

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 16 2010

Sundry Notices and Reports on Wells

Farmington Field Office
Bureau of Land Management

- | | |
|---|---|
| <p>1. Type of Well
GAS</p> <p>2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP</p> <p>3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M
Unit D (NWNW), 990' FNL & 990' FWL, Section 4, T25N, R6W, NMPM</p> | <p>5. Lease Number
NM-019400</p> <p>6. If Indian, All. or
Tribe Name</p> <p>7. Unit Agreement Name
Canyon Largo Unit</p> <p>8. Well Name & Number
Canyon Largo Unit 25</p> <p>9. API Well No.
30-039-06176</p> <p>10. Field and Pool
South Blanco PC</p> <p>11. County and State
Rio Arriba, NM</p> |
|---|---|

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission
☒ Notice of IntentType of Action
☒ Abandonment☐ Change of Plans☐ Other -☐ Subsequent Report☐ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Burlington Resources requests permission to P&A the subject well per the attached procedure, current & proposed wellbore schematic.

H₂S POTENTIAL EXIST

Notify NMOCD 24 hrs
prior to beginning
operations

SEE ATTACHED FOR
CONDITIONS OF APPROVAL



14. I hereby certify that the foregoing is true and correct.

Signed Crystal Tafoya Crystal Tafoya

Title: Staff Regulatory Technician

Date 11/16/10

(This space for Federal or State Office use)

APPROVED BY [Signature] Title PCDate NOV 17 2010

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD
OPERATOR

ConocoPhillips
CANYON LARGO UNIT 25
Expense - P&A

Lat 36° 25' 57.144" N

Long 107° 28' 39.972" W

PROCEDURE

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. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water as necessary.
4. ND wellhead and NU BOPE.

5. TOOH with tubing (details below)

Number	Description
74	1.66", 2.4#, J-55 Tubing Joints
1	1.66", 2.4#, J-55 Perf'd Joint
1	1.66", 2.4#, J-55 Pinned Collar

Note *** 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.

6. Run CBL from top of PC perforations to surface since there is no record of past CBL.

7. Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland tops, 2306'-^{1796'}~~1826'~~): RIH and set CR at 2306'. Pressure test tubing to 1000 PSI. Pressure test casing to 800 psi. If casing does not pressure test, then spot or tag subsequent plugs as appropriate. Spot ~~62~~ sxs Class B cement inside the casing above CR to isolate the Pictured Cliffs perforations, Fruitland, and Kirtland tops. TOH.

8. Plug #2 (Ojo Alamo top, ^{1646 1546}~~1723'-1623'~~¹⁶⁴⁶): Perforate 3 HSC holes at ^{1596'}~~1723'~~. RIH and set CR at ~~1673'~~. Establish a rate into the squeeze holes. Mix 48 sxs Class B cement, squeeze 30 sxs outside the casing and leave 18 sxs inside the casing to cover through the Ojo top. TOH with tubing.

9. Plug #3 (Nacimiento Top, Surface Casing Shoe to Surface, 237'-Surface): Perforate 3 HSC holes at 237'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 86 sxs Class B cement and pump down 5.5" casing to circulate good cement out bradenhead. Shut in well and WOC.

10. 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: CANYON LARGO UNIT #25

API/UMI 3003906176	Surface Legal Location NMPM,004-025N-006VV	Field Name BLANCO P.C. SOUTH (GAS)	License No.	State/Province NEW MEXICO	Well Configuration Type	Edit
Ground Elevation (ft) 6,233.00	Original KB/RT Elevation (ft) 6,243.00	KB-Gravel Distance (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		

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

ftKB (MD)	Frm Final	Schematic - Actual
10		
90		
91		Surface Casing Cement, 10-91, 12/17/1956, Cemented w/ 75 sxs regular cement. Circ cement to surface. Surface, 8 5/8in, 8.097in, 10 ftKB, 91 ftKB
187	NACIMIENTO, 187	
237		
1,623		Tubing, 1.660in, 2.40lbs/ft, J-55, 10 ftKB, 2,335 ftKB
1,671		
1,673	OJO ALAMO, 1,673	
1,723		
1,772		
1,826		
1,876	KIRTLAND, 1,876	
2,102	FRUITLAND, 2,102	
2,304		
2,306		
2,334	PICTURED CLIFFS, 2,334	
2,336		Perforated Joint, 1.660in, 2.40lbs/ft, J-55, 2,335 ftKB, 2,345 ftKB
2,345		Pinned Collar, 1.660in, 2.40lbs/ft, J-55, 2,345 ftKB, 2,346 ftKB
2,346		
2,356		Hydraulic Fracture, 1/17/1957, FRAC PICTURED CLIFFS WITH 30000# SAND AND 25000 GAL WATER
2,365		PERF PICTURED CLIFFS, 2,356-2,368, 1/16/1957
2,366		
2,368		
2,376		PBTD, 2,376
2,409		
2,410		TD, 2,410, 12/29/1956 Production Casing Cement, 1,772-2,410, 12/29/1956, Cement w/ 125 sxs SW regular, TOC calc by 75% eff. Production 1, 5 1/2in, 5.012in, 10 ftKB, 2,410 ftKB

ConocoPhillips

Proposed Schematic

Well Name: CANYON LARGO UNIT #25

API/ UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3003908176	NMPM,004-025N-006W	BLANCO P.O. SOUTH GAS		NEW MEXICO		
Ground Elevation (ft)	Original KID/T Elevation (ft)	KID-Gravel Distance (ft)	KID-Casing Flange Distance (ft)	KID-Tying Hanger Distance (ft)		
6,233.00	6,243.00	10.00				

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

ftKB (MD)	Frm Final	Schematic - Actual
10		
90		
91		Surface Casing Cement, 10-91, 12/17/1956, Cemented w/ 75 sxs regular cement. Circ cement to surface.
187	NACIMIENTO, 187	Surface, 8 5/8in, 8.097in, 10 ftKB, 91 ftKB
237		Cement plug, 10-237, 1/1/2020, Cement with 86 sx Class B Cement.
1,623		Cement Plug, 10-237, 1/1/2020
1,671		Cement Retainer, 1,671-1,673, Proposed CR for P&A.
1,673	OJO ALAMO, 1,673	Cement plug, 1,623-1,723, 1/1/2020, Cement with 48 sx Class B Cement. 30 sx outside the casing, 18 sx inside.
1,723		Cement Plug, 1,623-1,723, 1/1/2020
1,772		
1,826		
1,876	KIRTLAND, 1,876	
2,102	FRUITLAND, 2,102	
2,304		Cement Plug, 1,826-2,304, 1/1/2020, Cement with 62 sx Class B Cement.
2,306		Cement Retainer, 2,304-2,306, Proposed CR for P&A.
2,334	PICTURED CLIFFS, 2,334	
2,336		
2,345		
2,346		
2,356		
2,365	Hydraulic Fracture, 1/17/1957, FRAC PICTURED CLIFFS WITH 30000# SAND AND 25000 GAL WATER	PERF PICTURED CLIFFS, 2,356-2,368, 1/16/1957
2,368		
2,368		
2,376		
2,409		
2,410		Production Casing Cement, 1,772-2,410, 12/29/1956, Cement w/ 125 sxs SW regular. TOC calc by 75% eff.
		Production 1, 5 1/2in, 5.012in, 10 ftKB, 2,410 ftKB

PSTD, 2,376

TD, 2,410, 12/29/1956

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
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 25 Canyon Largo Unit

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) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Bring the top of the Pictured Cliffs/Fruitland/Kirtland plug to 1796'.
 - b) Place the Ojo Alamo plug from 1646' – 1546' inside and outside the 5 ½" casing.

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 H₂S.

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.