NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Well No. 1 (ND) Operator Consolidated Oil & Gas Inc Lease Freeman Location of Well: Unit H Sec. 11 Twp. 31 Rge. 13 County Sen Tuen

Type of Prod. Method of Prod. Prod. Medium Type of Prod. Method of Prod.

Name of Reservoir or Pool (Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.) Upper Completion Mesa Verde Lower Dakota Completion Gas The. PRE-FLOW SHUT-IN PRESSURE DATA Upper Hour, date Length of SI press. Stabilized? Compl Shut-in 6-22-80 (Yes or No.) ves time shut-in TApsig 0 SI press. Stabilized? Lower Hour, date Length of psig 590 Compl Shut-in 6-22-80 time shut-in 3-Days (Xes or No) No FLOW TEST NO. 1 Zone producing (Uppercor Lower): Lower Commenced at (hour, date)*
Time | Lapsed time | Pressure Prod. Zone (hour, date) Upper Compl. Lower Compl. Temp. since* Remarks 6-23-80 0 420 1-Day Both Zones Shut Tn 6-24-80 0 2-Days 531 Both Zones Shut In 6-25-80 3-Days 0 590 Both Zones Shut In 6-26-80 0 325 1-Day Lower Zone Flowing 6-26-80 0 2-Days 320 Lower Zone Flowing Production rate during test ____BOPD based on Hrs._ Bbls. in Gas: 96 MCFPD; Tested thru (Opidice or Meter): Meter MID-TEST SHUT-IN PRESSURE DATA Stabilized? Upper Hour, date Compl Shut-in Length of SI press. time shut-in (Yes or No) psig Lower Hour, date SI press. Stabilized? Length of (Yes or No) time shut-in psig Compl Shut-in FLOW TEST NO. 2 Zone producing (Upper or Lower): Commenced at (hour, date)** Pressure Prod. Zone Time Lapsed time Upper Compl. Lower Compl. (hour, date) Remarks since ** Temp. \mathcal{O}_{i} Production rate during test Oil: BOPD based on Bbls. in Hrs. Grav. GOR MCFPD; Tested thru (Orifice or Meter): Gas:__ REMARKS:___ I hereby certify that the information herein contained is true and complete to the best of my knowledge. Operator Consolidated Oil & Gas Inc Approved: JUL 1 1930 19 New Mexico Oil Conservation Commission By____ Original Signed by CHARLES GHULSON Title Production Superintendent Title DEPUTY Oil & GAD (ASPELLAGE OF LA #) Date___

- 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.
- 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. 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.
- Following completion of Flow Test No. 1, the well shall again be shutin, 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.

- 7. Pressures for gas-zone tests must be measured on each zone with a deadwealth pressure gauge at time 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.
- 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 record-acceptable be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
- 8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed into the Aztec District Office of the New Mexico Oll Conservation Commission on Northwest New Mexico Packer Leakage Test Form Revised 11-1-58, with all deadweight pressures indicated thereon as well as the flowing tespe atures (sas mones only) and gravity and GOR (oil zones only). A pressure rersus time curve for each zone of each test shall be constructed on the riverse side of the Packer Leakage Test form with all dradweight pressure points taken indicated thereon. For oil zones, the pressure curve should hiso indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the iron of the Packer Leakage Test form.

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