

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Northwest Production Corporation Lease JICARILLA 126 S Well No. 161
Location Box 1796, El Paso, Texas 79949
of Well: Unit M Sec. 2 Twp. 24N Rge. 4W County RIO ARRIERA

Name of Reservoir or Pool Type of Prod. Method of Prod. Prod. Medium
(Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)

Upper Completion	GALLUP	OIL	ART LIFT	TBG
Lower Completion	DAKOTA	OIL	ART LIFT	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	10:00am 8/11/69	3 Days	429	No
Lower Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	10:00am 8/11/69	3 Days	-0-	Yes

FLOW TEST NO. 1

Commenced at (hour, date)*9:00 am 8/14				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
9:00 a.m. 8/15	1 Day	464	-0-		Dakota zone plugged with paraffin

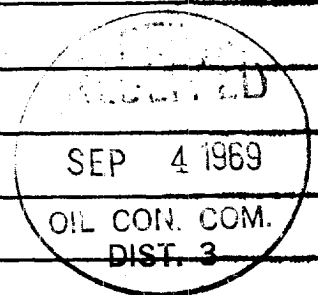
Production rate during test
Oil: -0- BOPD based on -0- Bbls. in -0- Hrs. Grav. GOR
Gas: -0- MCFPD; Tested thru (Orifice or Meter):

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	10:00am 8/11	7 Days	531	No
Lower Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
	9:00 am 8/15	3 Days	-0-	Yes

FLOW TEST NO. 2

Commenced at (hour, date)** 10:00 am 8/18				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
11:00 am 8/19	1 Day	25	-0-		



Production rate during test
Oil: 12.18 BOPD based on 12.18 Bbls. in 24 Hrs. Grav. 40.1 GOR 1,665
Gas: 20.28 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: 9-4 1969
New Mexico Oil Conservation Commission
By [Signature]
Title PETROLEUM ENGINEER DIST. NO. 3
Operator NORTHWEST PRODUCTION CORPORATION
By C. E. Werner, Manager
Title Production Operations
Date SEP 2 1969

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiply completed 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 disconnected. 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 in writing of the exact time the test is to be commenced. The 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 pressure between them 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 oil well 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. Procedures 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 deadweight pressure gauge at time intervals of not more than 15 minutes immediately prior to the beginning of each flow period, and at 15 minute intervals during the first hour thereof, and after. Including one pressure measurement taken at the beginning of each flow period. 7-day tests shall include one measurement at the beginning of each flow period, at least one at the midpoint (or approximately the midway point) and one at the conclusion of each flow period. Other pressures may be taken at any time, or may be requested on wells which have previously been tested and have no data.

24-hour oil zone tests. All pressures shall be continuously measured and recorded on each zone with deadweight gauges, the accuracy of which must be checked at the beginning and once at the end of each test, with a deadweight gauge. If a well is a gas-oil or an oil-gas well, a deadweight gauge shall be required on the gas zone, as well as on the oil zone, as required above being taken on the gas zone.

8. The results of the above-described tests shall be reported to the Commission within 15 days after completion of the tests, to the District Office of the New Mexico Oil and Gas Commission, Northwest New Mexico Packer Leakage Test Form No. 1, which shall include deadweight pressures indicated thereon as well as the following: (gas zones only) and gravity and GOR test results. The time curve for each zone of each test shall be graphed on the right side of the Packer Leakage Test Form with all data points taken indicated thereon. For oil zones, the pressure curves shall indicate all key pressure changes which may be reflected by the test gauge charts. These key pressure changes should also be indicated on the front of the Packer Leakage Test Form.

