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. | **30-045-31754** |
| 5. Indicate Type of Lease | STATE ☐ FEE ☒ |
| 6. State Oil & Gas Lease No. | FEE |

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 | 7. Lease Name or Unit Agreement Name: **Culpepper Martin** |
| | 8. Well Number **100** |
| 2. Name of Operator: **Burlington Resources Oil Gas Company LP** | 9. OGRID Number: **14538** |
| 3. Address of Operator: P.O. Box 4289, Farmington, NM 87499-4289 | 10. Pool name or Wildcat: **Basin Fruitland Coal** |

4. Well Location
Unit Letter **N** : **1010** feet from the **South** line and **1540** feet from the **West** line
Section **20** Township **32N** Range **12W** NMPM **San Juan** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
5903' GR

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☒ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPNS. ☐ | P AND A ☐ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPL ☐ | CASING/CEMENT JOB ☐ | |
| DOWNHOLE COMMINGLE ☐ | | | |
| OTHER: ☐ | | 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.

RCVD FEB 6 '13
OIL CONS. DIV.
DIST. 3

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 Dollie L Busse TITLE Staff Regulatory Technician DATE 2/5/13

Type or print name Dollie L. Busse E-mail address: dollie.l.busse@conocophillips.com PHONE: 505-324-6104

**For State Use Only**

APPROVED BY: Bob Pill TITLE Deputy Oil & Gas Inspector, District #3 DATE 2-18-13

Conditions of Approval (if any):

AV

# ConocoPhillips
## CULPEPPER MARTIN 100
### Expense - P&A

**Lat 36° 58' 1.02" N** **Long 108° 7' 17.076" 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.

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. Unseat pump and kill well with water, as necessary, and at least pump tubing capacity of water down tubing.

5. TOOH with rods (per pertinent data sheet). LD.

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

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

| | | | | | |
|---|---|---|---|---|---|
| **Rods:** | Yes | **Size:** | 3/4" | **Set Depth:** | 2368' |
| **Tubing:** | Yes | **Size:** | 2-3/8" | **Set Depth:** | 2388' |

Round trip watermelon mill to Pictured Cliffs formation top @ 2270' 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.**

**8. Plug 1 (Pictured Cliffs, 2219-2270', 10 Sacks Class B Cement)**
Mix 10 sxs Class B cement and spot a balanced cement plug inside casing to isolate the Pictured Cliffs formation top. POOH.

**9. Plug 2 (Fruitland Coal, 1430-1785', 31 Sacks Class B Cement)**
PU 4-1/2" CR and set at 1785'. Load casing and circulate well clean. Pressure test tubing to 1000 psi. Pressure test casing to 800 psi. If casing does not test, spot and tag subsequent plugs as necessary. Run a CBL from top of CR (1785') to Surface to confirm cement tops. Contact engineer with new TOC. Mix 31 sxs Class B cement and spot a plug inside casing above CR to isolate the Fruitland Coal perforations and formation top. PUH.

**10. Plug 3 (Ojo Alamo and Kirtland, 458-621', 17 Sacks Class B Cement)**
Mix 17 sxs Class B cement and spot a balanced cement plug inside casing to isolate the Ojo Alamo and Kirtland formation tops. PUH.

**11. Plug 4 (Surfae Plug, 0-188', 19 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 19 sxs Class B cement and spot a balanced plug inside the casing from 188' to surface, circulate good cement out casing valve. TOH 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 4-1/2 casing and the BH annulus to surface. Shut well in and WOC.

12. 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: CULPEPPER MARTIN #100**

| API/UWI | Surface Legal Location | Field Name | License No. | State/Province | Well Configuration Type |
|---|---|---|---|---|---|
| 3004531754 | NMPM,020-032N-012W | BASIN (FRUITLAND COAL) | | 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) |
|---|---|---|---|---|
| 5,903.00 | 5,911.00 | 8.00 | 5,911.00 | 5,911.00 |

Well Config: - Original Hole, 1/17/2013 9:04:57 AM

| ftKB (MD) | ftKB (TVD) | Schematic - Actual | Frm Final |
|---|---|---|---|
| -9 | | | |
| 0 | | Polished Rod, 22.0ft | |
| 8 | | | |
| 13 | | Tubing, 2 3/8in, 4.70lbs/ft, J-55, 8 ftKB, 39 ftKB | |
| 31 | | Pony Rod, 18.0ft | |
| 39 | | Tubing Pup Joint, 2 3/8in, 4.70lbs/ft, J-55, 39 ftKB, 61 ftKB | |
| 61 | | Surface Casing Cement, 8-138, 11/25/2003, Cemented w/ 50 sacks (25.7 cuft) Class B cement. Circulated 6 bbls cement to surface. | |
| 137 | 137 | | |
| 138 | 138 | Surface, 7in, 6.456in, 8 ftKB, 138 ftKB | |
| 145 | 145 | | |
| 508 | 508 | | OJO ALAMO, 508 |
| 571 | 571 | | KIRTLAND, 571 |
| 1,480 | 1,480 | Tubing, 2 3/8in, 4.70lbs/ft, J-55, 61 ftKB, 2,355 ftKB | Sucker Rod, 2,225.0ft — FRUITLAND, 1,480 |
| 1,835 | 1,835 | | |
| 2,013 | 2,013 | Hydraulic Fracture, 12/31/2003, Bull head 12 bbls 15% HCl, 75Q linear N2 foam. Pumped 135,000# of 20/40 Arizona sand. | Fruitland Coal, 1,835-2,039, 12/30/2003 |
| 2,028 | 2,027 | | Fruitland Coal, 2,013-2,028, 12/31/2003 |
| 2,039 | 2,039 | | |
| 2,095 | 2,095 | | Fruitland Coal, 2,095-2,219, 12/31/2003 |
| 2,218 | 2,217 | | |
| 2,219 | 2,219 | | |
| 2,220 | 2,220 | | PICTURED CLIFFS, 2,220 |
| 2,256 | 2,256 | | |
| 2,272 | 2,272 | | Pony Rod, 16.0ft |
| 2,347 | 2,347 | | Sinker Bar, 75.0ft |
| 2,355 | 2,355 | F Nipple, 2 3/8in, 4.70lbs/ft, J-55, 2,355 ftKB, 2,356 ftKB | Guided Pony Rod, 8.0ft |
| 2,356 | 2,355 | | 2" X 1 1/4" X 9' X 13' RHAC-Z, 13.0ft |
| 2,368 | 2,368 | | |
| 2,369 | 2,369 | Mud Anchor, 2 3/8in, 4.70lbs/ft, J-55, 2,356 ftKB, 2,387 ftKB | Strainer Nipple, 1.0ft — Item 2-9 |
| 2,387 | 2,387 | Cross Over, 2 3/8in, 2,387 ftKB, 2,388 ftKB | |
| 2,388 | 2,387 | Mule Shoe, 1 1/2in, 2,388 ftKB, 2,388 ftKB | |
| 2,388 | 2,388 | | Plugback, 2,420-2,464, 12/7/2003 Production Casing Cement, 8-2,464, 12/7/2003, Cemented with 207 sacks (76.7 cuft) Premium Lite Class C cement followed by 90 sacks (22.1 cuft) Type III Class C cement. Circulated 14.0 bbls cement to surface. |
| 2,420 | 2,419 | PBTD, 2,420 | |
| 2,420 | 2,420 | | |
| 2,463 | | | |
| 2,464 | | | Production, 4 1/2in, 4.052in, 8 ftKB, 2,464 ftKB |
| 2,470 | | TD, 2,470, 12/7/2003 | Plugback, 2,464-2,470, 12/7/2003 |

# Proposed Schematic

ConocoPhillips

**Well Name: CULPEPPER MARTIN #100**

| API/UWI | Surface Legal Location | Field Name | License No. | State/Province | Well Configuration Type |
|---|---|---|---|---|---|
| 3004531754 | NMPM,020-032N-012W | BASIN (FRUITLAND COAL) | | 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) |
|---|---|---|---|---|
| 5,903.00 | 5,911.00 | 8.00 | 5,911.00 | 5,911.00 |

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

| ftKB (MD) | Frm Final | Schematic - Actual |
|---|---|---|
| -9 | | |
| 0 | | |
| 8 | | |
| 13 | | |
| 31 | | |
| 39 | | |
| 61 | | |
| 137 | | |
| 138 | | Surface, 7in, 6.456in, 8 ftKB, 138 ftKB |
| 145 | | |
| 168 | | |
| 458 | | |
| 508 | OJO ALAMO, 508 | |
| 571 | KIRTLAND, 571 | |
| 621 | | |
| 1,430 | | |
| 1,480 | FRUITLAND, 1,480 | |
| 1,785 | | Cement Retainer, 1,785-1,786 |
| 1,786 | | |
| 1,835 | | Fruitland Coal, 1,835-2,039, 12/30/2003 |
| 2,013 | | Fruitland Coal, 2,013-2,028, 12/31/2003 |
| 2,028 | | |
| 2,039 | | |
| 2,095 | | Fruitland Coal, 2,095-2,219, 12/31/2003 |
| 2,218 | | |
| 2,219 | | |
| 2,220 | PICTURED CLIFFS, 2,220 | |
| 2,256 | | |
| 2,270 | | |
| 2,272 | | |
| 2,347 | | |
| 2,355 | | |
| 2,356 | | |
| 2,368 | | |
| 2,369 | | |
| 2,387 | | |
| 2,388 | | |
| 2,388 | | |
| 2,420 | | PBTD, 2,420 |
| 2,420 | | |
| 2,463 | | |
| 2,464 | | Production, 4 1/2in, 4.052in, 8 ftKB, 2,464 ftKB |
| 2,470 | | TD, 2,470, 12/7/2003 |

Surface Casing Cement, 8-138, 11/25/2003, Cemented w/ 50 sacks (25.7 cuft) Class B cement. Circulated 6 bbls cement to surface.

Plug #4, 8-168, 1/1/2020, Mix 19 sx Class B cement and spot a balanced plug inside the casing from 168' to surface, circulate good cement out casing valve.

Plug #3, 458-621, 1/1/2020, Mix 17 sx Class B cement and spot a balanced plug inside casing to isolate the Ojo Alamo and Kirtland formation tops.

Plug #2, 1,430-1,785, 1/1/2020, Mix 31 sx Class B cement and spot a plug inside casing above CR to isolate the Fruitland Coal perforations and formation top.

Plug #1, 2,219-2,270, 1/1/2020, Mix 10 sx Class B cement and spot a balanced plug inside casing to isolate the Pictured Cliffs formation top.

Production Casing Cement, 8-2,464, 12/7/2003, Cemented with 207 sacks (76.7 cuft) Premium Lite Class C cement followed by 90 sacks (22.1 cuft) Type III Class C cement. Circulated 14.0 bbls cement to surface.

Plugback, 2,420-2,464, 12/7/2003

Plugback, 2,464-2,470, 12/7/2003



Report Printed: 2/5/2013