

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SEP 17 2013

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

2. Name of Operator

**Burlington Resources Oil & Gas Company LP**

3a. Address

**PO Box 4289, Farmington, NM 87499**

3b. Phone No. (include area code)

**(505) 326-9700**

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

**Surface UL L (NWSW), 1650' FSL & 990' FWL, Sec. 20, T31N, R8W**

5. Lease Serial No.

**SF-078511**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

**Quinn 1**

9. API Well No.

**30-045-10484**

10. Field and Pool or Exploratory Area

**Blanco MV**

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			
<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 Oil & Gas Company LP requests permission to P&A the subject well per the attached procedure, current & proposed well bore schematics. A closed loop system will be utilized for this P&A pocedure.

RCVD SEP 23 '13  
OIL CONS. DIV.  
DIST. 3

Notify NMOCD 24 hrs  
prior to beginning  
operations.

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

**Kenny Davis**

Title **Staff Regulatory Technician**

Signature

Date

**9/17/2013**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

**Original Signed: Stephen Mason**

Title

Date

**SEP 19 2013**

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

**ConocoPhillips****QUINN 1****Expense - P&A**

Lat 36° 52' 50.484" N

Long 107° 42' 12.852" W

Twinned Location: No

Currently Surface Commingled: No

Scope of Work: Remove rods and tubing; plug and abandon well.

Est. Rig Days: 5

Area: 5  
Formation: MV

Route: 505

**WELL DATA**

API: 30-045-10484

Spud Date: 10/21/1952

LOCATION: 1650' FSL &amp; 990' FWL, Unit Letter L - Section 20 - T 031N - R 008W

Artificial lift on well (type): Rod PumpEst. Reservoir Pressure (psia): 300 (MV)Critical Date: September 1, 2013Earthen Pit Required: NOH2S: 0 ppm-ALWAYS VERIFYWell Class: 1 Well Category: 1  
Refer to Well Control Manual for required barriers.**Special Requirements:**

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. Tools to pull and handle 2-1/6" tubing.

Contacts	Name	Office #	Cell #
Wells Engineer	Jessica Simpson	324-6197	324-6110
Wells Engineer Backup	Leanna Martinez	324-6110	215-2678
MSO	Corey Watson	-	947-5185
Spec	Fasho Trujillo	-	486-2556
Lead	Steve Baird	599-3457	320-2511
Area Supervisor	Jim Peace	324-5173	320-0210
Production Engineer	Erica Herring	326-9854	608-4631

**Well History/Justification**

The Quinn #1 was drilled in 1952 as a Mesaverde well. The well currently has a rod pump installed. However, the pump/tubing has been repaired 8 times since 1997. The well has a bad pump. The well struggles to maintain production if the rod pump is not working efficiently, but the well cannot afford the remedial work that would be required to repair the pump. The well is currently uneconomic and will continue to be even at \$4 realized gas price.

**Recommendation**

The well is considered uneconomic to produce. The expected uplift associated with any possible remedial work will not recover workover costs, and cannot be justified. Based on these considerations, it is recommended to plug and abandon this well.

\_\_\_\_\_  
Wells Engineer\_\_\_\_\_  
Superintendent\_\_\_\_\_  
Engineering Supervisor

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**ConocoPhillips**  
**QUINN 1**  
**Expense - P&A**

Lat 36° 52' 50.484" N

Long 107° 42' 12.852" 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 workover 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. Pressure test tubing to 1000 psi. Unseat pump. Kill well with water. TOH and lay down 3/4" rod string and pump. ( See Pertinent Data Sheet )

**Rods:**                      **Size:**                      3/4"                      **Length:**                      5,868'

5. ND wellhead and NU BOPE. Function and pressure test BOP. Use a test range of 200-300 psi for a low pressure test and 1500 psi for a high pressure test. PU and remove tubing hanger.

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

**Tubing:**                      **Size:**                      2-1/16" 3.25 ppf J-55                      **Length:**                      5,860'

Round trip with a 3-1/2" bit and watermelon mill to the top perf @ 5,268' or as deep as possible above the perfs.

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 Class B/ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

4556'

7. Plug #1 (Perfs, Intermediate Casing Shoe, Mesaverde top : ~~5,436'~~ 5,236', 11' sacks Class B cement)

TIH and set 4" CR on tubing at 5,236'. Pressure test tubing to 1000 psi. Sting out of CR and load and circulate casing clean, pressure test casing to 800 psi. If casing does not test, cement plugs may need to be tagged as necessary. TOOH with tubing. RU wireline and run CBL from CR at 5,236' to surface under 500 psi pressure, Send CBL to Wells Engineer, Superintendent and Regulatory. Plugs may change depending on CBL or if braidenhead has pressure. TIH open ended or with plugging sub to CR @ 5,236'. Mix 11 sx Class B cement and spot a balanced plug inside casing to isolate the perforations, intermediate casing shoe, and Mesaverde formation top. POOH.

4177' 4077'

8. Plug #2 (Chacra top: 4,450' - 4,550', 28 sacks Class B cement)

RIH with wireline and perf 3 HSC squeeze holes at 4500'. Set CR with wireline at 4,480'. TIH with tubing and sting in to CR. Establish injection through squeeze holes. Mix 28 sxs Class B cement. Sqz 17 sx Class B cement into HSC holes and leave 11 sx inside casing to isolate the Chacra formation top. POOH.

9. Plug #3 (Fruitland & Pictured Cliff tops: 2,770' - 3,423', 265 sacks Class B cement)

RIH with wireline and perf 3 HSC squeeze holes at 3,395'. Set CR with wireline at 3,373'. TIH with tubing and sting in to CR. Establish injection through squeeze holes. Mix 265 sxs Class B cement. Sqz 219 sx Class B cement into HSC holes and leave 46 sx inside casing to isolate the Fruitland and Pictured Cliffs formation tops. POOH.

10. Plug #4 (Kirtland, Ojo Alamo tops: 2,070' - 2,276', 91 sacks Class B cement)

RIH with wireline and perf 3 HSC squeeze holes at 2,276'. Set CR with wireline at 2,226'. TIH with tubing and sting in to CR. Establish injection through squeeze holes. Mix 91 sxs Class B cement. Sqz 73 sx Class B cement into HSC holes and leave 18 sx inside casing to isolate the Ojo Alamo and Kirtland formation tops. POOH.

11. Plug #5 (Intermediate Casing Cut Point (Liner Top): 1,747' - 1,847', 35 sacks Class B cement)

RIH with wireline and perf 3 HSC squeeze holes at 1,847'. Set CR with wireline at 1,797'. TIH with tubing and sting in to CR. Establish injection through squeeze holes. Mix 35 sxs Class B cement. Sqz 24 sx Class B cement into HSC holes and leave 11 sx inside casing to isolate the casing/liner top. PUH.

5800' 700'

12. Plug #6 (Nacimiento top: 760' - 860', 11 sacks Class B cement)

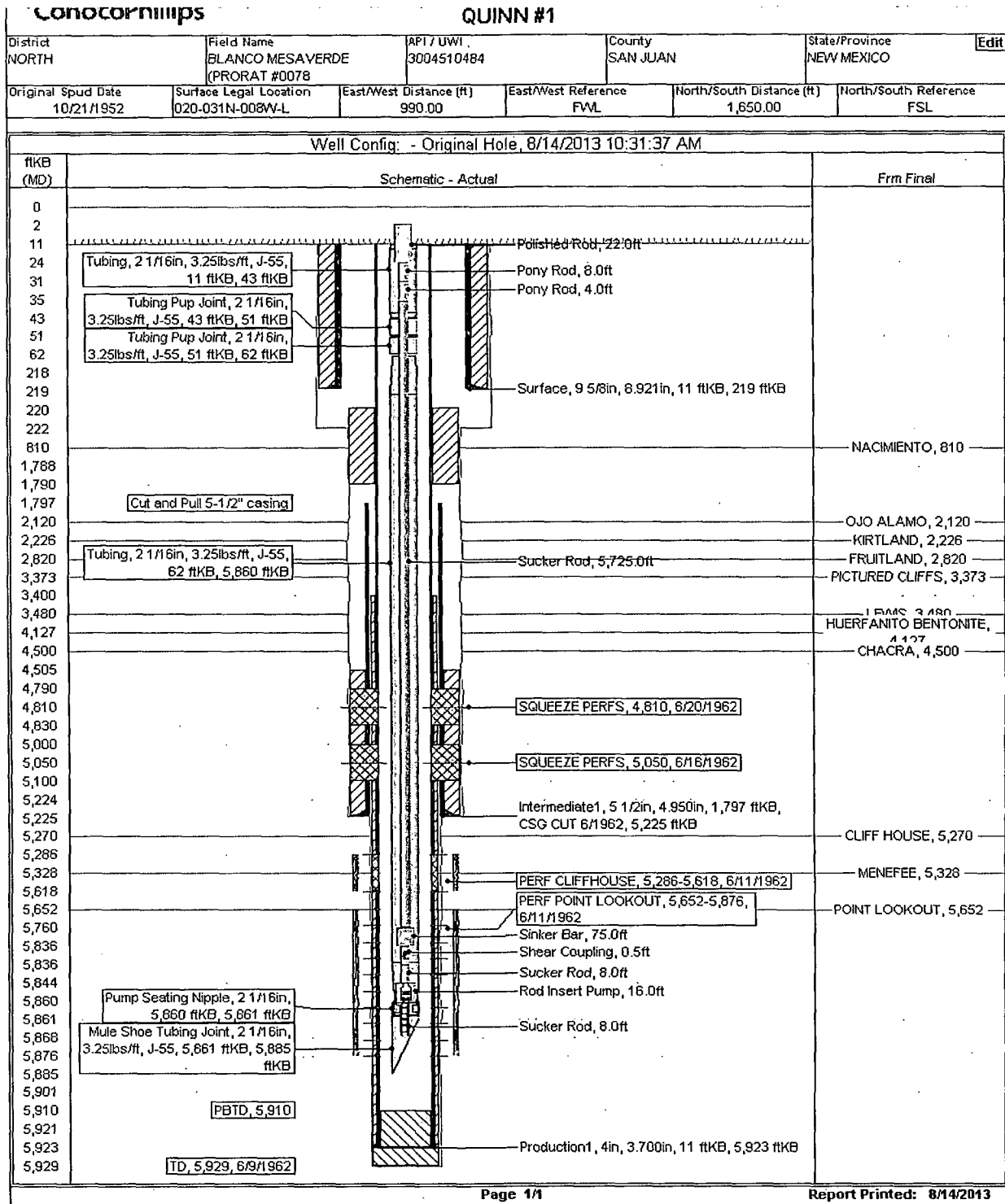
Mix 11 sx Class B cement and spot a balanced plug inside casing to isolate the Nacimiento formation top. POOH.

**13. Plug #7 (Surface casing shoe and surface: surface –269', 102 sacks Class B cement)**

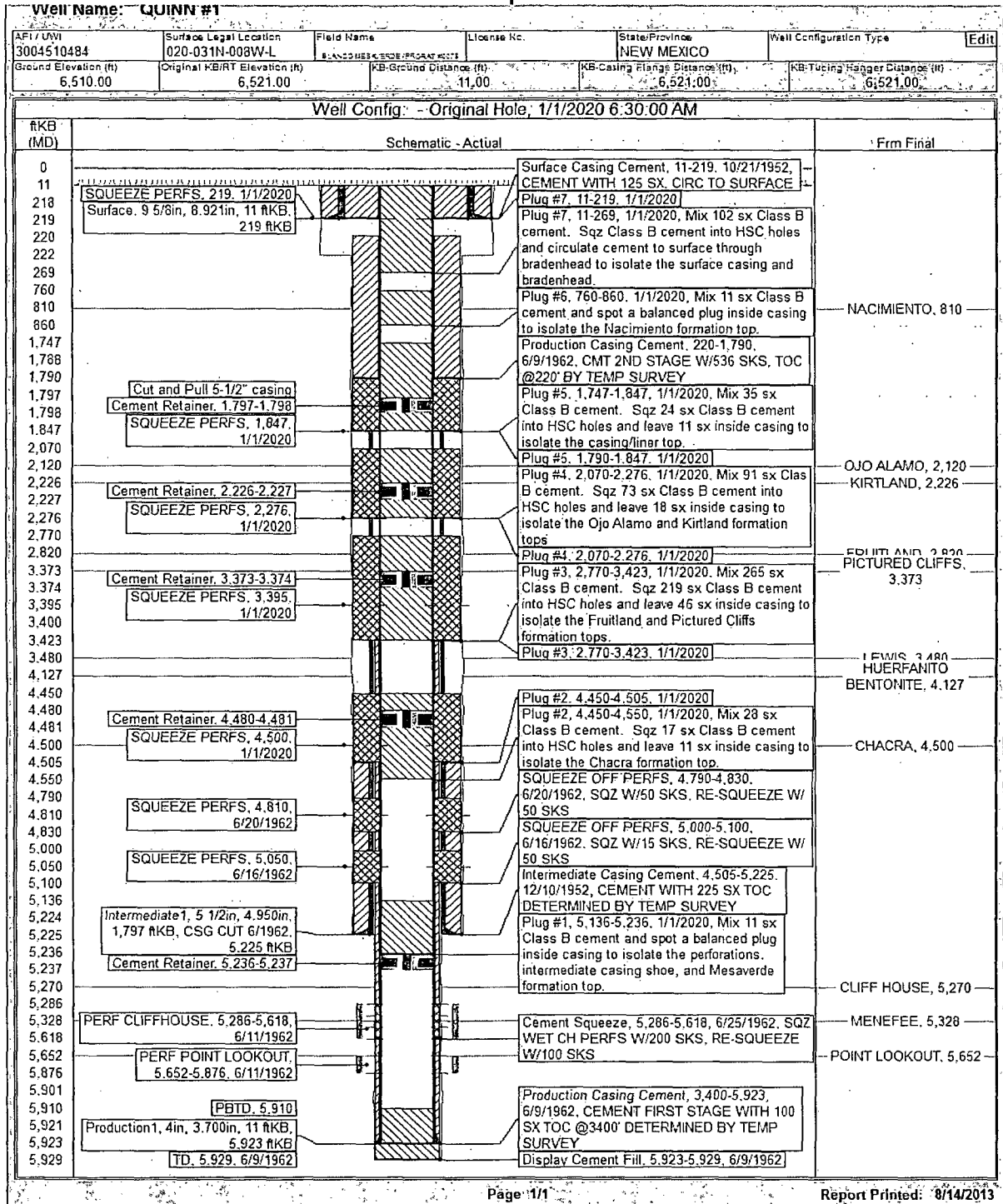
RIH with wireline and perf 3 HSC squeeze holes at 219'. Establish circulation through squeeze holes. Mix 102 sxs Class B cement. Sqz Class B cement into HSC holes and circulate cement to surface through bradenhead to isolate the surface casing & bradenhead. Shut in well and WOC. Tag cement top and top out cement as necessary.

14. 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



# Proposed Schematic



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: 1 Quinn

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 Measverde plug to 4856'.
- b) Place the Chacra plug from 4177' – 4077'.
- c) Place the Nacimiento plug from 800'- 700'.

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.