

1. Type of Well  
GAS

**BURLINGTON  
RESOURCES**

**OIL & GAS COMPANY**

PO Box 4289, Farmington, NM 87499 (505) 326-9700

1600' FNL, 1630' FEL, Sec.8, T-29-N, R-10-W, NMPM

7. Unit Agreement Name

11. County and State  
San Juan Co, NM

## Conversion to Injection

It is intended to commingle the subject well according to the attached procedure.  
An application for down hole commingle will be submitted.

TLW

Date 9/17/01

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

**Nye Federal #2**  
**Mesaverde / Dakota**  
**1600' FNL & 1630' FEL**  
**Unit G, Sec. 08, T29N, R10W**  
**Latitude / Longitude: 36° 44.59' / -107° 54.22'**  
**AIN: 3472201 MV / 3472202 DK**  
**8/14/2002 Commingle Procedure**

**Summary/Recommendation:**

The Nye Federal #2 was originally drilled and completed as a Dakota producer in 1960. In 12/1996 the Mesaverde formation was completed, and the well became a Mesaverde/Dakota dual. A packer test performed 07/26/2002 showed communication between the producible zones. The Aztec NMOCD office has demanded remedial action be completed as soon as possible. In order to comply with the demand, it is recommended to remove the packer and produce both zones up 2-3/8" tubing. The Dakota formation has not produced since 11/1995, and the Mesaverde formation is currently producing 130 MCF/D. Anticipated uplift is 45 MCF/D from the Dakota and 15 MCF/D from the Mesaverde.

**NOTE: ALL DEPTHS ARE MEASURED FROM KB. KB to GL was 12'.**

1. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. Notify BROG Regulatory (Peggy Cole 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS/WIMS. Allow as much time as possible prior to pump time in case the Agency decides to witness the cement.
2. Prior to moving rig on, broach tbg and set tbg plug in F-nipple at 6685' on the Dakota string. To ensure the tbg plug is held in place, fill tbg with half of volume with 2% KCL. MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water if necessary. ND WH and NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. (A single-tubing donut and WH for 2-3/8" tubing will be needed.) Test secondary seal and replace/install as necessary.
3. Pick up 1-1/4", 2.33#, J-55 IJ Mesaverde tubing set @ 4440' (SN @ 4407') and RIH to the top of the packer (~4718') to determine if any fill is present (record depth). TOOH laying down the Mesaverde tubing.
4. Release 5-1/2" Model R-3 DoubleGrip Packer with straight pickup (no rotation required). If packer will not come free, then cut 1-1/2", 2.90#, J-55 tubing above the packer and fish with overshot and jars. TOOH with 1-1/2", 2.90#, J-55 EUE Dakota tubing (set at 6718'). Visually inspect tubing for corrosion and replace any bad joints. Check tubing for scale build up and notify Operations Engineer and Drilling Manager.
5. TIH with 4-3/4" bit and watermelon mill on 2-3/8" tubing. Cleanout to PBTD at +/- 6780' with air/mist. PU above the perforations (top perf @ 4094') and flow the well naturally, making short trips for clean up when necessary. **Note: when using air/mist, the minimum mist rate is 12 bph.** If scale is present, contact Operations Engineer and Drilling Manager to determine methodology for removing scale from casing and perforations. TOOH w/ tubing.
6. TIH with an expendable check on bottom, seating nipple, one joint 2-3/8", 2' x 2-3/8" pup joint, then 1/2 of the 2-3/8" tubing. Run a broach on sandline to ensure the tubing is clear. TIH with remaining 2-3/8" tubing and then broach this tubing. Replace bad joints as necessary.
7. Land tubing at approximately 6715'. ND BOP and NU single-tubing hanger WH. Pump off expendable check. Obtain final pitot gauge up the tubing. Connect to casing and circulate air to assure that the expendable check has pumped off. If well will not flow on its own, make swab run to seating nipple. **During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.** RD and MOL. Return well to production.

Recommended: Jay Paul McWilliams 9/10/02 Approved: Bruce W. Boyer 9-12-02  
 Operations Engineer Drilling Manager

Jay Paul McWilliams Office: 324-6146  
 Cell: 320-2586

Sundry Required: YES / NO  
 Approved: Regulatory 9-12-02

Lease Operator: Gerald Gonzales  
 Specialist: Terry Nelson  
 Foreman: Steve Florez

Cell: 320-1667  
 Cell: 320-2503  
 Cell: 320-0029

Pager: 327-8216  
 Pager: 326-8473  
 Pager: 326-8199