

# RECEIVED

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 07 2012

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

Farmington Field  
Bureau of Land Management

5. Lease Serial No.

SF-080560

6. If Indian, Allottee or Tribe Name

**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 page 2.**

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

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

8. Well Name and No.

Klein A 3

2. Name of Operator

Burlington Resources Oil & Gas Company LP

9. API Well No.

30-039-20226

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

10. Field and Pool or Exploratory Area

Otero Chacra

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

Surface Unit A (NENE), 500' FNL & 1180' FEL, Sec. 31, T26N, R6W

11. Country or Parish, State

Rio Arriba, New Mexico

**12. CHECK THE 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 type="checkbox"/> Other          |
|  | <input type="checkbox"/> Change Plans         | <input checked="" 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 recompleat 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 recompleat 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.**

Notify NMOCD 24 hrs  
prior to beginning  
operations

RCVD JUN 13 '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

6/6/12

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

Approved by

Original Signed: Stephen Mason

Title

Date

JUN 11 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.

(Instruction on page 2)

NMOCD

A

# ConocoPhillips

## KLEIN A 3

### Expense - P&A

Lat 36° 26' 53.196" N

Long 107° 30' 12.636" W

#### PROCEDURE

**Note:** 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. 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.

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. ND wellhead and NU BOPE. PU and remove tubing hanger.

6. TOOH with tubing/rods (per pertinent data sheet). LD tubing bailer (if applicable).

|                |     |              |           |                |       |
|----------------|-----|--------------|-----------|----------------|-------|
| <b>Rods:</b>   | No  | <b>Size:</b> |           | <b>Length:</b> |       |
| <b>Tubing:</b> | Yes | <b>Size:</b> | 1-1/4" IJ | <b>Length:</b> | 3,183 |
| <b>Packer:</b> | No  | <b>Size:</b> |           | <b>Depth:</b>  |       |

7. Run gauge ring from top of perforations (3,188') to surface.

#### 8. Plug 1 (Chacra perforations & formation top, 3038-3138', 5 Sacks Class B Cement)

Set CIBP at 3,138'. RIH with workstring and pressure test to 1000 psi. Load casing with water and attempt to establish circulation. Mix 5 sx Class B cement and spot inside the casing above CIBP to isolate the Chacra perforations and formation top. Circulate well clean with water. Pressure test casing to 800 psi. If casing does not test, then spot and tag subsequent plugs as necessary.

#### 9. Plug 2 (Pictured Cliffs formation top, 2255-2355', 5 Sacks Class B Cement)

Mix 5 sx Class B cement and spot a balanced cement plug inside casing to isolate the Pictured Cliffs formation top. POOH.

#### 10. Plug 3 (Fruitland, Kirtland & Ojo Alamo formation tops, 1580-1975', 149 Sacks Class B Cement)

Perforate 3 HSC holes at 1,975'. Set CR at 1,925'. Establish injection rate into squeeze holes. Mix 149 sx Class B cement. Sqz 136 sx Class B cement into HSC holes and leave 13 sx cement inside casing to isolate the Fruitland, Kirtland, & Ojo Alamo formation tops. POOH.

#### 11. Plug 4 (Nacimiento formation top, 767-867', 39 Sacks Class B Cement)

Perforate 3 HSC holes at 867'. Set CR at 817'. Establish injection rate into squeeze holes. Mix 39 sx Class B cement. Sqz 34 sx Class B cement into HSC holes and leave 5 sx cement inside casing to isolate the Nacimiento formation top. POOH & LD workstring.

#### 12. Plug 5 (Surface casing shoe & surface plug, 0-281', 101 Sacks Class B Cement)

Perforate 3 HSC holes at 281'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 101 sx Class B cement and pump down production casing to circulate good cement out bradenhead. Shut in well and WOC.

13. 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.

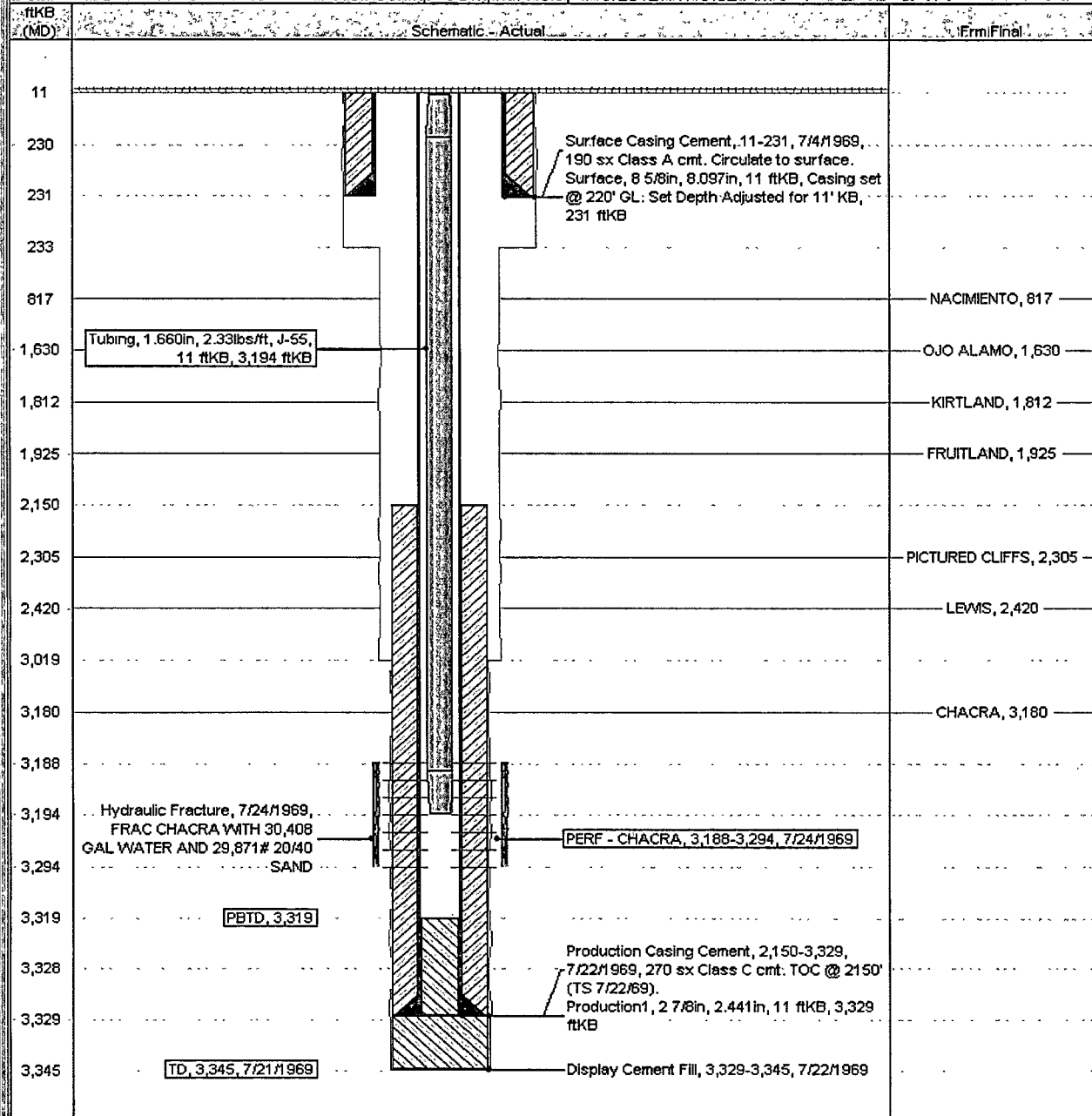
# Current Schematic

ConocoPhillips

Well Name: KLEIN A#3

|                       |                               |                              |                                 |                                 |                         |      |
|-----------------------|-------------------------------|------------------------------|---------------------------------|---------------------------------|-------------------------|------|
| API/UVI               | Surface Legal Location        | Field Name                   | License No.                     | State/Province                  | Well Configuration Type | Edit |
| 3003920226            | NMPM,031-026N-006W            | OTERO (CHACRA) GAS           |                                 | NEW MEXICO                      |                         |      |
| Ground Elevation (ft) | Original KB/RT Elevation (ft) | KB-Cased Hole Elevation (ft) | KB-Casing Hanger Elevation (ft) | KB-Tubing Hanger Elevation (ft) |                         |      |
| 6,197.00              | 6,208.00                      | 44.00                        |                                 |                                 |                         |      |

Well Config: Original Hole, 4/19/2012 11:19:02 AM



**ConocoPhillips**  
Well Name: KLEIN A#3

**Proposed Schematic**

|                  |                               |                     |                          |                          |                          |      |
|------------------|-------------------------------|---------------------|--------------------------|--------------------------|--------------------------|------|
| API/ UWI         | Surface Legal Location        | Field Name          | License No.              | State/Province           | Well Configuration Type  | Edit |
| 3003920226       | NMPM,031-026N-006W            | OTERO (CHACRA) GAS  |                          | NEW MEXICO               |                          |      |
| Gross Depth (ft) | Original KB/PT Elevation (ft) | KB-Gross Depth (ft) | KB-Casing Elevation (ft) | KB-Tubing Elevation (ft) | KB-Tubing Elevation (ft) |      |
| 6,197.00         | 6,208.00                      | 1,100               |                          |                          |                          |      |

Well Config: Original Hole, 1/1/2020

| ftKB<br>(MD) | Schematic   | Actual | From Final |
|--------------|---|--------|------------|
| 11           |   |        |            |
| 230          |   |        |            |
| 231          | Surface, 8 5/8in, 8.097in, 11 ftKB,<br>Casing set @ 220' GL. Set Depth<br>Adjusted for 11' KB, 231 ftKB |        |            |
| 233          |   |        |            |
| 281          | SQUEEZE PERFS, 281, 1/1/2020  |        |            |
| 767          |   |        |            |
| 817          |   |        |            |
| 818          | Cement Retainer, 817-818  |        |            |
| 867          | SQUEEZE PERFS, 867, 1/1/2020  |        |            |
| 1,580        |   |        |            |
| 1,630        |   |        |            |
| 1,812        |   |        |            |
| 1,925        |   |        |            |
| 1,926        | Cement Retainer, 1,925-1,926  |        |            |
| 1,975        | SQUEEZE PERFS, 1,975, 1/1/2020  |        |            |
| 2,150        |   |        |            |
| 2,255        |   |        |            |
| 2,305        |   |        |            |
| 2,355        |   |        |            |
| 2,420        |   |        |            |
| 3,019        |   |        |            |
| 3,038        |   |        |            |
| 3,138        | Cement Retainer, 3,138-3,139  |        |            |
| 3,139        |   |        |            |
| 3,180        |   |        |            |
| 3,188        |   |        |            |
| 3,194        | PERF - CHACRA, 3,188-3,294,<br>7/24/1969  |        |            |
| 3,294        |   |        |            |
| 3,319        | PBTD, 3,319   |        |            |
| 3,328        |   |        |            |
| 3,329        | Production1, 2 7/8in, 2.441in, 11<br>ftKB, 3,329 ftKB   |        |            |
| 3,345        | TD, 3,345, 7/21/1969  |        |            |

Surface Casing Cement, 11-231, 7/4/1969,  
190 sx Class A cmt. Circulate to surface.

Plug #5, 11-281, 1/1/2020, Mix 107 sx Class  
B cement and pump down production casing  
to circulate good cement out bradenhead.  
Plug #5, 11-281, 1/1/2020

Plug #4, 767-867, 1/1/2020, Mix 39 sx Class  
B cement. Sqz 34 sx Class B cement into  
HSC holes and leave 5 sx cement inside  
casing to isolate the Nacimiento formation top.  
Plug #4, 767-867, 1/1/2020

NACIMIENTO, 817

OJO ALAMO, 1,630

KIRTLAND, 1,812

FRUITLAND, 1,925

Plug #3, 1,580-1,975, 1/1/2020  
Plug #3, 1,580-1,975, 1/1/2020, Mix 149 sx  
Class B cement. Sqz 136 sx Class B cement  
into HSC holes and leave 13 sx cement inside  
casing to isolate the Fruitland, Kirtland, & Ojo  
Alamo formation tops.

PICTURED CLIFFS,  
2,305

Plug #2, 2,255-2,355, 1/1/2020, Mix 5 sx  
Class B cement and spot a balanced cement  
plug inside casing to isolate the Pictured Cliffs  
formation top.

LEWIS, 2,420

Plug #1, 3,038-3,138, 1/1/2020, Mix 5 sx  
Class B cement and spot inside the casing  
above CR to isolate the Chacra perforations  
and formation top.

CHACRA, 3,180

**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: 3 Klein A

**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) Place the Fruitland/Kirtland/Ojo Alamo plug from 2159' – 1553' inside and outside the 2 7/8" casing.

OR

a') Place the Fruitland plug from 2159' – 2059' inside the 2 7/8" casing since cement top is by temperature survey.

a") Place the Kirtland/Ojo Alamo plug from 1864' – 1553' inside and outside the 2 7/8" casing.

b) Place the Nacimiento/Surface plug from 375' to surface inside and outside the 2 7/8" casing.

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.