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

NEW MEXICO OIL CONSERVATION COMMISSION

Revised 11-1-58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Cotton Petroleum Corporation Lease Apache Well No. 29

Location of Well: Unit C Sec. 14 Twp. 24 Rge. 4 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	So. Blanco Pictured Cliff	Gas	Flow	Casing
Lower Completion	Undesignated Chacra	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Compl	8-4-80	7 days	785	Yes
Lower Compl	8-4-80	7 days	621	Yes

FLOW TEST NO. 1

Commenced at (hour, date)* 8-11-1980 Zone producing (Upper or Lower): Lower

Time (hour, date)	Lapsed time since*	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks
8-11-1980	0 days	785	621		Lower zone flow to atmosphere
8-11-1980	15 min 30 min	786 786	34 21		for 3 hours; Upper zone shut-in
8-11-1980	45 min	786	18		
8-11-1980	1 hour	786	12		
8-11-1980	2 hours	786	11		
8-11-1980	3 hours	786	9		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____

Gas: Est. 260 MCFPD; Tested thru (Orifice or Meter): 3/4 inch adjustable choke

MID-TEST SHUT-IN PRESSURE DATA

	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Compl	8-4-1980	14 days	840	Yes
Lower Compl	8-11-1980	7 days	645	Yes

FLOW TEST NO. 2

Commenced at (hour, date)** 8-18-1980 Zone producing (Upper or Lower):

Time (hour, date)	Lapsed time since **	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp.	Remarks
8-18-1980	0 days	840	645		Upper zone flow 3 hrs. to
8-18-1980	15 min 30 min	281 148	645		atmosphere. Lower zone shut-in
8-18-1980	45 min	100	645		
8-18-1980	1 hr	89	645		
8-18-1980	2 hrs	78	645		
8-18-1980	3 hrs	70	645	60°	

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Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____

Gas: 986 MCFPD; Tested thru (Orifice or Meter): 3/4" positive Choke (Potential)

REMARKS: Lower zone (Chacra) had been produced as a single zone prior to completing the Pictured Cliff formation.

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

Operator Cotton Petroleum Corporation

By [signature]

Title Agent

Date 8-20-1980

Approved: AUG 29 1980 19____

New Mexico Oil Conservation Commission

By Original Signed by CHARLES GHOLSON

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

NORTHWEST NEW MEXICO [illegible]

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 Commission.

2. At least 72 hours prior to the commencement of any packer leakage test the operator shall notify the Commission [illegible] test is to be commenced [illegible]

3. The packer leakage test shall [illegible] completion are shut-in for [illegible] main shut-in until the well [illegible] however, that they need not remain [illegible]

4. For Flow Test No. 1, one zone of the [illegible] at the normal rate of production [illegible] Such test shall be continued for seven days [illegible] for 24 hours in the case of a [illegible] leakage test, a gas well is being flowed [illegible] of a pipeline connection the [illegible]

5. Following completion of Flow Test No. 1 [illegible] in, in accordance with [illegible]

6. Flow Test No. 2 shall be conducted even though [illegible] during Flow Test No. 1 [illegible] as for Flow Test No. 1 except that [illegible] main shut-in while the zone which was previously shut-in [illegible]

[illegible] tested on each zone [illegible] pressure [illegible] intervals as follows: 3-hour 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.

[illegible] throughout the entire test [illegible] with [illegible] at least [illegible] with a deadweight pressure [illegible] dual completion [illegible]

[illegible] results of the [illegible] shall be filed in [illegible] shall be [illegible] ation [illegible] Packer Leakage Test Form Revised [illegible] pressures indicated thereon as well as the flowing temperature [illegible] A pressure versus [illegible] deadweight pressure [illegible] should also [illegible] These [illegible] should also be tabulated on [illegible]