

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Consolidated Oil & Gas, Inc. Lease Northwest Well No. 4
Location of Well: Unit B Sec. 8 Twp. 26N Rge. 4W County Rio Arriba

Name of Reservoir or Pool (Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)
Upper Completion Gallup Gas Flow Tbg
Lower Completion Dakota Gas Flow Tbg

PRE-FLOW SHUT-IN PRESSURE DATA
Upper Hour, date 6-14-83 Length of time shut-in 3 days SI press. 742 Stabilized? No
Lower Hour, date 6-14-83 Length of time shut-in 3 days SI press. 742 Stabilized? No

FLOW TEST NO. 1
Commenced at (hour, date)* 6-17-83 Zone producing (Upper or Lower): LOWER
Time Lapsed time Pressure Prod. Zone Remarks
(hour, date) since* Upper Compl. Lower Compl. Temp.
6-15-83 510 490 Both zones SI
6-16-83 563 690 Both zones SI
6-17-83 742 742 Both zones SI
6-18-83 *1 day 745 329 Lower zone flowing
6-19-83 *2 days 747 295 Lower zone flowing

Production rate during test
Oil: BOPD based on Bbls. in Hrs. Grav. GOR
Gas: 170 MCFPD; Tested thru (Orifice or Meter): METER

MID-TEST SHUT-IN PRESSURE DATA
Upper Hour, date Length of time shut-in SI press. Stabilized?
Lower Hour, date Length of time shut-in SI press. Stabilized?

FLOW TEST NO. 2
Commenced at (hour, date)** Zone producing (Upper or Lower):
Time Lapsed time Pressure Prod. Zone Remarks
(hour, date) since ** Upper Compl. Lower Compl. Temp.

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: July 8, 1983 19
New Mexico Oil Conservation Commission
Original Signed by CHARLES GNOLSON
By
Title Production & Drilling Technician
Date July 8, 1983
Operator Consolidated Oil & Gas, Inc.
By Bahara C. Rex
Title Production & Drilling Technician
Date July 8, 1983

1. A packer leakage test shall be commenced on each multiple completed well within seven days after actual completion of the well, and actually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following completion and of 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 in writing of the exact time the test is to be conducted. Test locations 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. Procedure 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.

Pressure and pressure losses at the bottom hole shall be measured immediately prior to the beginning of the flow period, at fifteen-minute intervals during the first hour thereafter at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests immediately prior to the conclusion of each flow period, at least one during each flow period (at approximately the midway point) immediately prior to the conclusion of each flow period. Other plans may 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 must be used at least tested, one at the beginning and one at the end of each day with a pressure light pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil-oil only, with headlight pressure as indicated above being taken on the gas-oil.

6. The results of the above-described tests shall be filed in triplicate within 48 hours after completion of the tests shall be filed with the United District Office of the New Mexico Oil Conservation Commission in Northwell, New Mexico Packer Leakage Test Form Revised 11-1-58, with all test data, pressures indicated thereon as the flowing temperatures (gas-oil, oil and gravity and API (oil 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 which will indicate pressure points taken during the test. For oil zone pressure curve should also indicate a pressure change which is reflected by the recording gauge. These key pressure points should also be tabulated on the front of the Packer Leakage Test Form.

