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Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 19 2013

Farmington Field Office
Bureau of Land Management

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

5. Lease Serial No. NMSF-080781

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.

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

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

8. Well Name and No. **Cain 21**

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

9. API Well No. **30-045-21800**

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

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

10. Field and Pool or Exploratory Area **Aztec PC / Blanco MV**

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
Surface Unit P (SESE), 1145' FSL & 955' FEL, Sec. 30, T29N, R9W

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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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.

RCVD FEB 27 '13
OIL CONS. DIV.
DIST. 3

Extend plug #2 upto 720'

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 2/18/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason Title Date FEB 25 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
Cain #21
Expense - P&A

Lat 36° 41' 33.252" N **Long 107° 48' 53.028" 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 pump tubing capacity of water down tubing.

5. ND wellhead and NU BOPE. Function and pressure test BOP. PU and remove tubing hanger.

6. TOOH. PU watermelon mill and round trip to 2,076' (or as deep as possible). Bail or CO as needed.

Tubing: Yes **Size:** 1.315" coil tbg **Set Depth:** 2,107 ft (KB)

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

7. Plug 1 (Perforations, Pictured Cliffs, & Fruitland, 1,500-2,026', 16 Sacks Class B Cement)
RIH and set 2-7/8" CIBP at 2,026'. Load casing and circulate well clean. Run CBL. Adjust plugs as needed based on TOC. Pressure test tubing to 1000 PSI. Pressure test casing to 800 PSI. If casing does not test, spot and tag subsequent plug as necessary. Mix 16 sx Class B cement and spot above CIBP to isolate the perforations & formation tops. POOH.

8. Plug 2 (Kirtland/ Ojo Alamo, 843-1,130', 89 Sacks Class B Cement) Note: CBL run on 9/8/01 TOC 1020'
RIH and perforate 3 HSC holes @~~1,060~~ 1050'. Set CR @ ~~1,050~~ 1040'. Establish injection through squeeze holes. Mix 89 sxs Class B cement. Sqz 79 sx Class B cement into HSC holes and leave 10 sx inside casing to isolate the Kirtland and Ojo Alamo top. TOOH. **Note:** Based on TOC on CBL, plug may need adjustments. The adjustments will be made on location with proper approvals and review.

10. Plug 3 (Surface Shoe, 0-188', 75 Sacks Class B Cement)
RIH and perforate 3 HSC holes @ 188'. Establish circulation through squeeze holes. Mix 75 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.

11. 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.

Schematic - Current

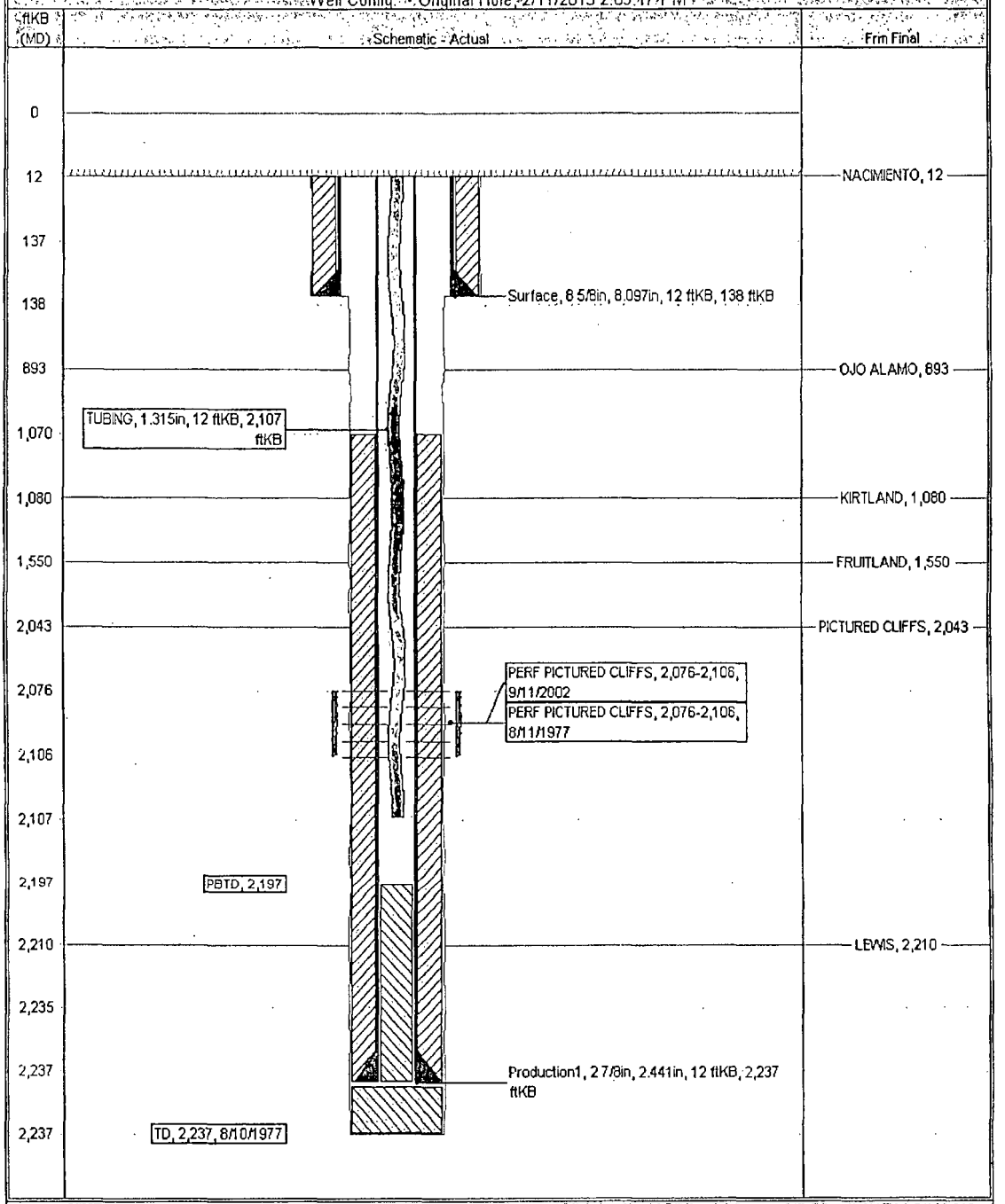
ConocoPhillips

CAIN #21

District	Field Name	API / UWI	County	State/Province	Edit
SOUTH	AZTEC PICTURED CLIFFS (GAS)	3004521800	SAN JUAN	NEW MEXICO	

Original Spud Date	Surface Legal Location	East/West Distance (ft)	East/West Reference	North/South Distance (ft)	North/South Reference
8/4/1977	NMPM,030-029N-009W	955.00	E	1,145.00	S

Well Config: - Original Hole, 2/11/2013 2:09:17 PM



Report Printed: 2/11/2013

Proposed Schematic

ConocoPhillips
Well Name: CAIN #21

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004521800	NMPM,030-029N-009W	ACTIVE: BASIN DAKOTA (GAS)		NEW MEXICO	Edit

Ground Elevation (ft)	Original RKB Elevation (ft)	RKB-Ground Distance (ft)	Casing Flange Distance (ft)	Tubing Hanger Distance (ft)
5,702.00	5,714.00	12.00	5,714.00	5,714.00

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

ftKB (MD)	Frm Final	Schematic - Actual
0		
12	NACIMIENTO, 12	
137		
138		Surface, 8 5/8in, 8.097in, 12 ftKB, 138 ftKB
168		SQUEEZE PERFS, 168, 1/1/2020
843		
893	OJO ALAMO, 893	
1,050		
1,051		Cement Retainer, 1,050-1,051
1,070		SQUEEZE PERFS, 1,060, 1/1/2020
1,080	KIRTLAND, 1,080	
1,130		
1,500		
1,550	FRUITLAND, 1,550	
2,026		
2,027		Bridge Plug - Permanent, 2,026-2,027
2,043	PICTURED CLIFFS, 2,043	
2,076		PERF PICTURED CLIFFS, 2,076-2,106, 9/11/2002
2,106		PERF PICTURED CLIFFS, 2,076-2,106, 8/11/1977
2,107		
2,197		PBTD, 2,197
2,210	LEWIS, 2,210	
2,235		
2,237		Production1, 2 7/8in, 2.441in, 12 ftKB, 2,237 ftKB
2,237		TD, 2,237, 8/10/1977

Surface Casing Cement, 12-138, 8/4/1977, CEMENT WITH 90 SX CIRCULATED TO SURFACE

Plug #3, 12-168, 1/1/2020, Mix 75 sx Class B cement, pump down production casing and circulate cement to surface through bradenhead.

Plug #2, 843-1,130, 1/1/2020, Mix 89 sx Class B cement, squeeze 79 sx behind casing and leave 10 sx inside casing to isolate the Kirtland and Ojo Alamo formation tops.

Plug #1, 1,500-2,026, 1/1/2020, Mix 16 sx Class B cement and spot above CIBP to isolate the Pictured Cliffs perforations and formation top.

Production Casing Cement, 1,070-2,237, 8/10/1977, CEMENT WITH 150 SX TOC DETERMINED BY TEMP SURVEY

PLUGBACK, 2,237-2,237, 8/11/1977