

OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #: BARNES LS 006A
Meter #: 89755 RTU: - - County: SAN JUAN

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	BARNES LS 006A PC 89755	GAS	FLOW	TBG
LWR COMP	BARNES LS 006A MV 89754	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized
UPR COMP	12/05/95 05	72 HOURS	278	YES
LWR COMP	12/05/95 10	72 HOURS	392	YES

FLOW TEST DATE NO.1

Commenced at (hour, date)*

Zone Producing (Upr/Lwr)

TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		Prod Temp.	REMARKS
		Upper	Lower		
930/AM 12/05/95	Day 1	TUB 0 / GAS 272	391		Both Zones SI
12/06/95	Day 2	TUB 0 / GAS 278	391		Both Zones SI
950/AM 12/06/95	Day 3	TUB 0 / GAS 278	392		Both Zones SI
955/AM 12/08/95	Day 4	TUB 0 / GAS 278	392		TURVED UPPER ZONE ON 955 AM
10/AM 12/08/95	Day 5	TUB 0 / GAS 273	392		flowed upper zone
9 AM 12/10/95	Day 6	TUB 0 / GAS 271	392		"

Production rate during test

Oil: _____ BOPD based on _____ BBLs in _____ Hrs _____ Grav _____ GOR _____
Gas: _____ MFCPD: Tested thru (Orifice or Meter): METER

MID-TEST SHUT-IN PRESSURE DATA

	Hour, Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				JAN 13 1996
LWR COMP				OIL CON. DIV. DIST. 3

(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

JAN 17 1996

By _____

DEPUTY OIL & GAS INSPECTOR

Title _____

Operator _____

By _____

Title _____

Date _____ 1/18/96

NORTHWEST NEW MEXICO 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 the 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 test: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and hourly intervals thereafter, including one pressure measurement immediately prior to conclusion of each flow period. 7-day test: immediately prior to the beginning of a flow period, at least one time during each flow period (at approximately the mid-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 test: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must checked at least twice, once at the beginning and once at the end of each test, on 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 being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days of completion of the test. Tests shall be filed with the Area District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form No. 10-01-78 with all deadweight pressures indicated thereon as well as the flow temperatures (gas zones only) and gravity and GOR (oil zones only).