

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 27 2013

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.

Farmington Field Office

SF-076958

5. Lease Serial No.

6. Indian Allottee or Tribe Name

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.

Hare 4

2. Name of Operator

Burlington Resources Oil & Gas Company LP

9. API Well No.

30-045-07788

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 Pictured Cliffs

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

Surface Unit O (SWSE), 990' FSL & 1650' FEL, Sec. 25, T29N, R10W

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

RCVD APR 1 '13
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

Date

3/27/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

MAR 29 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.

NMOCDA

**ConocoPhillips
HARE #4
Expense – P&A**

Lat: 36° 41' 31.452" N

Long: 107° 49' 57.252" 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. PU and remove tubing hanger.
6. TOOH with tubing (per pertinent data sheet).
7.

Rods:	No	Size:	Length:
Tubing:	Yes	Size: 2 3/8"	Length: 1960'

Round trip watermelon mill to the top of the perforations @ 1932' 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.

8. **Plug #1 (Pictured Cliffs perforations & Pictured Cliffs formation top: 1782' – 1882')** RIH and set 5 1/2" CR at 1882'. Load casing and circulate well clean. Pressure test tubing to 1000 PSI. Pressure test casing to 800 PSI. *If the casing does not test, than spot or tag subsequent plugs as appropriate.* Run CBL from CR to surface to confirm cement tops. Mix 17sx Class B cement and spot above CR to isolate the Pictured Cliffs perforations and Pictured Cliffs formation top. PUH.
9. **Plug #2 (Fruitland formation top: ¹⁶⁵⁴1394' – ¹⁵⁵⁴1404')** Mix 17 sx Class B cement and spot a balanced plug inside casing to isolate Fruitland formation top. POOH
10. **Plug #3 (Kirtland and Ojo Alamo tops: 740' – 987')** Perforate squeeze holes at 942'. Set 5 1/2" cement retainer at 937'. Establish injection rate into squeeze holes. Mix 53sx Class B cement. Squeeze 19sx cement outside the casing. Leave 34sx inside the casing to isolate the Kirtland and Ojo Alamo tops. PUH.

11. **Plug #4 (8-5/8" casing shoe and surface: surface – 218')**: Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300psi; *note the volume to load*. If the BH annulus holds pressure then establish circulation out casing valve with water. Mix 31sx Class B cement and spot balanced plug inside casing from 218' 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 5 1/2" casing and the BH annulus to surface. Shut well in and WOC.
10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Current Schematic

ConocoPhillips

Well Name: HARE #4

API/ UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3004507788	SE 1/4, 10/26/1956, 20/25/1956	AZTEC PC (GAS)	40037	NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
5,811.00	5,620.00	9.00	5,620.00	5,620.00		

Well Config: - Original Hole, 3/5/2013 9:09:47 AM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm Final
9		Tubing (New), 2 3/8in, 4.70lbs/ft, J-55, 9 ftKB, 41 ftKB	
41		Tubing Pup Joint, 2 3/8in, 4.70lbs/ft, J-55, 41 ftKB, 51 ftKB	
51			
167			
168		Surface Casing Cement, 9-168, 10/16/1956, Cement w/ 125 sx of cement. TOC is at surface by 75% efficiency calculation.	
175		Surface, 8 5/8in, 8.097in, 9 ftKB, 168 ftKB	
790		Cement Squeeze, 9-880, 9/27/1996, Squeeze Bradenhead w/ 393 sx cement followed by 40 sx cement. TOC is at surface by 75% efficiency calculation.	OJO ALAMO, 790
880		Squeeze Holes, 880, 9/26/1996	
937			KIRTLAND, 937
943			
1,004		Tubing (New), 2 3/8in, 4.70lbs/ft, J-55, 51 ftKB, 1,925 ftKB	
1,264		Cement Squeeze, 943-1,004, 9/30/1996, Squeeze w/ 12 sx cement. TOC is at 943' by 75% efficiency calculation.	
1,444			FRUITLAND, 1,444
1,925		Tubing Pup Joint, 2 3/8in, 4.70lbs/ft, J-55, 1,925 ftKB, 1,927 ftKB	
1,927			
1,930		Tubing (New), 2 3/8in, 4.70lbs/ft, J-55, 1,927 ftKB, 1,958 ftKB	PICTURED CLIFFS, 1,930
1,932		Hyd Frac-Slickwater, 10/26/1956, Frac'd w/ 40,000# sand and 1170 bbls of water.	
1,958		"F" Profile Nipple, 2 3/8in, 1,958 ftKB, 1,959 ftKB	Pictured Cliffs, 1,932-1,970, 10/26/1956
1,959		Mule Shoe, 2 3/8in, 1,959 ftKB, 1,960 ftKB	
1,960			
1,970			
1,981		Fill (SL Tagged), 1,981-1,995	
1,995		PBTD, 1,995	
2,013			
2,014		Production Casing Cement, 1,264-2,014, 10/20/1956, Cement w/ 150 sx of cement. TOC is at 1264' from 9/25/1996 CBL.	
2,015		Production, 5 1/2in, 4.950in, 9 ftKB, 2,014 ftKB	
		Bottom Plug, 2,014-2,015, 10/20/1956	

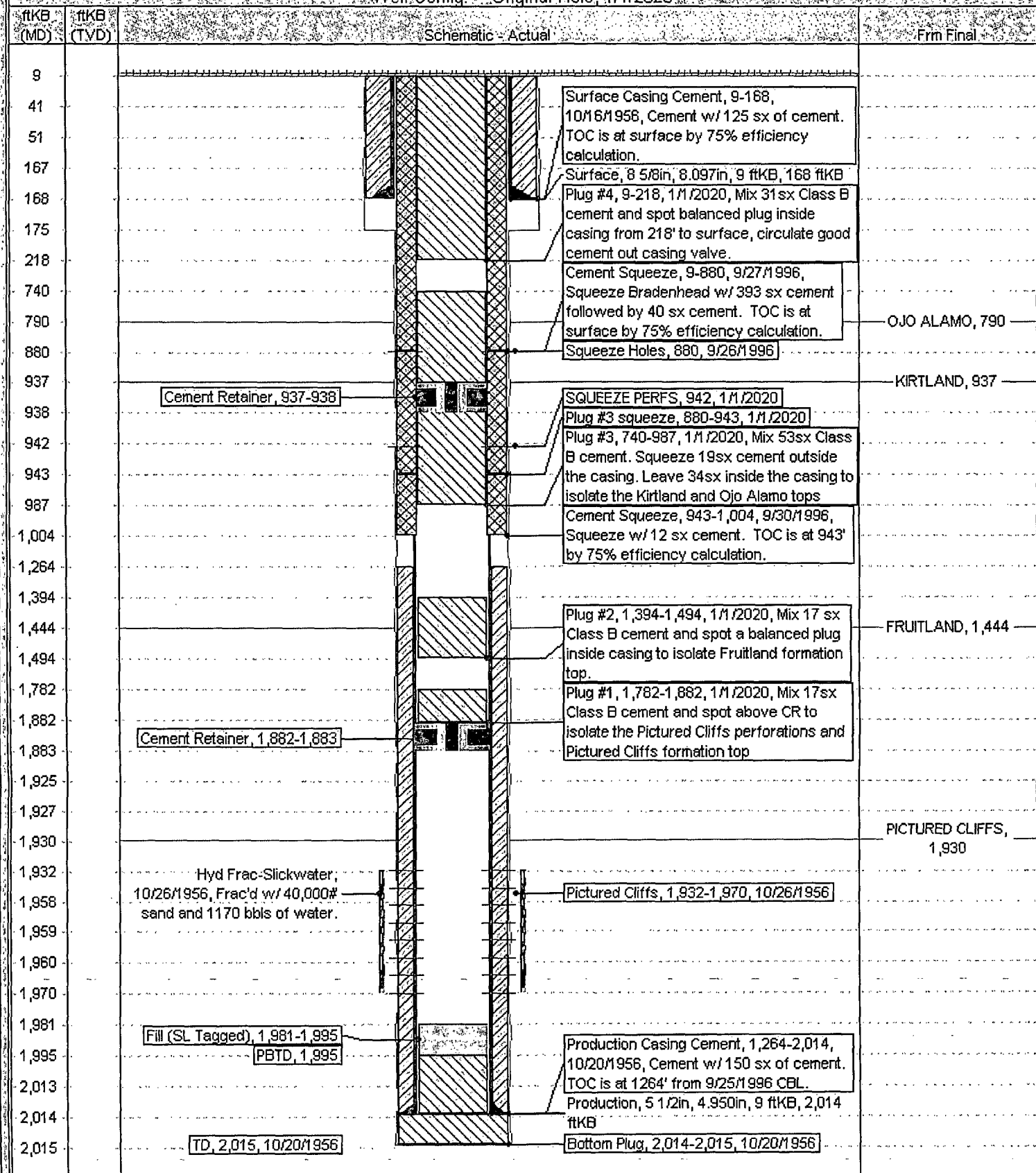
Proposed Schematic

ConocoPhillips

Well Name: HARE #4

API/UWI 3004507788	Surface Legal Location NE 1/4, Sec 4, T10N, R10E, S10E	Field Name ACTES PG/GAD	License No. #0037	State/Province NEW MEXICO	Well Configuration Type Edit
Ground Elevation (ft) 5,611.00	Original KB/TD Elevation (ft) 5,620.00	KB-Cased Distance (ft) 9.00	KB-Casing Flange Distance (ft) 5,620.00	KB-Tubing Hanger Distance (ft) 5,620.00	

Well Config: Original Hole, 1/1/2020



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: 4 Hare

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 plug from 1654' – 1554'.
 - b) You are required to have H2S monitoring equipment and personnel on location during plugging operations.

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.