Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-078499A

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

8. **Well Name & Number**
Hardie E #2A

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **API Well No.**
30-045-22079

4. **Location of Well, Footage, Sec., T, R, M**
1050'FSL, 800'FEL, Sec.9, T-28-N, R-8-W, NMPM

10. **Field and Pool**
South Blanco PC/
Blanco Mesaverde

11. **County and State**
San Juan Co, NM

12. **CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

| Type of Submission | Type of Action | | |
|---|---|---|---|
| _X_ Notice of Intent | ___ Abandonment | ___ Change of Plans | |
| | ___ Recompletion | ___ New Construction | |
| ___ Subsequent Report | ___ Plugging Back | ___ Non-Routine Fracturing | |
| | ___ Casing Repair | ___ Water Shut off | |
| ___ Final Abandonment | ___ Altering Casing | ___ Conversion to Injection | |
| | _X_ Other - Commingle | | |

13. **Describe Proposed or Completed Operations**

It is intended to commingle the subject well according to the attached procedure.

DHC 372AZ

2001 APR 19 PM 1:11

JUL 2001
RECEIVED
OIL CON. DIV.
DIST. 3

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

Signed _____ Title Regulatory Supervisor Date 4/18/01

TLW

(This space for Federal or State Office use)
APPROVED BY /s/ Jim Lovato Title _____ Date JUL 10
CONDITION OF APPROVAL, if any:

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.

NMOCD

# Hardie E 2A

Mesaverde/Pictured Cliffs
AIN: 5300602/5300601
1050' FSL & 800' FEL
Unit P, Sec. 9, T28N, R08W
**Latitude / Longitude: 36° 40.289'/ 107° 40.766'**

## Recommended Commingle Procedure

**Project Summary:**
The Hardie E 2A was drilled in 1976 and completed in the Mesaverde formation. Five years later, in 1981, the Pictured Cliffs formation was added and the well has produced as a dual completion since this time. The Mesaverde is produced through 2-3/8" tubing, while the Pictured Cliffs is produced through 1-1/4" tubing. The tubing from either side has not been pulled since 1980. Commingling this well and installing a plunger lift system will enable to lift fluids and clean out the wellbore. The three month average production for the Mesaverde and PC zones is 209 MCFD and 32 MCFD respectively. Estimated uplift is 70 MCFD.

**Commingle Procedure:**

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. Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.**

2. RU wireline unit and set 2-3/8" tubing plug in MV tubing at 5350'.

3. MOL and RU workover rig. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with 2% KCL water as necessary. ND wellhead and NU BOP. Test and record operation of BOP rams. Have wellhead and valves serviced at machine shop to convert to a single string wellhead (2-3/8"). Test secondary seal and replace/install as necessary.

4. Release 1-1/4" tbg donut, pick up additional jts, and TIH to packer at 2994'. Attempt to clean sand and fill off of packer top (do not rotate 1-1/4" tbg). TOOH laying down 1-1/4" Pictured Cliffs tubing set at 2890'.

5. Release model G seal assembly from the Model D Packer with straight pickup (no rotation required). If seal assembly will not come free, then cut 2-3/8" Mesaverde tubing above the packer and fish with overshot and jars. TOOH with the 2-3/8" Mesaverde tubing (set at 5388') and seal assembly. Visually inspect tubing for corrosion and replace any bad joints. Check tubing for scale build up and notify Operations Engineer.

6. TIH with Model HE packer retrieval spear (PRS, with holes drilled near rotary shoe), rotary shoe, drain sub, top bushing, bumper sub, jars, and 4-6 drill collars on 2-3/8". Mill out Model D packer at 2994' with air/mist. **Note: when using air/mist, the minimum mist rate is 12 bph. Try to maintain air rate at 1,400 cfm. A hydrocarbon stable foamer should be utilized since this well makes significant amounts of condensate.** After milling over the packer slips, POOH with tools and packer body.

7. TIH with 3-7/8" watermelon mill and bit sub on 2-3/8" tubing and cleanout to PBTD at +/-5424' with air/mist. **Note: When using air/mist, minimum mist rate is 12 bph.** TOOH with tubing.

8. TIH with expendable check on bottom, **seating nipple above expendable check**, one joint of 2-3/8" tbg, one 2' pup joint (marker joint), then ½ of the 2-3/8" production tubing. Run a broach on sandline to insure that the tubing is clear. TIH with remaining 2-3/8" tubing, and broach this tubing. Replace any bad joints. Land tubing at ±5360' (be sure this is at least 50' above clean-out depth).

9. ND BOP and NU single string wellhead (2-3/8" master valve). Pump off expendable check and blow well in. Connect to casing and circulate air to assure that expendable check has pumped off. Obtain pitot gauge up the tubing. If well will not flow up the tubing, make swab run to SN.

10. **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: _____ Operations Engineer

Approved: Bruce W. Boyd 4-17-01 Drilling Superintendent

Regulatory Approval: _____ 4-17-01 Required: Yes X No ___

Operations Engineer: Kevin W Book
BR Office - 326-9530
Pager - 326-8848
Home - 326-6236

KWB
4/10/01

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Lease Operator: | Cliff Gates | Cell: | 320-2480 | Pager: | 326-8833 | | |
| Foreman: | Hans Dube | Office: | 326-9818 | Cell: | 320-4925 | Pager: | 949-2664 |