

OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:GCU 217E
Meter #:94353 RTU:1-077-06 County:SAN JUAN

	NAME RESERVOIR OR POOL		TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	PINON GALLUP 94963		OIL	ART LIFT	TBG
LWR COMP	BASIN DAKOTA 94353		GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized
UPR COMP	10/15/90 9:00 AM	72 Hours	1012	yes
LWR COMP	10/15/90 9:00 AM	72 Hours	116	yes

FLOW TEST DATE NO.1

Commenced at (hour,date)*				Zone Producing (Upr/Lwr)	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		Prod Temp.	REMARKS
10/15/90 9:00 AM	Day 1	Upper 997	Lower 213	0	Both Zones SI
10/16/90 9:00 AM	Day 2	997	233	0	Both Zones SI
10/17/90 9:00 AM	Day 3	997	248	0	Both Zones SI
10/18/90 12:00	Day 4	1012	116	72°	LWR on
10/19/90 12:30	Day 5	1013	115	62°	LWR on
10/20/90 1	Day 6	1015	113	63°	LWR on

Production rate during test

Oil: _____ BOPD based on _____ BBLs in _____ Hrs _____ Grav _____ GOR _____
Gas: 291 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	9:00 AM 10/15/90	72 hrs.	997	yes
LWR COMP	9:00 AM 10/15/90	72 hrs.	248	yes

(Continue on reverse side)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

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 NOV 23 1990 19_____
New Mexico Oil Conservation Division

By Original Signed by CHARLES GHOLSON
Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator AMOCO PRODUCTION COMPANY
By [Signature]
Title field tech
Date 11/5/90

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 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 of completion for multiple completion. Such tests shall also be commenced on all multiple completion wells 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.
- At least 24 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 operations shall also be so notified.
- 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.
- For Flow Test No. 1, one 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 an oil well and for 24 hours in the case of a gas 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.
- Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 2.
- Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1.

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

- Pressures for gas zone tests must be measured on each zone with a pressure gauge at time intervals as follows: 1 hour test: one pressure measurement at the beginning of each flow period, at fifteen-minute intervals during the flow period, at hourly intervals thereafter, including one pressure measurement at the conclusion of each flow period. 2-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at 15-minute intervals) and immediately prior to the conclusion of each flow period. Additional measurements may be taken as desired, or may be requested on wells which have previously failed a packer leakage test.
- 24-hour oil zone tests: all pressures, throughout the entire test, shall be measured and recorded with recording pressure gauges the accuracy of which shall be checked at least twice, once at the beginning and once at the end of each test. A deadweight pressure gauge, if a well is a gas-oil or an oil-gas dual completion, shall be required on the oil zone only, with deadweight pressure being taken on the gas zone.

- The results of the above detailed tests shall be filed in duplicate with the Division upon completion of the test. Tests shall be filed with the Asset Division Office of the Oil Conservation Division on Northwest New Mexico Packer Leakage Test 10-01-78 with all deadweight pressures indicated thereon as well as temperatures (gas zones only) and gravity and GOR (oil zones only).