

This form is not to be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

RECEIVED  
FEB 1 1988  
OIL CON. DIV.  
DIST. 3  
Well No. 180E

Operator AMOCO PRODUCTION COMPANY Lease GALLEGOS CANYON UNIT No. 180E  
Location of Well: Unit N Sec. 28 Twp. 29 Rge. 12 County SAN JUAN

	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	GALLUP	OIL	ABANDONED	
Lower Completion	DAKOTA	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion	1-17-88	5 days	35	yes
Lower Completion	1-17-88	5 days	0	yes

FLOW TEST NO. 1

Commenced at (hour, date)*				Zone producing (Upper or Lower):	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
1/17/88	Day 1	35	0	X	Both zones SI
1/18/88	Day 2	35	0		Both zones SI
1/19/88	Day 3	35	0		Both zones SI
1/20/88	Day 4	35	0		Both zones SI
1/21/88	Day 5	35	0		Both zones SI
1/22/88	Day 6	35	0		Both zones SI

Production rate during test Remarks - Both zones, unable to Produce  
 Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_  
 Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or Meter): \_\_\_\_\_

MID-TEST SHUT-IN PRESSURE DATA

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

FLOW TEST NO. 2

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

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 FEB 16 1988 19 \_\_\_\_\_  
New Mexico Oil Conservation Division

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

Operator Ameco Production Co.  
By R. U. Mantoye  
Title Measurement Tech.  
Date 1-31-88

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. The test shall be the same as for Flow Test No. 1 except

- that the previously produced zone shall remain shut-in while the zone which was produced is produced.
7. Pressures for gas-zone tests must be measured on each zone with a dead 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, hourly intervals thereafter, including one pressure measurement immediately prior to conclusion of each flow period. 7-day tests: immediately prior to the beginning of flow period, at least one time during each flow period (at approximately the midpoint) and immediately prior to the conclusion of each flow period. Other pressures 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 is checked at least twice, once at the beginning and once at the end of each test. dead-weight 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 dead-weight pressures as above 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 10-01-78 with all dead-weight pressures indicated thereon as well as the temperatures (gas zones only) and gravity and GOR (oil zones only).