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Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 01 2013

Farmington Field Office
Bureau of Land Management

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

5. Lease Serial No. **SF-080844**

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. **Rhodes C 101**

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

9. API Well No. **30-045-28964**

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

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

10. Field and Pool or Exploratory Area **Basin FC / Kutz PC**

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
Surface Unit N (SESW), 100' FSL & 2270' FWL, Sec. 30, T28N, R11W

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	

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.

Notify NMOCD 24 hrs prior to beginning operations

SEE ATTACHED FOR CONDITIONS OF APPROVAL

RCVD JUN 5 '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 Dollie L Busse Date 4/1/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Title PE Date APR 0 2 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 FFO

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)

OPERATOR

ConocoPhillips
RHODES C 101
Expense - P&A

Lat 36° 37' 34.212" N Long 108° 2' 44.772" 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.

HDI Removal:
Equipment needed for HDI pump lay down: Two (2) Easton sample bottles from Motion Industries, diaphragm fluids 3-liter container, pipe stands, and EnviroTech tote for Aqualink.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Install and test rig anchors prior to moving in rig.

2. Move in and spot coil tubing unit, crane truck and Maverick trailer mounted flow back tank. Check casing, tubing, and bradenhead pressures and record them in Wellview. *During each stage the cement plugs are squeezed, monitor and record bradenhead pressures for any increases. Should pressures rise, immediately notify the Production Engineer to evaluate.*

3. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, if necessary.

4. Remove coil tubing slips and hanger, weld 1.5" pig tail from unit to concentric string.

5. Load annulus between coil tubing and 2-3/8" tubing and pressure test to 1000 psi to ensure tubing integrity. Bleed off pressure from 2-3/8" tubing string.

6. ND wellhead and hydraulic connections.

7. Unseat HDI pump, kill well (as necessary), spool out of hole with concentric coil tubing and HDI pump.

8. Lay down HDI pump. Take two samples of hydraulic fluid in coil using Easton samples bottles. Drain fluids from diaphragm for future measurements. Dispose of all Aqualink by displacing from entire coil tubing string to EnviroTech tote.

9. Rig down and release Maverick coil tubing unit and equipment.

Cement Squeezes and Tubing Removal:
10. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview. *During each stage the cement plugs are squeezed, monitor and record bradenhead pressures for any increases. Should pressures rise, immediately notify the Production Engineer to evaluate.*

11. 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.

12. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary.

13. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.

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

Inner Tubing:	Yes	**Size:**	0.75" & 1-1/2" coil tubing (removed already)	**Length:**	1926'
Tubing:	Yes	**Size:**	2-3/8"	**Length:**	1983'
Packer:	No	**Size:**		**Depth:**	

15. Run a 3-7/8" string mill to 1837' 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.

Depending on results of the cement bond log, the plug depths may change.

16. Plug 1 (Pictured Cliffs, 1737-1837', 12 Sacks Class B Cement)
RIH and set 4-1/2" CR at 1837'. Pressure test the tubing to 1000 psi. Mix 12-sx Class B cement and spot inside the casing above CR to isolate the Pictured Cliffs perforations and formation top. PUH.

17. Plug 2 (Fruitland, 1468-1589', 13 Sacks Class B Cement)
RIH and set 4-1/2" CR at 1589'. If possible, pressure test the casing to 1000 psi.
a) Run a cement bond long (CBL) to verify cement integrity and confirm the defined plugs.
b) Mix 13-sx Class B cement and spot a balance plug inside the casing to isolate the Fruitland formation tops. PUH.

18. Plug 3 (Kirtland/Ojo Alamo, 611-797', 18 Sacks Class B Cement)
Mix 18-sx Class B cement and spot a balance plug inside the casing to isolate the Kirtland and Ojo Alamo formation tops. PUH.

19. Plug 4 (Surface, 0-278', 25 Sacks Class B Cement)
a) If the bradenhead holds, then establish circulation out casing valve with water. Mix 25-sx Class B cement and spot a plug inside the casing from 278' to surface circulate good cement out casing valve. POOH. Shut-in the well.
b) If the bradenhead does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 278' and the annulus from the squeeze holes to surface. Shut in the well.

20. 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: RHODES C #101

API/UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004528984	30-028N-011W	KUTZ FR WEDGE	080844	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)
6,001.00	6,013.00	12.00	6,013.00	6,013.00

Well Config: - Original Hole, 1/30/2013 9:25:12 AM

ftKB (MD)	Schematic - Actual	Frm Final
12		
13	Surface Casing Cement, 12-228, 6/23/1993, 160 sx (189 cf) Class B w/3% CaCl2 and 1/4#/sx of Flocele; circulated 12 bbl to surface.	
227		
228	Surface, 8 5/8in, 8.097in, 12 ftKB, 228 ftKB	
233	Coiled tubing, 3/4in, 12 ftKB, 1,925 ftKB	
661	Coiled tubing, 1 1/2in, 13 ftKB, 1,926 ftKB	OJO ALAMO, 661
747	Tubing, 2 3/8in, 4.70lbs/ft, J-55, 12 ftKB, 1,948 ftKB	KIRTLAND, 747
1,518		FRUITLAND, 1,518
1,639		
1,693	Hydraulic Fracture, 10/10/1993, 65 Q N2 foam: pumped 67,860# 20/40 AZ sand, 12,894 gal 20# gel & 491,000 SCF N2	
1,829	Fruitland Coal, 1,639-1,829, 10/10/1993	
1,837		PICTURED CLIFFS, 1,837
1,842	Hydraulic Fracture, 7/6/1993, 70 Q N2 foam: pumped 88,000# 20/40 AZ sand, 17,514 gal 20# gel & 573,343 scf N2	
1,892	Pictured Cliffs, 1,842-1,892, 7/4/1993	
1,925		
1,926	Pump barrel HDI, 1 1/2in, 1,926 ftKB, 1,949 ftKB	
1,948	Seat Nipple w/collar, 2 3/8in, 1,948 ftKB, 1,949 ftKB	
1,949	Tail Jt w/vent hole, 2 3/8in, 4.70lbs/ft, J-55, 1,949 ftKB, 1,981 ftKB	
1,981	Mule Shoe 1.5 X 2 3/8" swedge, 2 3/8in, 1,981 ftKB, 1,982 ftKB	
1,982	Mule Shoe 1.5", 2 1/16in, 1,982 ftKB, 1,983 ftKB	
1,983		
2,048	PBTD, 2,048	
2,052	Production Casing Cement, 12-2,099, 6/26/1993, Cemented with 474 sx (839 cf) Class B 65/35 Poz w/2% CaCl2 & 1/4#/sx of Flocele and 100 sx (118 cf) Class B w/2% CaCl2, circulated 20 bbl to surface	
2,053		
2,098		
2,099	Production, 4 1/2in, 4.052in, 12 ftKB, 2,099 ftKB	
2,100	TD, 2,100, 6/25/1993	Cement Plug, 2,099-2,100, 6/26/1993, PBTD

Proposed Schematic

ConocoPhillips

Well Name: RHODES G #101

API/UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004528964	30-028N-011W	LUCERO MESA	080844	NEW MEXICO	Edit

Ground Elevation (ft)	Original RKB Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,001.00	6,013.00	12.00	5,013.00	6,013.00

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

ftKB (MD)	Frm Final	Schematic - Actual
12		
13		
227		Surface Casing Cement, 12-228, 6/23/1993, 160 sx (189 cf) Class B w/3% CaCl2 and 1/4#/sx of Flocele ; circulated 12 bbl to surface.
228		Surface, 8 5/8in, 8.097in, 12 ftKB, 228 ftKB
233		Plug #4, 12-278, 1/1/2020, Mix 25 sx Class B cement and spot a plug inside casing from 276' to surface, circulate good cement out casing valve.
278		
611		
661	OJO ALAMO, 661	
747	KIRTLAND, 747	Plug #3, 611-797, 1/1/2020, Mix 18 sx Class B cement and spot a balanced plug inside casing to isolate the Kirtland and Ojo Alamo formation tops.
797		
1,469		
1,518	FRUITLAND, 1,518	Plug #2, 1,468-1,589, 1/1/2020, Mix 13 sx Class B cement and spot inside the casing above CR to isolate the Fruitland perforations and formation top.
1,589		
1,590		Cement Retainer, 1,589-1,590
1,639		
1,693		
1,737		Fruitland Coal 1,639-1,828, 10/10/1993
1,829		
1,837	PICTURED CLIFFS, 1,837	Plug #1, 1,737-1,837, 1/1/2020, Mix 12 sx Class B cement and spot inside the casing above CR to isolate the Pictured Cliffs perforations and formation top.
1,838		Cement Retainer, 1,837-1,838
1,842		Pictured Cliffs 1,842-1,892, 7/4/1993
1,892		
1,925		
1,926		
1,948		
1,949		
1,949		
1,981		
1,982		
1,983		
2,048		PBTD, 2,048
2,052		
2,053		Production Casing Cement, 12-2,099, 6/26/1993, Cemented with 474 sx (839 cf) Class B 65/35 Poz w/2% CaCl2 & 1/4#/sx of Flocele and 100 sx (118 cf) Class B w/2% CaCl2; circulated 20 bbl to surface
2,098		
2,099		Production, 4 1/2in, 4.052in, 12 ftKB, 2,099 ftKB
2,100		TD, 2,100, 6/25/1993
		Cement Plug, 2,099-2,100, 6/26/1993, PBTD

BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). **Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work can be submitted with a Sundry Notice.**

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.

2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils may be remediated on-site according to these guidelines or disposed of in an approved disposal facility.

3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" before seeding.

4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to detour vehicular travel. Access will be ripped to a minimum of 12" in depth and waterbarred prior to seeding. All erosion problems created by the development must be corrected prior to acceptance of release. Waterbars should be spaced as shown below:

% Slopes	Spacing Interval
Less than 20%	200'
2 to 5%	150'
6 to 9%	100'
10 to 15%	50'
Greater than 15%	30'

All water bars should divert to the downhill side of the road.

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required).

6. Notify Surfacing Managing Agency seven (7) days prior to seeding so that they may be present for that option.

7. The period of liability under the bond of record will not be terminated until the lease is inspected and the surface rehabilitation approved.

Other SMA's may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, we should be provided with a letter from the fee owner stating that the surface restoration is satisfactory.

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: 101 Rhodes C

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:

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.

GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densimeter/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously run or cement circulated to surface during the original casing cementing job or subsequent cementing jobs.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H_2S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 1235 La Plata Highway, Suite A, Farmington, NM 87401. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700. .