

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

Form C-103  
March 4, 2004

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

WELL API NO. 30-039-06212
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-11240-88
7. Lease Name or Unit Agreement Name RCUD MAR 9 '07 OIL CONS. DIV.
Hamilton State DIST. 3
8. Well Number #5
9. OGRID Number 14538
10. Pool name or Wildcat Basin Fruitland Coal/ Ballard Pictured Cliffs

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

3. Address of Operator  
P.O. Box 4289, Farmington, NM 87499-4289

4. Well Location

Unit Letter O : 1073 feet from the South line and 1552 feet from the East line

Section 32 Township 26N Range 7W NMPM Rio Arriba County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6859' GL

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 COMPLETION ☐

OTHER: Commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND 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.

ConocoPhillips intends to drill the CIBP and commingle the Fruitland Coal with the Pictured Cliffs formation. Install new beam balanced pump with 16 HP Kubota Engine and BHA inside the 2 7/8" casing, slim-hole, to optimize gas production. Please see attached procedure and wellbore diagram.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Amanda Sanchez TITLE Regulatory Tech DATE 3/6/2007

Type or print name Amanda Sanchez E-mail address: sandoar@conocophillips.com Telephone No. 505-326-9700

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE MAR 09 2007

Conditions of approval, if any: Obtain permission to DHC prior to initiating this work



Prepared By: Asif Bari Date: 02/14/2007  
Project Peer review/approved By: Dennis R. Wilson Date: 02/19/07  
Expensed Superintendent reviewed By: Lyle Ehrlich / Guy Garreston Date: 02/15/2007

### Objective:

The intent of this procedure is to drill the CIBP and commingle Fruitland Coal with Pictured Cliffs formation, install new beam balanced pump (B114-143-64) with 16 HP Kubota Engine and BHA inside the 2 7/8" Casing (Slim-hole) to optimize gas production on the Hamilton State 5.

Well Name: Hamilton State 5 – DEMAND WELL – LAST PROD. DATE: Jan-31-2006  
Formation: Fruitland Coal and Pictured Cliff  
API Number: 30039062120000 AIN Number: 4909102 and 4909101  
County: Rio Arriba State: New Mexico  
Location: Section 32 – 26N – 7W – Unit O  
1073 FSL and 1552 FEL  
Lat: N36 26.356 and Log: W107 35.662  
CIBP: 2726'  
TD: 2934'  
Artificial Lift: Recommend to install LUFKIN – Churchill Beam Balanced – API Size B114-143-64

### Procedure:

1. Hold pre-job safety meeting. Comply with NMOCD, BLM, and ConocoPhillips safety and environmental regulations. Test rig anchors prior to moving in the rig.
2. MIRU. Note casing pressure and record in Wellview. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with SRB treated 2% KCL, if necessary.
3. ND Wellhead and NU BOP.
4. **This well currently has 2 7/8" Casing (Slim-hole) and no tubing.**
5. TIH and Drill out the CIBP = 2726' to TD = 2934' using Weatherford Rental Tools, which includes:
  - (~98) 1-13/16" OD 4.16# N-80 Drill Tubing with 1-13/16" HOMCO Flush Joint Conn.
  - (3) Drill collar – slick 2" OD with 1-13/16" WFJ
  - (50) Sub, Lift plugs / Nubbins 1-13/16" OD HFJ
  - (1) Slips, Deep well 3-1/2" with 1-1/2" slips
  - (1) Clamps, Safety Type "T" with 4 segs
  - (1) Elevator, Slip type LYT with 1-1/2" slips
  - (1) Mill, Cement / Junk 2-1/4" OD and 1-13/16" OD HFJ Box connector.
6. Recommended Maximum Torque Allowed for Drill Pipe = 400 ft.lbs.
7. If fill is present, cleanout to TD @ 2934' with air package. If unable to clean out to TD, contact Production Engineer to verify tubing landing depth.
8. **TOOH** with Weatherford Tools
9. ND BOP and NU Radigan BOP.

2/22/2007



10. **TIH** as follows (setting bottom up):
- Insert Pump Anchor set at 2880'
  - 5' Perforated Sub (0.97" ID) (0.1875" Diameter with 10 holes/ft)
  - Shear Tool (rated up to 6000 lbs. down hole and 13000 lbs. on surface)
  - 1-1/2" x 12' RWBM-Z-HVR insert pump
  - Double standing valve, single traveling valve, California pattern balls, w/ sand check, 3' SM Grooved -.005" Plunger
  - Four 1-7/8" ID Hollow Sinker bars (20' length and 200 lbs. each)
- Tubing Specifications are** 1.315" OD (1.049" ID) 1.72#/ft J-55 R-2 IJ-10RD ERW  
**Optimum Torque Limit = 400 ft.lbs. Collapse = 10,000 psi Internal Yield = 9,730 psi**
- (~94) Joints of IJ Tubing 1.315" J-55 (1" Nom OD) (Use 1 +/- tubing joint as necessary to obtain proper landing depth and should be spaced out for 64" stroke)
  - Pull Tube 1-1/2" x 18' Connector (Hollow Polished Rod) with 10' Liner
  - 10" Top Pull Tube Adaptor
11. NU stuffing box and rod rotator.
12. Place 90 degrees Swivel with 1" ID Hose with winter insulator (~12' Length)
13. There are no short spacing joints. Install hollow polished rods on string, move string down until polished rods is at desired height, perform anchor setting sequence to set anchor, stack out string install stuffing box packing.
14. The pump should be spaced out exactly right to keep from shearing the shear tool and not pumping too high in the stroke by Dave Allison (COP Pumping Unit Expert) and Gary Noyes (Energy Pump and Supply).
15. **Note:** Do not pull more than 9,000 lbs on surface to avoid shearing the Shear Tool.
16. Load 1" IJ tubing and test to 1500 psi and bleed off. Then, long stroke pump 64" or less to 500 psi. **Note:** Please pump long stroke without messing pump setting and spacing.
17. Set the pumping unit, re-plum the wellhead and set stroke not to Tag (**NO TAG!**)
18. Verify well pumps up before moving out.
19. Then, notify lease operator that the well is ready to be returned to production. RDMO.
20. Should you have any questions or need additional info, please contact Production Engineer.

**Recommended:** \_\_\_\_\_  
Asif Bari (Production Engineer)  
Office: (505) 324-5103  
Cell: (505) 947-1822

**Approved:** \_\_\_\_\_  
Lyle Ehrlich (Sr. Rig Supervisor)  
Office: (505) 599-4002  
Cell: (505) 320-2613

2/22/2007



### HAMILTON STATE 5 FRC

Unit O T026N R007W Sec.032

1073 FSL & 1552 FEL

RIO ARriba COUNTY, NM

API Number: 30039062120000

AIN: 4909102

Latitude N36 26.356

Longitude W107 35.662

Spud date: 4/30/54 Completion Date: 4/6/05

GL = 6,859' KB = 0,000'

#### Current Wellbore

#### STATUS

FLOWING

#### CASING RECORD:

9-5/8" 25.4# set @ 107'

Cemented with 125sxTOC @ Surface

#### FORMATION TOPS:

Ojo Alamo 1970'

Kirtland 2182'

Fruitland Coal 2445'

Pictured Cliffs 2721'

#### WORKOVER HISTORY:

8/20/2003 PC Restim (100,000# sd)

3/17/2005 FC Completion (70,000# sd), PC TA

Fluid Level @ 2399' (01/04/07)

2 7/8" Casing Pressure: 93 psi

#### CASING RECORD:

5-1/2" 15.5# set @ 2730'

Cemented with 150sxTOC @ 1910'

Rat Hole from FRC to CIBP = 6'

CIBP @ 2726'

#### CASING RECORD:

2-7/8" 6.5# J-55 set @ 2923'

Cemented with TOC @ Surface

Casing Ran in 2003

Rat Hole from PC to TD = 158'

#### Fruitland Coal Completion (4/6/005)

2636-2657' & 2661-2669' @ 1spf = 31 holes

2700-2720' @ 2spf = 60 holes, 91 Total

25# x-link lin gel w/ 75Q N2 foam & 70,000# sd

#### Pictured Cliffs Completions (2003)

2736-2776' w/ 40 holes

100,000#, 217 bbl 20# lin gel

351 mscf 70Q foamed N2

Original PC completion was Open Hole  
With a diesel frac from 2725' -2822'

CIBP = 2726'

TD = 2934'

2/22/2007