

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Jun 19, 2008

WELL API NO.

~~30-045-20743~~

30-039-20743

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-80915

7. Lease Name or Unit Agreement Name

Canyon Largo Unit

8. Well Number **220**

9. OGRID Number

14538

10. Pool name or Wildcat

Ballard PC

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Burlington Resources Oil Gas Company LP

3. Address of Operator

P.O. Box 4289, Farmington, NM 87499-4289

4. Well Location

Unit Letter **I** : **1740** feet from the **South** line and **1080** feet from the **East** line

Section **2** Township **24N** Range **7W** NMPM **Rio Arriba County**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6676' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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

OIL CONS. DIV DIST. 3

Move Nacimiento plug from 265-365

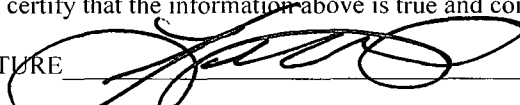
JUL 08 2013

Spud Date:

Rig Released Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

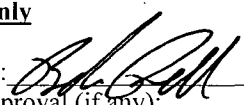


TITLE Staff Regulatory Technician DATE 7/8/13

Type or print name Kenny Davis E-mail address: kenny.r.davis@conocophillips.com PHONE: 505-599-4045

For State Use Only

APPROVED BY:



TITLE

**Deputy Oil & Gas Inspector,
District #3**

DATE 7/17/13

Conditions of Approval (if any):

PR

ConocoPhillips
CANYON LARGO UNIT 220
Expense - P&A

Lat 36° 20' 20.908" N

Long 107° 32' 22.272" W

Prepared by: Michelle Wilcox
Peer Reviewed by: Priscilla Shorty
Supervisor: Ryan Frost

Date: April 9, 2013
Date: May 14, 2013

Twinned Location: No Currently Surface Commingled: No

Scope of Work: P&A the wellbore and return the location to its natural condition.

Est. Rig Days: 4 Area: 26 Route: 656
Formation: PC

WELL DATA

API: 3003920743 Spud Date: 8/29/1973
LOCATION: 1740' FSL & 1080' FEL, Spot I, Section 02 -T 024N - R 007W

Artificial lift on well (type): None Est. Reservoir Pressure (psia): 200 (PC)

Well Failure Date: September 27, 2012 Earthen Pit Required: No

H2S: 0 ppm; this well has no known history of producing H2S. If while the rig is on location, H2S is suspected or encountered please contact Robert Ingram (324-5166) to evaluate for an H2S Contingency Plan and contact HSE H2S SPOC.

Special Requirements:

CBL, 1-1/4" workstring, slip-grip elevators, (2) cement retainers and a mill/bit for 2-7/8" 6.4# casing.

Contacts	Name	Office #	Cell #
PE Production Engineer	Michelle Wilcox	599-3460	405-517-0626
PE Backup	Anthony Williams	324-5103	419-8084
MSO	Mike Brown		609-3909
Lead	Ramon Florez		320-2506
Area Foreman	Vance Roberts	599-3467	320-9567

Well History/Justification

The Canyon Largo Unit #220 was drilled and completed in August 1973 as a slimhole Pictured Cliffs producer. In July 1992, the well failed its bradenhead test, and a casing repair was completed in October 1992. Holes in the casing were found from 150' - 680' and were successfully cement squeezed. There have not been any other documented workovers, and there are no wireline or swabbing reports on file. The well logged off in September 2012 and can not be returned to production. The Area 26 Specialist has tried to unload the well several times without success. The well was shut-in for two weeks and did not build enough pressure to produce into the sales line.

Recommendation

Since this well can not produce into the current sales line, the option of installing compression was analyzed. IPR analysis indicated that absolute open flow is ~11 MCFD. The reserves forecast uses a slightly higher initial rate of 13.6 MCFD, so it was used in the economic analysis. With such low production, the well can not afford the monthly compressor rental costs, so compression is not an option. Due to the slimhole configuration of this wellbore, the remedial options are limited and would not be justified by the low expected uplift. Since there are not any economically feasible options to remediate this well, achieve uplift, or reduce operating costs, it is recommended to permanently abandon the wellbore and return the location to its natural condition.

ConocoPhillips
CANYON LARGO UNIT 220
Expense - P&A

Lat 36° 20' 20.908" N

Long 107° 32' 22.272" W

PROCEDURE

Note: 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. 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. **Plug depths may change per CBL.**

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 workover rig. Check casing 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, if necessary.
5. ND wellhead and NU BOPE. Pressure test and function test BOP.

Rods:	No	Size:	Length:
Tubing:	No	Size:	Length:
Packer:	No	Size:	Depth:

6. PU 1-1/4" workstring and a mill for 2-7/8" 6.4# casing. Run to top perforation at 2306', or as deep as possible.
7. PU cement retainer for 2-7/8" 6.4# casing and set at 2256'. Pressure test tubing to 1000 psi. Pressure test casing to 800 psi. If casing does not test, then spot and tag subsequent plugs as necessary. **Run CBL and adjust plugs accordingly.**

8. Plug 1 (Pictured Cliffs Perfs, PC, Fruitland, Kirtland, and Ojo Alamo Formation Tops, 1568' - 2256', 21 Sacks Class B Cement)

Mix 21 sx Class B cement and spot inside the casing above CR to isolate the Pictured Cliffs perforations, Pictured Cliffs formation top, Fruitland formation top, Kirtland formation top, and Ojo Alamo formation top. POOH.

9. Plug 2 (Nacimiento Formation Top, 711' - 811', 55 Sacks Class B Cement)

Perforate 3 HSC holes at 811'. Set a cement retainer at 761'. TIH with tubing and sting into CR. Establish injection rate into squeeze holes. Mix 55 sx Class B cement. Sqz 50 sx Class B cement into HSC holes and leave 5 sx cement inside casing to isolate the Nacimiento formation top. PUH.

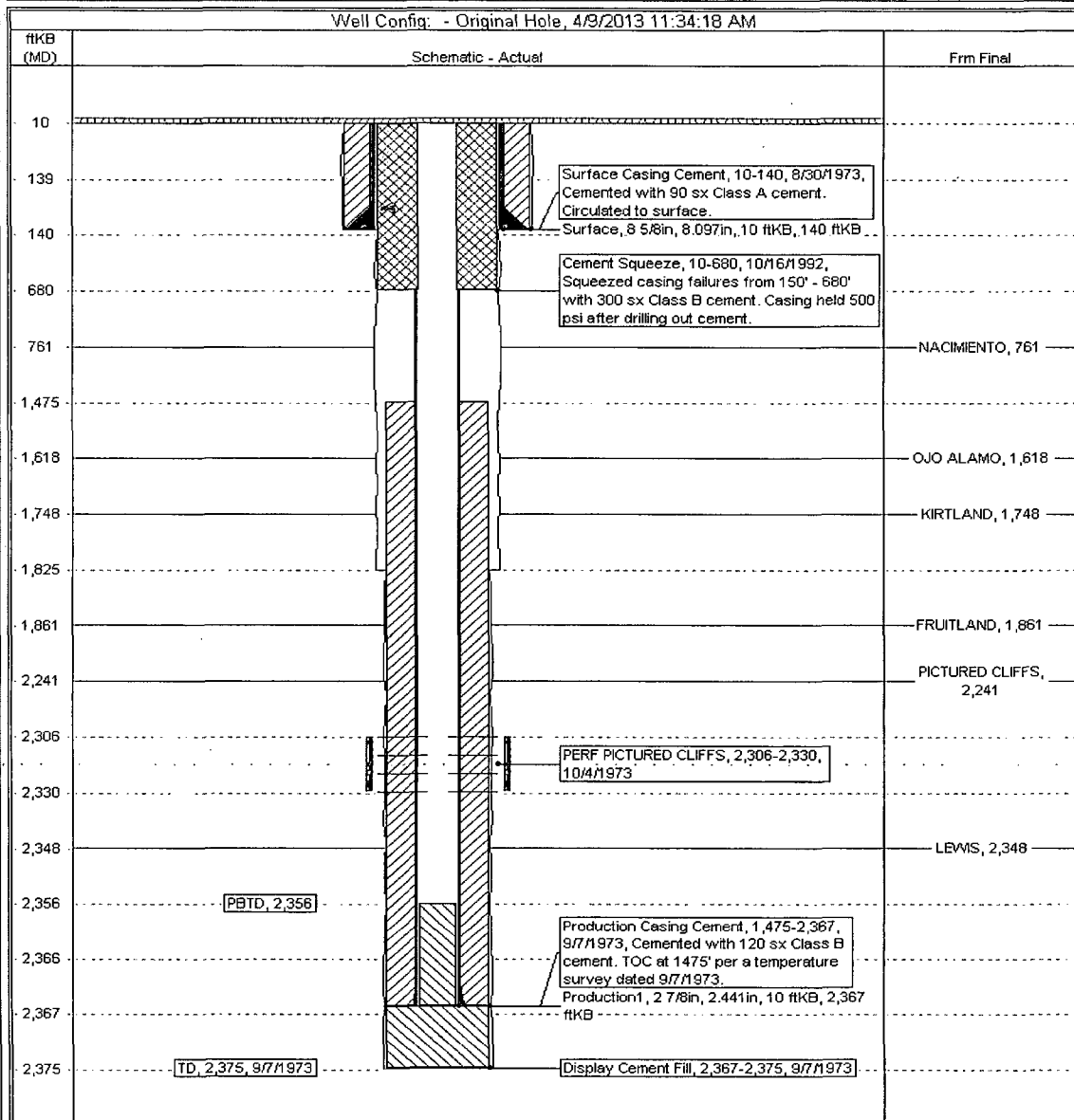
10. Plug 3 (Surface Casing Shoe & Surface Plug, 0' - 310', 10 Sacks Class B cement)

Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 10 sxs Class B cement and spot a balanced plug inside the casing from 310' to surface, circulate good cement out casing valve. TOO and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the 2-7/8" casing and the BH annulus to surface. 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.

Well Name: CANYON LARGO UNIT #220

API/Unit 3003920743	Strake Legal Location 02-024N-007W	Field Name BALLARD PG GAS	License No. 4000	State/Province NEW MEXICO	Well Configuration Type Edit
Ground Elevation (ft) 6,676.00	Original KIRTT Elevation (ft) 6,686.00	KR-Ground Distance (ft) 10.00	KR-Casing Flange Distance (ft) 6,686.00	KR-Tubing Header Distance (ft) 6,686.00	



Proposed Schematic

API/UNII 3003920743	State Legal Location 02-024N-007W	Field Name BALLARD PG. GAD. 20000	License No.	State/Province NEW MEXICO	Well Completion Type Edit
Gross Elevation (ft) 6,676.00	Original BRT Elevation (ft) 6,686.00	IS-G Total Depth (ft) 10.00	IS-G Casing Flange Distance (ft) 6,686.00	IS-G Tying Hanger Distance (ft) 6,686.00	

