Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 03 2014
Bureau of Land Management

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

5. Lease Serial No.
SF-068990

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.
Shiotani Federal Com 400S

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

9. API Well No.
30-045-33183

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

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
Surface Unit F (SENW), 1780' FNL & 1470' FWL, Sec. 8, T29N, R12W

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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 bore per the attached procedure, current & proposed well bore schematics. A Closed Loop system will be utilized for this P&A. This well is a FEE owner surface.

Notify NMOCD 24 hrs prior to beginning operations

RCVD FEB 6 '14
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Kenny Davis Title **Staff Regulatory Technician**

Signature Date **2/3/2014**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Original Signed: Stephen Mason
Title
FEB 04 2014
Date

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

SHIOTANI FEDERAL COM 400S

Expense - P&A

Lat 36° 44' 38.159" N Long 108° 7' 30.691" 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. If there is pressure on the bradenhead, contact Wells Engineer.

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.

5. Unseat pump and kill well down tubing with at least tubing capacity of produced Fruitland Coal water.

6. ND wellhead and NU BOP. Pressure and function test BOP to 200-300 psi low and 1000 psi above SICP up to 2000 psi high as per COP Well Control Manual. PU and remove tubing hanger.

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

Tubing:	Yes	**Size:**	1.66"	**Length:**	1,699'
Tubing:	Yes	**Size:**	2-7/8"	**Length:**	1,713'

Round trip with a 3-7/8" bit and watermelon mill to the top perf @ 1,439' or as deep as possible above the perfs.

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.

9. **Plug #1 (Pictured Cliffs, Perfs, and Fruitland tops : 1,389'-996', 34 sacks Class B cement)**
Note: 10bbls cement circulated to surface during production cement job. TIH and set 4-1/2" CR on tubing at 1,389'. Pressure test tubing to 1000 psi. Sting out of CR and load and circulate casing clean, pressure test casing to 800 psi. TOOH with tubing. RIH with wireline and run CBL from 1,389' to surface under 500 psi pressure. Send CBL to Wells Engineer, Superintendent and Regulatoy. Based on TOC, adjust plugs as needed to ensure cement coverage inside and outside of pipe for isolation. If casing does not test, tag plugs as necessary. TIH with tubing open ended or with cement plugging sub. Mix 34 sx Class B cement and spot a balanced plug inside casing to isolate thePictured Cliffs, perforations, and Fruitland formation tops. PUH.

10. **Plug #2 (Surface Casing Shoe, Ojo Alamo, and Kirtland tops: 496' – 0', 42 sacks Class B cement)**
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 42 sx Class B cement and spot balanced plug inside casing from 496' to surface, circulating good cement out casing valve. TOH and LD tubing. Shut in well and WOC.Shut well in and WOC.

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.

CURRENT SCHEMATIC

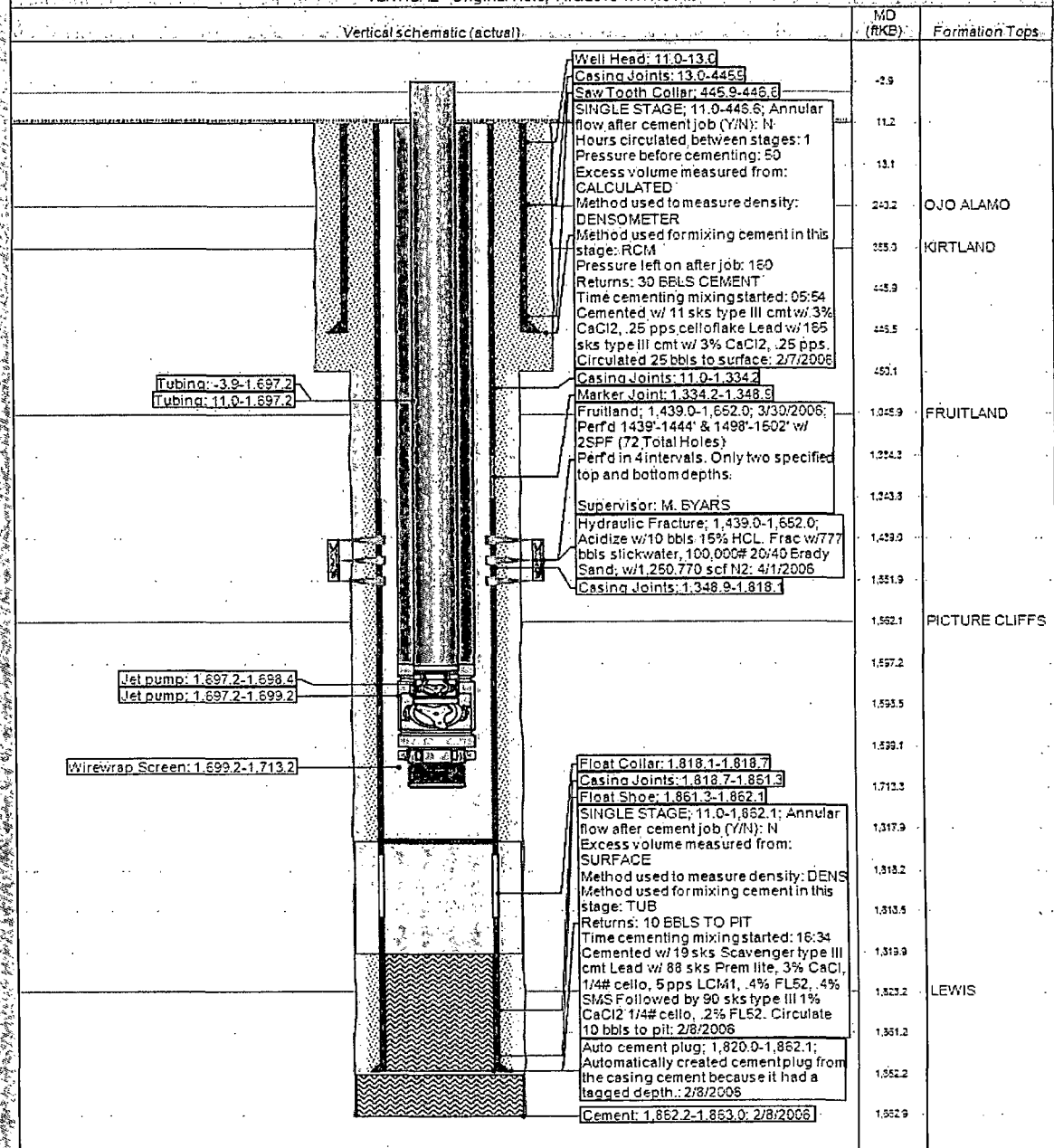
ConocoPhillips

SHIOTANI FEDERAL COM #400S

District	Field Name	API / UWI	County	State/Province
NORTH	BASIN (FRUITLAND COAL)	3004533183	SAN JUAN	NEW MEXICO

Original Spud Date	Surface Legal Location	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref
2/6/2006	008-029N-012W-F	1,500.00	FWL	1,775.00	FNL

VERTICAL - Original Hole, 11/6/2013 1:17:10 PM



Proposed Schematic

ConocoPhillips

Well Name: SHIOTANI FEDERAL COM #400S

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004533183	008-029N-012W-F	BASIN (FRUITLAND COAL)		NEW MEXICO	VERTICAL

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,660.00	5,671.00	11.00	5,671.00	5,671.00

VERTICAL - Original Hole, 1/1/2020 12:15:00 AM

MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)	Formation Tops
11.2		SINGLE STAGE; 11.0-446.6; 2/7/2006; Annular flow after cement job (Y/N): N; Hours circulated between stages: 1; Pressure before cementing: 50; Excess volume measured from: CALCULATED; Method used to measure density: DENSOMETER; Method used for mixing cement in this stage: RCM; Pressure left on after job: 160; Returns: 30 BBLS CEMENT; Time cementing mixing started: 05:54; Cemented w/ 11 sks type III cmt w/ 3% CaCl2, .25 pps celloflake Lead w/ 165 sks type III cmt w/ 3% CaCl2, .25 pps. Circulated 25 bbls to surface	
13.1			
240.2			OJO ALAMO
355.0			KIRTLAND
445.9			
446.5		1; Surface; 7 in; 6.456 in; 11.0 ftKB; 446.6 ftKB	
450.1			
496.1		Plug #2; 11.0-496.0; 1/1/2020; MIX 42 SX CLASS B CEMENT AND SPOT BALANCED PLUG INSIDE CASING FROM 496' TO SURFACE, CIRCULATING GOOD CEMENT OUT CASING VALVE.	
996.1			
1,045.9			FRUITLAND
1,079.4			
1,230.3			
1,334.3			
1,348.8		Plug #1; 996.0-1,389.0; 1/1/2020; MIX 34 SX CLASS B CEMENT AND SPOT A BALANCED PLUG INSIDE CASING TO ISOLATE THE PICTURED CLIFFS, PERFORATIONS, AND FRUITLAND FORMATION TOPS.	
1,389.1		Cement Retainer; 1,389.0-1,390.0; SET 4-1/2" CR ON TUBING @ 1389'.	
1,390.1			
1,439.0		Fruitland; 1,439.0-1,652.0; 3/30/2006	
1,651.9		Hydraulic Fracture; 4/1/2006; Acidize w/10 bbls 15% HCL. Frac w/777 bbls slickwater, 100,000# 20/40 Brady Sand, w/1,250,770 scf N2	
1,652.1		Auto cement plug; 1,820.0-1,862.1; 2/8/2006; Automatically created cement plug from the casing cement because it had a tagged depth.	PICTURE CLIFFS
1,817.9		PBTD; 1,818.0	
1,818.2		SINGLE STAGE; 11.0-1,862.1; 2/8/2006; Annular flow after cement job (Y/N): N; Excess volume measured from: SURFACE; Method used to measure density: DENS; Method used for mixing cement in this stage: TUB; Returns: 10 BBLS TO PIT; Time cementing mixing started: 16:34; Cemented w/ 19 sks Scavenger type III cmt Lead w/ 88 sks Prem lite, 3% CaCl, 1/4# cello, 5 pps LCM1...4% FL52, .4% SMS Followed by 90 sks type III 1% CaCl2 1/4# cello, .2% FL52. Circulate 10 bbls to pit	
1,818.6			
1,819.9			
1,823.2			LEWIS
1,847.1			
1,855.6			
1,861.2			
1,862.2		2; Production; 4 1/2 in; 4.052 in; 11.0 ftKB; 1,862.1 ftKB	
1,862.5			
1,862.9		Cement; 1,862.2-1,863.0; 2/8/2006	

Report Printed: 11/8/2013

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.