

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

## Sundry Notices and Reports on Wells

<p>1. <b>Type of Well</b> GAS</p> <p>2. <b>Name of Operator</b> <b>BURLINGTON</b> RESOURCES OIL &amp; GAS COMPANY LP</p> <p>3. <b>Address &amp; Phone No. of Operator</b> PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. <b>Location of Well, Footage, Sec., T, R, M</b> Sec., T—N, R—W, NMPM  Unit G (SWNE), 1635' FNL &amp; 1550' FEL, Sec. 31, T29N, R10W NMPM</p>	<p>5. <b>Lease Number</b> NM-0702</p> <p>6. <b>If Indian, All. or Tribe Name</b></p> <p>7. <b>Unit Agreement Name</b></p> <p>8. <b>Well Name &amp; Number</b> Wilson #2</p> <p>9. <b>API Well No.</b> 30-045-23730</p> <p>10. <b>Field and Pool</b> Otero Chacra/ Aztec FRT Sand</p> <p>11. <b>County and State</b> San Juan, NM</p>
---	--

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA****Type of Submission:**

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment

**Type of Action:**

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging
- ☒ Casing Repair
- ☐ Altering Casing
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☐ Conversion to Injection

☒ Other : Commingle

RCVD NOV17'06

OIL CONS. DIV.

DIST. 3

**13. Describe Proposed or Completed Operations**

In reference to the Letter of Violation and shut-in directive dated 9/29/06, failed mechanical integrity test (packer failure remediation), Burlington Resources intends to remove the packer & pull the 2-3/8" tbg., PT the csg, if the test fails then repair any casing leak (s), trip back in the hole w/ tbg. and return the well to production as a commingled Otero Chacra/ Azt, Fruitland Sand producer. Please see the attached letter of violation, procedure and well bore diagrams.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Signed Philana Thompson Philana Thompson Title Regulatory Tech Date 11/15/06

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

**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 B 11/21



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

*Underground Injection Control Program  
"Protecting Our Underground Sources of Drinking Water"*

29-Sep-06

**BURLINGTON RESOURCES OIL & GAS COMPANY LP**  
PO BOX 4289

## **LETTER OF VIOLATION and SHUT-IN DIRECTIVE** **Failed Mechanical Integrity Test**

Dear Operator:

The following test(s) were performed on the listed dates on the following well(s) shown below in the test detail section.

The test(s) indicates that the well or wells failed to meet mechanical integrity standards of the New Mexico Oil Conservation Division. To comply with guidelines established by the U.S. Environmental Protection Agency, the well(s) must be shut-in immediately until it is successfully repaired. The test detail section which follows indicates preliminary findings and/or probable causes of the failure. This determination is based on a test of your well or facility by an inspector employed by the Oil Conservation Division. Additional testing during the repair operation may be necessary to properly identify the nature of the well failure.

Please notify the proper district office of the Division at least 48 hours prior to the date and time that the well(s) will be retested so the test may be witnessed by a field representative.

### ***MECHANICAL INTEGRITY TEST DETAIL SECTION***

**WILSON No.002**

**30-045-23730-00-00**

Active Gas (Producing)

**G-31-29N-10W**

**Test Date:** 9/29/2006

**Permitted Injection PSI:**

**Actual PSI:**

**Test Reason:** Annual IMIT

**Test Result:** F

**Repair Due:** 1/2/2007

**Test Type:** Packer Leakage Test

**FAIL TYPE:** Other Internal Failure

**FAIL CAUSE:**

**Comments on MIT:** packer leakage test, while producing lower zone, upper zone psi dropped from 218 psi to 130 psi

In the event that a satisfactory response is not received to this letter of direction by the "Repair Due:" date shown above, or if the well(s) are not immediately shut-in, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of CIVIL PENALTIES for your violation of OCD rules.

Sincerely,



Aztec OCD District Office

Note: Pressure Tests are performed prior to initial injection, after repairs and otherwise, every 5 years; Bradenhead Tests are performed annually. Information in Detail Section comes directly from field inspector data entries - not all blanks will contain data. "Failure Type" and "Failure Cause" and any Comments are not to be interpreted as a diagnosis of the condition of the wellbore. Additional testing should be conducted by the operator to accurately determine the nature of the actual failure. \* Significant Non-Compliance events are reported directly to the EPA, Region VI, Dallas, Texas.

**Wilson # 2- Commingle Procedure**

1635 FNL & 1550 FEL

29N 10W Sec. 31 Unit G

San Juan, NM

Lat: N36 41.113 Long: W107 55.313

AIN: 3216401 and 3216402

Scope: Moving on well to remove packer, remove tubing, test casing integrity, clean out to PBSD, run back in with a single 2-3/8" tubing string and produce as commingled FTS/CH.

1. Hold safety meeting. Comply with all NMOCD, BLM, and ConocoPhillips safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig.
2. MIRU. Record tubing and casing pressures and record in DIMS. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with SRB treated 2% KCL if necessary. ND wellhead and NU BOP.
3. Release Baker Lokset packer set at 2723' by rotating 10 revolutions to the right and pulling in tension 5,000 to 10,000 lbs. If packer will not pull free cut the Charca 2 1/16", 3.5#, J-55, IJ tbg and fish with an overshoot and jars. TOOH with the Charca 2 1/16", 3.5#, J-55, IJ tbg (set at 2733') as follows: (84) jts 2 1/16", 3.25#, IJ tbg, (1) L sliding sleeve, (1) 2 1/16" x 4' pup jt, (1) A-2 lokset RCP w 2 3/8" EU 8rd box and pin, (1) 2 1/16" F-nipple, (1) 2 1/16" x 5' pinned mule jt. Visually inspect tubing string as it is being laid down. Report condition of tubing in DIMS and type of scale, if any.
4. PU bit or mill for 4 1/2" casing and TIH to clean out to PBSD at 3011'. TOOH.
5. PU and TIH with 4-1/2" RBP and packer on 2-3/8" tubing to pressure test casing for MIT. Set RBP at 2720' (approx 50' above top CH perfs) and packer at 1663' (approx. 50' below bottom FTS perfs) to test casing between perfs to 500 psi for 30 min and record on 2 hour chart. Reset packer to 1481' (approx. 50' above top FTC perf to test casing to surface to 500 psi for 30 min and record on a 2 hour chart. (If casing does not test, contact rig superintendent, & area engineer and begin leak isolation) TOOH and lay down packer and RBP.
6. PU and TIH with 2-3/8" work string and cleanout to PBSD (3011').
7. RU test unit and pit. Flow test the entire wellbore up the 2-3/8" tubing (set at 2890') with a backpressure equivalent to the line pressure in that area on unit. Swab if necessary to kick well off. Run a minimum 3-hour test and record results in DIMS. Be sure that it is a stabilized test, no spikes that indicate loading or surging. If the well is unstable continue with test until a stable 3-hour test has been recorded.
8. RD the test unit lines but do not RD the unit. (Unit will be utilized in test.).
9. PU 4 1/2" RBP on 2-3/8" tubing. RIH and set RBP @ 1763' (approx. 150' below bottom FTS perforation).
10. Set 2-3/8" tubing at 1615'.
11. RU test unit and pit. Flow test FTC up the tubing with a backpressure equivalent to the line pressure in that area on unit. Swab if necessary to kick off. Ensure that test is performed with the same backpressure as the Commingled FTS/CH Test. Run a minimum 3-hour test and record results in DIMS and on the drilling test sheet. Be sure that it is a stabilized test, no spikes that indicate loading or surging. If the well is unstable continue with test until a stable 3-hour test has been recorded.
12. If unable to perform either flow test, contact foreman and area engineer for further instruction.
13. Latch onto RBP, equalize, TOOH and LD RBP.
14. TIH with the following:
  - 1 - 2-3/8" mule shoe expendable check
  - 1 - 2-3/8" F Nipple (1.78")
  - 1 - 2-3/8" 4.7# J-55, EUE tubing joint
  - 1 - 2-3/8" x 2' 4.7# J-55, EUE tubing sub
  - ~96 jts - 2-3/8", 4.7#, J-55, EUE tbg as required to land @ 2890, SN @ ~ 2889'.
15. ND BOP, NU wellhead. Make swab run if necessary to kick off well. Notify lease operator that well is ready to be returned to production.

Recommended:

Ryan Frost Area Engineer  
324-5143 Office  
320-0953 Cell

Jim Work - Foreman  
Office (324-5134)  
Cell (320-2447)

Approved:

Lyle Ehrlich Sr. Rig Supervisor  
599-4002 Office  
320-2613

Freddy Proctor - Operator  
Cell (486-6937)

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-6161 Fax:(505) 393-0720

District II  
1301 W. Grand Ave., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720

District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-102  
Permit 41047

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number <i>30-045-23730</i>	2. Pool Code 82329	3. Pool Name OTERO CHACRA (GAS)
4. Property Code 7639	5. Property Name WILSON	6. Well No. 002
7. OGRID No. 14538	8. Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	9. Elevation 5582

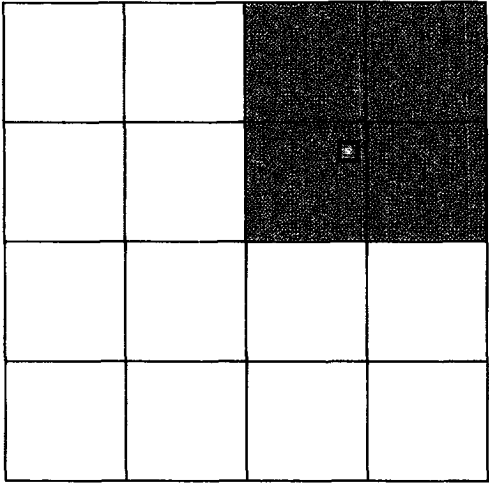
10. Surface Location

UL - Lot G	Section 31	Township 29N	Range 10W	Lot Idn	Feet From 1635	N/S Line N	Feet From 1550	E/W Line E	County SAN JUAN
---------------	---------------	-----------------	--------------	---------	-------------------	---------------	-------------------	---------------	--------------------

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 160.00		13. Joint or Infill		14. Consolidation Code			15. Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: *Philana Thompson*  
Title: *Regulatory Tech*  
Date: *11/8/06*

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: James F. Leese  
Date of Survey: 7/12/1979  
Certificate Number: 1463

**WILSON 2 CH**

Unit G T029N R010W Sec.031

1635 FNL &amp; 1550 FEL

API Number: 30045237300000

SAN JUAN COUNTY, NM

AIN: 3216401

Latitude N36 41.113  
Longitude W107 55.313

Spud date: 2/27/80 Completion Date: 5/1/80

GL = 0,000'

KB = 0,000'

**Current/Proposed Wellbore****STATUS**

FLOWING

**CASING RECORD:**7 5/8" 26.40# K-55 set @ 203'  
Cemented with 85 sxTOC @ Surf

TOC @ 808'

(By 75% calc)

**TUBING RECORD:**

2 1/16" 3.25# J-55 set @ 2733' F-nipple @ 2726

**Current Production String**(84) jts 2 1/16", 3.25, IJ tbg  
(1) "L" sliding sleeve  
(1) 2 1/16" x 4' pup jt  
(1) A-2 Lokset RCP  
(1) 2 1/16" F-nippled  
(1) 2 1/16" x 5' pinned mule jtTop sliding sleeve  
@ 2716'Baker Lokset  
packer @ 2723'**CASING RECORD:**4 1/2" 9.50# K-55 set @ 3052'  
Cemented with 350 sxTOC @ 808'**FORMATION TOPS:**Ojo Alamo 745'  
Fruitland Coa 1525'  
Pictured Cliffs 1782'  
Chacra 2366'**WORKOVER HISTORY:**

Replaced 13 bad jts of tubing (3/17/87)

1531' 1000 gals 15% HCL  
45,000 lb 20/40 sd & foam

1613'

**FORMATION NAME****PERFORATIONS**2770' 1000 gals 15% HCL  
80,000 lb 20/40 sd & foam

2892'

PBTD= 3011'  
TD= 3052'

11/7/06

RMF

11/7/2006



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington Field Office  
1235 La Plata Highway, Suite A  
Farmington, New Mexico 87401

Attachment to Notice of Intent for Remedial Work

**Well: Wilson #2**

### **CONDITIONS OF APPROVAL:**

- 1.) Farmington Field Office is to be notified at least 24 hours before remedial cementing operations commence (505) 599-8907.
- 2.) It will be necessary to submit a DHC application since the Otero Chacra and Aztec Fruitland Sand Pools are not pre-approved for commingling.
- 3.) Prior approval is to be obtained from the Petroleum Management Team if remedial cementing work is necessary.

Wayne Townsend – (505) 599-6359

Jim Lovato – (505) 599-6367

Steve Mason – (505) 599-6364

## **BLM CONDITIONS OF APPROVAL**

### ***WORKOVER AND RECOMPLETION OPERATIONS:***

A properly functioning BOP and related equipment must be installed prior to commencing workover and/or recompletion operations.

### ***SURFACE USE OPERATIONS:***

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

***STANDARD STIPULATIONS:*** All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of work-over activities.

### ***SPECIAL STIPULATIONS:***

1. Pits will be fenced during work-over operation.
2. All disturbance will be kept on existing pad.
3. All pits will be pulled and closed immediately upon completion of the work-over activities.
4. Pits will be lined with an impervious material at least 12 mils thick.