283	1,283		
1,461	1,461	Hollow Rod 1.049" ID, 331.1ft	
1,476	1,476		
1,614	1,614	Check Valve (Hollow), 0.6ft	
1,615	1,614	Hydraulic Fracture, 8/31/2006, Frac'd with 45,000 25# quality foam. Pumped 130,000# of 20/40 brady sand. 5,100 SCF N2	
1,692	1,692	Hollow Rod 1.049" ID, 298.4ft; Fruitland Coal, 1,692-1,858, 8/31/2006	FRUITLAND, 1,692
1,858	1,858		
1,875	1,875		PICTURED CLIFFS, 1,875
1,913	1,912		
1,913	1,913	"F" NIPPLE 1.78, 2 3/8in, 4.70lbs/ft, J-55, 1,927 ftKB, 1,928 ftKB; Shear Coupling (Hollow), 0.7ft	
1,927	1,927	2" X 1 1/2" X 12' RWBC-Z HVR (Hollow), 13.5ft	
1,928	1,928	Price Type BHA w 4- 1/2"holes drilled below upset, 2 3/8in, 4.70lbs/ft, J-55, 1,928 ftKB, 1,959 ftKB; Strainer Nipple, 1.0ft	
1,928	1,928		
1,959	1,959	Mule Shoe, 2 3/8in, 4.70lbs/ft, J-55, 1,959 ftKB, 1,960 ftKB	
1,960	1,959		
2,071	2,071		
2,072	2,072	Production Cement, 11-2,116, 7/15/2006, Cemented with 156 sks of Premium Light yield 2.13. Tailed with 90 sks of Type III yield 1.38. Circulated 34 bbl to surface.	
2,089	2,089		
2,115	2,114		
2,115	2,115	PBTD, 2,115; Cement Plug, 2,115-2,116, 7/15/2006	
2,115	2,115	Production, 4 1/2in, 4.052in, 11 ftKB, 2,116 ftKB	
2,120		TD, 2,120, 7/15/2006; Cement plug, 2,116-2,120, 7/15/2006	
5,802			

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 100 Lea Federal

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

a) Bring the top of the Fruitland plug to 1441'.

b) Place the Kirtland/Surface plug from 278' to surface.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.