

OFFICE OF THE
OIL CONSERVATION
DIVISION
SANTA FE, NEW MEXICO

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Caulkins Oil Company Lease Breech "E" Well No. 583-M
Location of Well: Unit L Sec. 5 Twp. 26 North Rge. 6 West County Rio Arriba
Type of Prod. Gas Method of Prod. Flow Prod. Medium Tubing
Name of Reservoir or Pool Mesa Verde (Oil or Gas) Gas (Flow or Art. Lift) Flow (Tbg. or Csg.) Tubing

Upper Completion	Mesa Verde	Gas	Flow	Tubing
Lower Completion	Dakota	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

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

FLOW TEST NO. 1

Commenced at (hour, date)*		Shut-in 11-25-83		Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
11-26-83	24 Hours	373	960		Both Zones shut-in
11-27-83	48 Hours	421	964		Both Zones shut-in
11-28-83	72 Hours	466	1003		Both Zones shut-in
11-29-83	96 Hours	500	333		Mesa Verde shut-in Dakota Flow
11-30-83	120 Hours	535	302		Mesa Verde Shut-in Dakota Flow

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: _____ 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)
Lower Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

FLOW TEST NO. 2

Commenced at (hour, date)**				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone	Remarks
		Upper Compl.	Lower Compl.	Temp.	

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CON. DIV.

DIST. 3

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ 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: DEC 29 1983
Oil Conservation Division

Original Signed by CHARLES GHOLSON

Operator Caulkins Oil Company

By Charles Gholson

Title Superintendent

File Oil Conservation Division, DIST. 30

Date 12-1-83

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be conducted on each multiple completed well within 30 days after actual completion of the well, and normally completed or abandoned wells under authorizing the multiple completion. Tests shall be conducted on wells completed by multiple completions within 30 days after actual completion and/or completion of fracture treatment, and shall be conducted on wells as well as on gas wells during which the packer is installed and then abandoned. Tests shall also be taken if any time after completion is requested or when requested by the Division.

2. The Division shall be notified of the commencement of any packer leakage test. The Division shall certify the Division in writing of the exact time the test is to be conducted. If test operators shall also be notified.

3. The packer leakage test shall normally, when both zones of the dual completion are shut-in, be conducted at a pressure of 100 psi. Both zones shall remain shut-in until the wellhead pressure in both has stabilized, provided the test is conducted within 30 days after completion.

4. The packer leakage test shall be conducted on the dual completion shall be produced at a normal rate of production while the other zone remains shut-in. Such test shall be conducted for seven days in the case of a gas well and for 14 days in the case of an oil well. Within 14, in an initial packer leakage test, this well is being flowed to the atmosphere due to the lack of a gas well completion and flow period shall be three hours.

5. Following completion of flow test No. 1, the well shall again be shut-in. The test shall be conducted as follows:

6. The packer leakage test shall be conducted upon known no leak was indicated on the flow test. The flow test No. 1 is to be the same as the flow test No. 2. The test shall be conducted on the same well as the flow test No. 1. The test shall be conducted on the same well as the flow test No. 1. The test shall be conducted on the same well as the flow test No. 1.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 1-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 completion of each flow period. 2-hour 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 completion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

8. 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 must be checked at least twice, once at the beginning and once at the end of each test, with a 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 above being taken on the gas zone.

9. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the State District Office of the Oil Conservation Division in Northwest New Mexico Packer Leakage Test Form Revised 10-1-73, with all deadweight pressures indicated thereon as well as the flowing temperatures, gas zones only, and gravity and API oil zones only. A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken and indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected on the recording gauge charts. These key pressure changes should also be tabulated in the front of the Packer Leakage Test Form.

