

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

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator <b>BURLINGTON RESOURCES</b> OIL &amp; GAS COMPANY</p> <hr/> <p>3. Address &amp; Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 1790' FNL, 1550' FEL, Sec. 2, T-27-N, R-6-W, NMPM, Rio Arriba County</p>	<p>API # (assigned by OCD) 30-039-07190</p> <p>5. Lease Number</p> <p>6. State Oil&amp;Gas Lease # E-290-3</p> <p>7. Lease Name/Unit Name  San Juan 28-6 Unit</p> <p>8. Well No. 92</p> <p>9. Pool Name or Wildcat So Blanco Pict. Cliffs/ Blanco Mesaverde</p> <p>10. Elevation:</p>
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Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other - Commingle	

13. Describe Proposed or Completed Operations

It is intended to commingle the subject well according to the attached procedure.  
A down-hole application will be made.



SIGNATURE *Frank T. Chavez* (JLD) Regulatory Supervisor April 3, 2000

no  
(This space for State Use)

Original Signed by FRANK T. CHAVEZ SUPERVISOR DISTRICT # 3 APR - 5 2000  
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

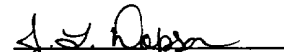
**San Juan 28-6 Unit #92**  
**PC/MV**  
**1790 FNL, 1550' FEL**  
**Unit G, Section 02, T-27-N, R-06-W**  
**Latitude / Longitude: 36° 36.324' / 107° 25.92'**  
**Asset Completion Number: 5344501 PC / 5344502 MV**

**Summary/Recommendation:**

San Juan 28-6 Unit #92 was drilled and completed as a PC/MV dual producer in 1959. A 2-3/8" string was landed for the MV, while a 1-1/4" string was landed for the PC. Later in 1961 the tubing strings were pulled because of a packer leak. No rig work has been performed since 1961. Both the PC and MV production declines are abnormally flat. In order to optimize production it is recommended to remove the packer, produce both zones up the MV 2-3/8" tubing string, and install a plunger lift system. Anticipated uplift is 70 Mcfd.

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 Bradfield 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 job.**
2. Haul to location ~5 joints of 1-1/4", 2.4#, EUE tubing. 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. Pictured Cliffs 1-1/4" tubing is set at 3284'. PU additional 1-1/4" tubing and TIH with 1-1/4" tubing. Tag top of 7-5/8" Baker Model D packer at 3325'. If fill is encountered, clean off top of packer with air mist. TOOHH with 1-1/4", 2.4#, J-55, EUE tubing and LD PC tubing. Send PC tubing string in to town for inspection and possible salvage. Mesaverde 2-3/8" tubing is set at 5462'. Pick straight up on MV tubing to release the seal assembly from the 7-5/8", Baker Model "D" packer set at 3325'. TOOHH with 2-3/8", 4.7#, J-55, EUE tubing. Check tubing for scale build up and notify Operations Engineer.
4. PU and TIH with 2-3/8" tubing and Baker Model "CJ" packer milling tool to recover the 7-5/8" Baker Model "D" packer at 3325'. Mill on packer with air/mist **using a minimum mist rate of 12 bph**. TOOHH and lay down packer.
5. TIH with 4-3/4" bit, bit sub and watermelon mill for 5-1/2", 15.5# casing on 2-3/8" tubing and round trip to PBTD at 5531'. Clean out with air/mist as necessary. **NOTE: When using air/mist, minimum mist rate is 12 bph**. If scale is present, contact Operations Engineer to determine methodology for removing scale from casing and perforations.
6. TIH with a notched expendable check, one joint 2-3/8", 4.7#, J-55, EUE tubing, F-Nipple, then 1/2 of the 2-3/8" tubing. Run a broach on sandline to insure the tubing is clear. TIH with remaining 2-3/8" tubing and then broach this tubing. Replace bad joints as necessary. CO to PBTD with air/mist **using a minimum mist rate of 12 bph**. Alternate blow and flow periods at PBTD to check water and sand production rates.
7. Land tubing at ± 5500'. 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 F-Nipple. RD and MOL. Return well to production.

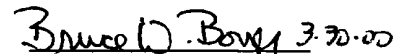
Recommended:

  
Operations Engineer

Jennifer L. Dobson


Office - (599-4026)  
Home - (564-3244)  
Pager - (324-2461)

Approved:

 3.30.00  
Drilling Superintendent

Sundry Required:

Approved:

 4-3-00  
YES NO  
Regulatory

JLD/plh

## OIL CONSERVATION DIVISION

API # 30-039-07190

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Revised 10/01/78

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator BURLINGTON RESOURCES OIL & GAS CO. Lease SAN JUAN 28-6 UNIT Well No. 92Location of Well: Unit G Sect 02 Twp. 027N Rge. 006W County RIO ARRIBA

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	PICTURED CLIFFS	Gas	Flow	Tubing
Lower Completion	MESAVERDE	Gas	Flow	Tubing

## PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in 10/10/98	Length of time shut-in 144 Hours	SI press. psig 344	Stabilized? (Yes or No)
Lower Completion	10/10/98	96 Hours	409	

## FLOW TEST NO. 1

Commenced at (hour,date)*		10/14/98		Zone producing (Upper or Lower)	
TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP	REMARKS
		Upper Completion	Lower Completion		
10/15/98	120 Hours	346	212		
10/16/98	144 Hours	351	197		

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or Meter): \_\_\_\_\_

## MID-TEST SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

(Continue on reverse side)

## FLOW TEST NO. 2

Commenced at (hour, date)**			Zone producing (Upper or Lower):		
TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD: Tested thru (Orifice or Meter): \_\_\_\_\_

Remarks: \_\_\_\_\_

I hereby certify that the information herein contained is true and complete to the best of my knowledge

Approved \_\_\_\_\_ 19 \_\_\_\_\_

New Mexico Oil Conservation Division

By \_\_\_\_\_ ORIGINAL SIGNED BY CHARLIE T. PERRIN

Title \_\_\_\_\_ DEPUTY OIL &amp; GAS INSPECTOR, DIST. #3

Operator \_\_\_\_\_ Burlington Resources

By \_\_\_\_\_

Title \_\_\_\_\_ Operations Associate

Date \_\_\_\_\_ Thursday, December 03, 1998

## NORTHWEST NEWMEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to lack of a pipeline connection the flow period shall be three hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except

that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).