Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
NOV 08 2012
Farmington Field Office
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.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other	5. Lease Serial No. **SF-078508**
	6. If Indian, Allottee or Tribe Name
	7. If Unit of CA/Agreement, Name and/or No.
	8. Well Name and No. **Nordhaus 6**
2. Name of Operator **Burlington Resources Oil & Gas Company LP**	9. API Well No. **30-045-11004**
3a. Address **PO Box 4289, Farmington, NM 87499**	3b. Phone No. (include area code) **(505) 326-9700**
	10. Field and Pool or Exploratory Area **Blanco Mesaverde**
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* **Surface Unit N (SESW), 990' FSL & 1800' FWL, Sec. 1, T31N, 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			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
[ ] Final Abandonment Notice	[ ] Change Plans	[X] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] 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 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 NOV 14 '12
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)*

Dollie L. Busse Title **Staff Regulatory Technician**

Signature Dollie L Busse Date 11/7/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Original Signed: Stephen Mason**	Title	Date **NOV 09 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

ConocoPhillips
NORDHAUS 6
Expense - P&A

Lat 36° 55' 19.524" N **Long 107° 44' 2.976" 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. ND wellhead and NU BOPE. Pressure and function test BOP.

6. PU and remove tubing hanger. TOOH with tubing (per pertinent data sheet). LD tubing.

Rods:	No	**Size:**	---	**Depth:**	---
Tubing:	Yes	**Size:**	2-3/8"	**Depth:**	6015'
Packer:	No	**Size:**	---	**Depth:**	---

7. PU 2 3/8" workstring and round trip casing scraper to top perforation at 5186' (or as deep as possible).

8. RIH and set 5 1/2" cement retainer at 5136'. Load hole. Pressure test tubing to 1000 PSI. Run CBL to surface (plug depths may change per CBL).

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.

9. Plug 1 (Mesa Verde Formation Top & Perfs, 5036-5136', 17 Sacks Class B Cement)
TIH open ended with tubing to cement retainer @ 5136'. Load casing and circulate well clean. Pressure test casing to 800 psi. If casing does not test, spot and tag subsequent plug as necessary. Mix 17 sx Class B cement and spot above cement retainer to isolate the Mesa Verde perforations & formation top. PUH.

10. Plug 2 (Chacra Formation Top, ~~4577-4677~~ 4276-4176', 17 Sacks Class B Cement)
Mix 17 sx Class B cement and spot balanced plug to isolate the Chacra formation top. PUH.

11. Plug 3 (Intermediate Shoe, Picture Cliffs Formation Top, and Liner Top, 3370-3695', 55 Sacks Class B Cement)
Mix 55 sx Class B cement and spot balanced plug to isolate the Intermediate Shoe, Picture Cliffs formation top, and Liner top. POOH.

12. Plug 4 (Fruitland Formation Top, ~~2850-2950~~ 3127-3027', ~~71~~ Sacks Class B Cement)
~~Perforate 2 squeeze holes at 2950'. Set 7 5/8" cement retainer at 2900'. Establish injection rate into squeeze holes.~~ Mix ~~71~~ sx Class B cement. ~~Squeeze 37 sx cement outside the casing.~~ Leave 34 sx inside the casing to isolate the Fruitland formation top. POOH.

13. Plug 5 (Ojo Alamo & Kirtland Formation Tops, 2076-2237', 107 Sacks Class B Cement)
Perforate 2 squeeze holes at 2237'. Set 7 5/8" cement retainer at 2187'. Establish injection rate into squeeze holes. Mix 107 sx Class B cement. Squeeze 59 sx cement outside the casing. Leave 48 sx inside the casing to isolate the Ojo Alamo & Kirtland formation tops. POOH.

14 Plug 6 (Nacimiento Formation Top, 563-663', 71 Sacks Class B Cement)
Perforate 2 squeeze holes at 663'. Set 7 5/8" cement retainer at 613'. Establish injection rate into squeeze holes. Mix 71 sx Class B cement. Squeeze 37 sx cement outside the casing. Leave 34 sx inside the casing to isolate the Nacimiento formation top. POOH.

15. Plug 7 (Surface Shoe, 0-290', 156 Sacks Class B Cement)

Perforate 2 squeeze holes at 290'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 156 sx Class B cement and pump down production casing to circulate good cement out bradenhead. Shut in well and WOC.

16. 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.

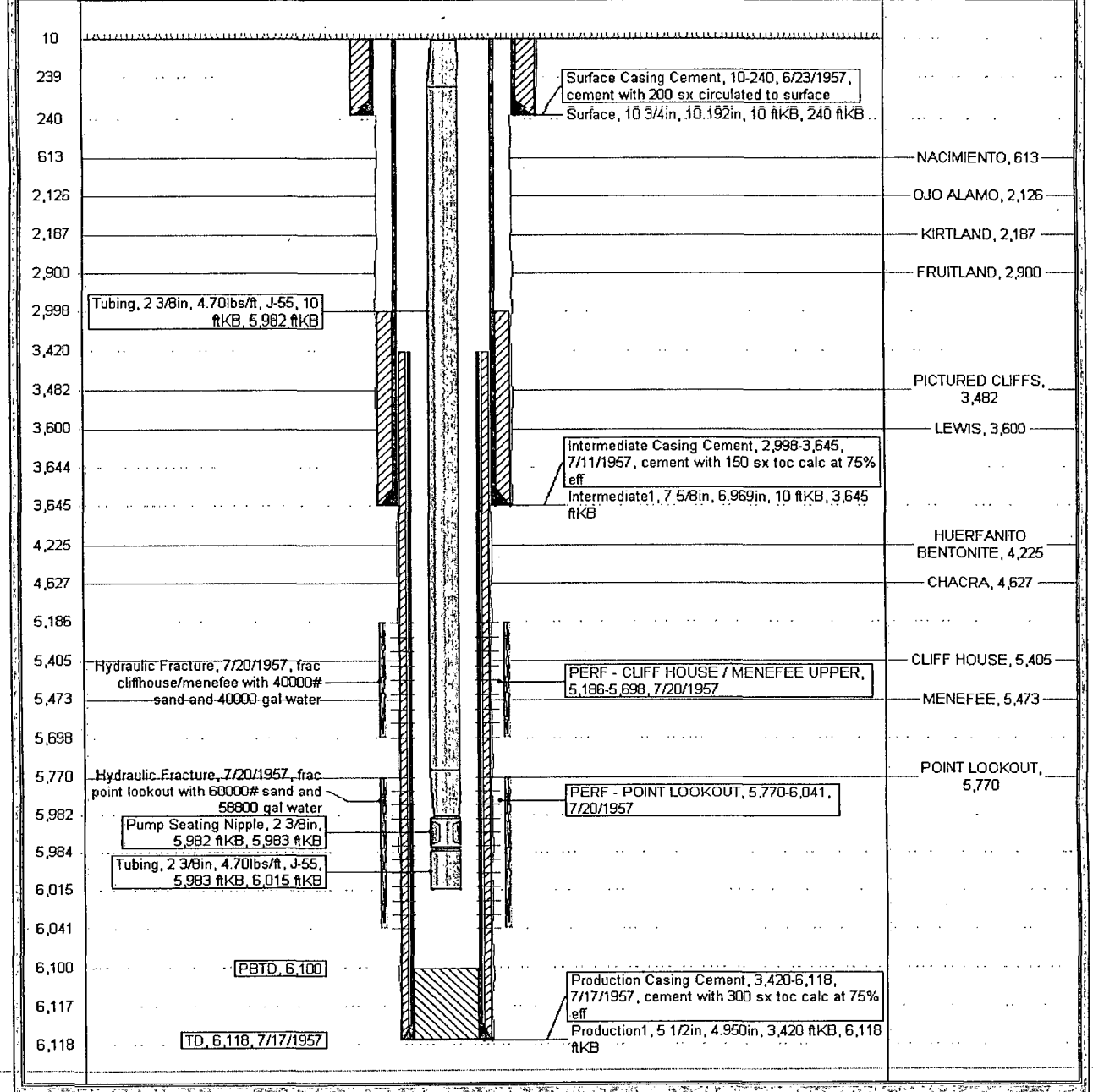
Current Schematic

ConocoPhillips
Well Name: NORDHAUS #6

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004511004	NMPM,001-031N-009W	BLANCO MESAVERDE (PRORATED GAS)		NEW MEXICO	Edit

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,596.00	6,606.00	10.00	6,606.00	6,606.00

Well Config: - Original Hole, 10/17/2012 1:29:23 PM



ConocoPhillips

Proposed Schematic

Well Name: NORDHAUS #6

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004511004	NMPM,001-031N-009W			NEW MEXICO	Edit

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,596.00	6,606.00	10.00	6,606.00	6,606.00

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

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
10		Surface Casing Cement, 10-240, 6/23/1957, cement with 200 sx circulated to surface	
239			
240		Surface, 10 3/4in, 10.192in, 10 ftKB, 240 ftKB	
290		Plug #7 squeeze, 10-290, 1/1/2020	
563		Plug #7, 10-290, 1/1/2020, Mix 156 sxs Class B cement and pump down production casing to circulate good cement out bradenhead.	
613			NACIMIENTO, 613
614		Cement Retainer, 613-614	
663		SQUEEZE PERFS, 663, 1/1/2020	
2,076		Plug #6, 563-663, 1/1/2020, Mix 71 sxs Class B cement. Squeeze 37 sxs cement outside the casing. Leave 34 sxs inside the casing to isolate the Nacimiento formation top.	
2,126			OJO ALAMO, 2,126
2,187			KIRTLAND, 2,187
2,188		Cement Retainer, 2,187-2,188	
2,237		Plug #6 squeeze, 563-663, 1/1/2020	
2,850		SQUEEZE PERFS, 2,237, 1/1/2020	
2,900		Plug #5, 2,076-2,237, 1/1/2020, Mix 107 sxs Class B cement. Squeeze 59 sxs cement outside the casing. Leave 49 sxs inside the casing to isolate the Ojo Alamo and Kirtland formation tops.	FRUITLAND, 2,900
2,901		Cement Retainer, 2,900-2,901	
2,950		Plug #5 squeeze, 2,076-2,237, 1/1/2020	
2,998		SQUEEZE PERFS, 2,950, 1/1/2020	
3,370		Plug #4, 2,850-2,950, 1/1/2020, Mix 71 sxs Class B cement. Squeeze 37 sxs cement outside the casing. Leave 34 inside the casing to isolate the Fruitland Formation top.	
3,420			PICTURED CLIFFS, 3,482
3,482			
3,600			LEWIS, 3,600
3,644		Plug #4 squeeze, 2,850-2,950, 1/1/2020	
3,645		Cement plug, 3,370-3,420, 1/1/2020	
3,695		Intermediate Casing Cement, 2,998-3,645, 7/11/1957, cement with 150 sx toc calc at 75% eff	
4,225			HUERFANITO BENTONITE, 4,225
4,577		~~Intermediate1, 7 5/8in, 6.969in, 10 ftKB, 3,645 ftKB~~	
4,627			CHACRA, 4,627
4,677		Plug #3, 3,420-3,695, 1/1/2020, Mix 55 sxs Class B cement and spot balanced plug to isolate the Intermediate Shoe, Pictured Cliffs Formation top and Liner top.	
5,036			
5,136		Cement Retainer, 5,136-5,137	
5,137		Plug #2, 4,577-4,677, 1/1/2020, Mix 17 sxs Class B cement and spot balanced plug to isolate the Chacra formation top.	
5,186		Hydraulic Fracture, 7/20/1957, frac cliffhouse/menefee with 40000# sand and 40000 gal water	
5,405			CLIFF HOUSE, 5,405
5,473			MENEFEE, 5,473
5,698		Plug #1, 5,036-5,136, 1/1/2020, Mix 17 sxs Class B cement and spot above CR to isolate the Mesa Verde Perforations and Formation top.	
5,770		Hydraulic Fracture, 7/20/1957, frac point lookout with 60000# sand and 58800 gal water	POINT LOOKOUT, 5,770
5,982		PERF - CLIFF HOUSE / MENEFEE UPPER, 5,186-5,698, 7/20/1957	
5,984			
6,015		PERF - POINT LOOKOUT, 5,770-6,041, 7/20/1957	
6,041		Production Casing Cement, 3,420-6,118, 7/17/1957, cement with 300 sx toc calc at 75% eff	
6,100		PBTD, 6,100	
6,117		Production1, 5 1/2in, 4.950in, 3,420 ftKB, 6,118 ftKB	
6,118		TD, 6,118, 7/17/1957	

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: 6 Nordhaus

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 Chacra plug from 4276' – 4176'.

b) Place the Fruitland plug from 3127' – 3027'.

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.