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Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 20 2016

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

Farmington Field Office

5. Lease Serial No.

SF-080469

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.

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

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

8. Well Name and No.

Murphy A Com B 3

9. API Well No.

30-045-08790

10. Field and Pool or Exploratory Area

Aztec Pictured Cliffs

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

Surface

Unit G (SWNE), 1550' FNL & 1750' FEL, Sec. 2, T29N, 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			
<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 checked="" 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 recomple 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 recomple 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. The pre-disturbance inspection was held on 9/20/2016 with Bob Switzer. The revegetation plan is attached. A Closed Loop system will be utilized.

Notify NMOCD 24 hrs
prior to beginning
operations

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

OIL CONS. DIV DIST. 3

SEP 22 2016

H₂S POTENTIAL EXIST

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

Dollie L. Busse

Title Regulatory Technician

Signature

Date

9/21/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

PE

Date

9/21/16

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)

NMOCD

ConocoPhillips
MURPHY A COM B 3
Expense - P&A

Lat 36° 45' 25.2" N

Long 107° 57' 26.532" W

PROCEDURE

RU WL and perforate 4 big hole charge (if available) squeeze holes at 191'. TOOH and RD wireline. Observe well for 30 minutes per BLM regul

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COP safety and environmental regulations. Test rig anchors prior to moving in rig. **Before RU, run slickline to remove downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing.**

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView. **If there is pressure on the BH, contact the Wells Engineer.**

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

4. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1000 psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes per COP Well Control Manual. PU and remove tubing hanger.

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

Tubing size: 1-1/4" 2.17# J-55

Set Depth: 2,086'

KB: 14'

6. RIH on wireline a 2-7/8" CR and set at 2,016'. Load hole, and pressure test casing to 800 psi. If casing does not test, spot or tag subsequent plugs as appropriate.

7. RU wireline and run CBL with 500 psi on casing from CR at 2,016' to surface to identify TOC. Adjust plugs as necessary for new TOC. *Email log copy to Wells Engineer, Troy Salyers (BLM) at tsalyers@blm.gov, and Brandon Powell (NMOCD) at brandon.powell@state.nm.us upon completion of logging operations.*

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

8. Plug 1 - Pictured Cliffs and Fruitland Formation Tops and Perforations, 1689' - 2016', 11 Sacks Class B Cement

Mix 11 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliffs, Fruitland formation tops, and the perforations, PUH.

9. Plug 2 - Ojo and Kirtland Formation Tops, 708' - 921', 82 Sacks Class B Cement

RIH and perforate 3 squeeze holes at 921'. Establish injection rate into squeeze holes. RIH with a 2-7/8" CR and set at 871'. Mix 82 sx Class B cement. Squeeze 74 sx outside the casing, leaving 8 sx inside the casing to cover the Kirtland and Ojo formation tops. POOH.

10. Plug 3 - Surface Plug, 0' - 191', 76 Sacks Class B Cement

RU WL and perforate 4 big hole charge (if available) squeeze holes at 191'. TOOH and RD wireline. Observe well for 30 minutes per BLM regulations. RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. TIH with 2-7/8" CR and set at 141'. Mix 69 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. Sting out of CR and reverse circulate cement out of tubing. TOOH and LD stinger. TIH with open ended tubing to 141'. Mix 7 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

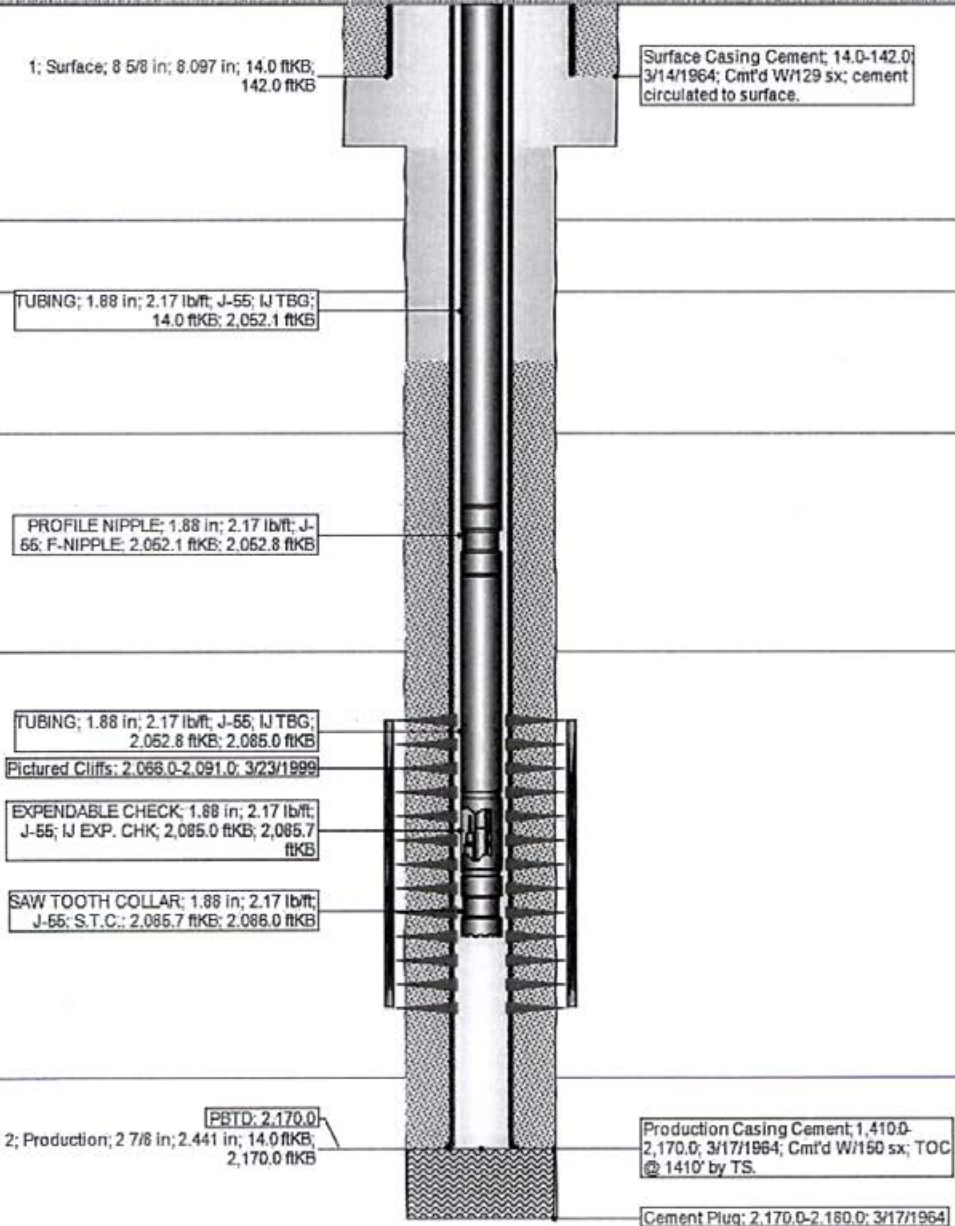
11. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. RDMO.



Schematic - Current
MURPHY A COM B #3

District NORTH	Field Name AZTEC PICTURED CLIFFS (G #0037	API / UWI 3004508790	County SAN JUAN	State/Province NEW MEXICO
Original Spud Date 3/14/1964	Surface Legal Location 002-029N-011W-G	East/West Distance (ft) 1,750.00	East/West Reference FEL	North/South Distance (ft) 1,550.00
North/South Reference FNL				

Original Hole, 9/14/2016 8:33:39 AM

Vertical schematic (actual)		MD (ftKB)	Formation Tops
		14.1	
		142.1	
1; Surface; 8 5/8 in; 8.097 in; 14.0 ftKB; 142.0 ftKB		144.0	
Surface Casing Cement; 14.0-142.0; 3/14/1964; Cm'd W/129 sx; cement circulated to surface.		757.9	OJO ALAMO
TUBING; 1.88 in; 2.17 lb/ft; J-55; IJ TBG; 14.0 ftKB; 2,052.1 ftKB		871.1	KIRTLAND
		1,410.1	
		1,738.8	FRUITLAND
PROFILE NIPPLE; 1.88 in; 2.17 lb/ft; J-55; F-NIPPLE; 2,052.1 ftKB; 2,052.8 ftKB		2,052.2	
		2,052.8	
		2,065.0	PICTURED CLIFFS
TUBING; 1.88 in; 2.17 lb/ft; J-55; IJ TBG; 2,052.8 ftKB; 2,085.0 ftKB		2,065.9	
Pictured Cliffs; 2,065.0-2,091.0; 3/23/1999		2,085.0	
EXPENDABLE CHECK; 1.88 in; 2.17 lb/ft; J-55; IJ EXP. CHK; 2,085.0 ftKB; 2,085.7 ftKB		2,085.6	
SAW TOOTH COLLAR; 1.88 in; 2.17 lb/ft; J-55; S.T.C.; 2,085.7 ftKB; 2,086.0 ftKB		2,086.0	
		2,090.9	
		2,104.0	LEWIS
PBD; 2,170.0		2,169.9	
2; Production; 2 7/8 in; 2.441 in; 14.0 ftKB; 2,170.0 ftKB		2,180.1	
Production Casing Cement; 1,410.0-2,170.0; 3/17/1964; Cm'd W/150 sx; TOC @ 1410' by TS.			
Cement Plug; 2,170.0-2,180.0; 3/17/1964			



Well Name: MURPHY A COM B #3

Schematic - Proposed

API / UWI 3004508790	Surface Legal Location 002-029N-011W-G	Field Name AZTEC PICTURED CLIFFS (94003)	License No.	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 5,736.00	Original KSRT Elevation (ft)	KS-Ground Distance (ft) 5,750.00	KS-Casing Flange Distance (ft) 14.00	KS-Tubing Hanger Distance (ft)	

Original Hole, 1/1/2020 12:04:00 AM

Vertical schematic (actual)		MD (ftKB)	Formation Tops
		14.1	
		141.1	
		142.1	
		143.0	
		144.0	
		190.9	
		708.0	
		767.9	OJO ALAMO
		871.1	KIRTLAND
		873.0	
		920.9	
		1,410.1	
		1,689.0	
		1,738.8	FRUITLAND
		2,016.1	
		2,018.0	
		2,065.0	PICTURED CL...
		2,065.9	
		2,090.9	
		2,104.0	LEWIS
		2,169.9	
		2,180.1	

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: Murphy A Com B #3

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) Set plug #1 (2016-1672) ft. to cover the Pictured Cliffs interval and Fruitland top. BLM picks top of Fruitland at 1722 ft.

Operator will run CBL to surface to identify TOC. Submit the electronic copy of the log for verification to the following addresses: jwsavage@blm.gov Brandon.Powell@state.nm.us

H₂S has not been reported in this section, however, **low concentrations of H₂S (5 ppm – 22 ppm GSV)** have been reported in wells within a 1 mile radius of this location.

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.