State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

API # (assigned by OCD)
30-039-06813

5. **Lease Number**

6. **State Oil&Gas Lease #**
E-290-38

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

7. **Lease Name/Unit Name**
San Juan 27-5 Unit

8. **Well No.**
18

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

9. **Pool Name or Wildcat**
Tapacito Pict. Cliffs/
Blanco Mesaverde

4. **Location of Well, Footage, Sec., T, R, M**
2111'FSL, 1624'FWL, Sec.36, T-27-N, R-5-W, NMPM, Rio Arriba County

10. **Elevation:**

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.
A down hole commingle application will be submitted.

SIGNATURE Peggy Cole (TF3) Regulatory Supervisor February 1, 2001

no

(This space for State Use)

Approved by Original Signed by STEVEN N. HAYDEN DEPUTY OIL & GAS INSPECTOR DIST. #3 Title FEB -6 2001 Date

San Juan 27-5 Unit 18
Mesa Verde/Pictured Cliffs
2111' FSL & 1624' FWL
Unit K, Section 36, T27N, R05W
Latitude / Longitude: 36° 31.72'/ 107° 18.76'
DPNO: 5334901 and 5334902
Commingle

Project Summary: The San Juan 27-5 Unit 18 was drilled in 1956 as a dual Mesa Verde/Pictured Cliffs. The Mesa Verde produced through the 2 3/8" tubing and the Pictured Cliffs produced through the annulus until 1967 when the PC began to log off. Casing pressures were declining and the Pictured Cliff was producing water uncharacteristic of the PC formation. At this time it was decided to produce the Pictured Cliff up the tubing and the side door choke was opened. This resulted in the tubing being flooded with water and sand. An Otis blanking choke was set at 5108' sealing off the Mesa Verde. The tubing was perforated at 3532' and 3501'. The Pictured Cliff is currently producing 68 MCFD up the tubing. Estimated uplift is 50 MCFD gross. This well is on the demand list for a packer test.

We propose to pull the tubing and packer, clean out to PBTD, set a packer below the PC perfs and swab test the Mesa Verde in an attempt to return the formation to production. If the Mesa Verde does not produce, a CIBP will be set above the top MV perforations resulting in temporarily abandoning the Mesa Verde formation. Production tubing will be set for the Pictured Cliffs. If the Mesa Verde does kick off, a pitot test will be ran and the well will be commingled. Three month average production is 68 MCFD for the Pictured Cliffs. Cumulative production is 2,391 MMCF for the Pictured Cliff and 272 MMCF for the Mesa Verde.

1. Hold safety meeting. 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 Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping <u>any</u> cement job. If an unplanned cement job is required, <u>approval is required before the job can be pumped</u>. <u>If verbal approval is obtained, document approval in DIMS</u>. Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.**

2. 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 wellhead and NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.

3. Release the Model EOJ Packer with straight pickup (no rotation required). If packer will not come free, then cut 2-3/8" tubing above the packer and fish with overshot and jars. TOOH with 2-3/8", 4.7#, J-55 tubing (set at 5775'). Visually inspect tubing for corrosion and replace any bad, perforated or plugged joints. Check tubing for scale build up and notify Operations Engineer.

4. TIH with 4-3/4" bit and a watermelon mill on 2-3/8" tubing to PBTD at +/-5820' cleaning out with air/mist. PU above the perforations and attempt to flow the well naturally, making short trips for clean up when necessary. TOOH with tubing. **NOTE: When using air/mist, minimum mist rate is 12 bph.**

5. TIH with 5-1/2" packer on the 2 3/8" tubing with SN on bottom. Set packer at +/-5100' with tail pipe extending to 5620'. Rig up to swab the Mesa Verde formation in an attempt to test gas flow. If the Mesa Verde **will not** produce gas, proceed with step 6 to TA the Mesa Verde. If the Mesa Verde **does** produce gas, obtain pitot gauge and continue with step 8 to commingle the well. TOOH with tubing and packer.

6. **TA Mesa Verde Procedure**: Set wireline CIBP at 5102'. TIH w/5-1/2" packer and set at 5050'. Pressure test CIBP to 750 psi. TOOH with tubing.

7. TIH with an expendable check, a seating nipple, 1 jt 2-3/8", a 2' x 2-3/8" sub and ½ of the 2-3/8" production string. Run a broach on sandline to insure that the tubing is clear. TIH with remaining tubing and broach this tubing. Replace any bad joints. Land tubing at approximately 3520'. ND BOP and NU WH. Pump off expendable check. 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 on its own, make swab run to SN. RD and MOL. **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.** Return well to production.

8. **Commingle Well Procedure:** TIH with RBP and set @3550'. Swab or blow well to kick off flowing and obtain pitot gauge. Release RBP and TOH.

9. TIH with an expendable check, a seating nipple, 1 jt 2-3/8", a 2' x 2-3/8" sub and ½ of the 2-3/8" production string. Run a broach on sandline to insure that the tubing is clear. TIH with remaining tubing and broach this tubing. Replace any bad joints. Land tubing at approximately 5620'. ND BOP and NU single string wellhead (2-1/16" master valve). Pump off expendable check. 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 on its own, make swab run to SN. RD and MOL. **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.** Return well to production. Shut well in until DHC order can be approved (utilize pitot gauges for allocation).

Recommended: T.J. Friesenhahn 1-31-01
Operations Engineer

Approved: Bruce O. Boyd 1-31-01
Drilling Superintendent

Operations Engineer Tim Friesenhahn
326-9539 (Office)
326-8113 (Pager)

Sundry Required: YES / NO

Approved: Peggy Cole 2-1-01
Regulatory Approval

Production Foreman	Ward Arnold	326-9846 (Office)	326-8303 (Pager)
Specialist:	Richard Lopez	320-6573 (Cell)	326-8681 (Pager)
Lease Operator:	Joe Becker	320-2548 (Cell)	324-7059 (Pager)

TJF/jks