

This form is to be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Supton Energy Corp. Lease Zachry Well No. 15-E  
Location of Well: Unit C Sec. 33 Twp. 29N Rge. 10 W County San Juan  
Type of Prod. (Oil or Gas) Method of Prod. (Flow or Art. Lift) Prod. Medium (Tbg. or Csg.)

Table with 4 columns: Completion, Name of Reservoir or Pool, Type of Prod., Method of Prod., Prod. Medium. Rows: Upper Completion (Wildcat Gallup, Oil, Pumping, Tubing), Lower Completion (Basin Dakota, Gas, Flowing, Tubing)

PRE-FLOW SHUT-IN PRESSURE DATA

Table with 4 columns: Completion, Hour, date Shut-in, Length of time shut-in, SI press. psig, Stabilized? (Yes or No). Rows: Upper Compl (9:00 A.M. 5/22/81, 7 Days, 840, No), Lower Compl (9:00 A.M. 5/22/81, 7 Days, 1026, No)

FLOW TEST NO. 1

Table with 6 columns: Time (hour, date), Lapsed time since\*, Pressure (Upper Compl., Lower Compl.), Prod. Zone Temp., Remarks. Commenced at 10:30 A.M. 5/29/81. Zone producing (Upper or Lower): Lower. Data points from 10:30 to 1:30 A.M.

Production rate during test  
Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hrs. Grav. \_\_\_\_\_ GOR \_\_\_\_\_  
Gas: 993 MCFPD; Tested thru (Orifice or Meter): Orifice

MID-TEST SHUT-IN PRESSURE DATA

Table with 4 columns: Completion, Hour, date Shut-in, Length of time shut-in, SI press. psig, Stabilized? (Yes or No). Rows: Upper Compl, Lower Compl

FLOW TEST NO. 2

Table with 6 columns: Time (hour, date), Lapsed time since\*\*, Pressure (Upper Compl., Lower Compl.), Prod. Zone Temp., Remarks. Commenced at (hour, date)\*\* Zone producing (Upper or Lower):

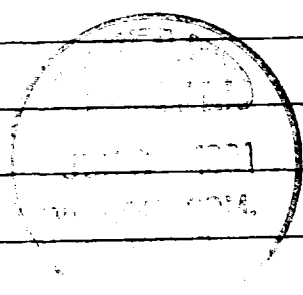
Production rate during test  
Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hrs. Grav. \_\_\_\_\_ GOR \_\_\_\_\_  
Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or Meter): \_\_\_\_\_

REMARKS: Flow test No. 2 will be run the first three hours the Gallup produces into the pipeline - per telephone conversation with Frank Chavez 5/21/81.

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

Approved: JUN 3 - 1981 19  
Oil Conservation Division  
Original Signed by CHARLES GHOLSON  
by \_\_\_\_\_  
Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Supton Energy Corp.  
By Kenneth E. Roddy  
Title Production Supt.  
Date \_\_\_\_\_



PACKER LEAKAGE TEST INSTRUCTIONS

1. The packer leakage test shall be performed on each multiple completion well at least once a year, and annually thereafter, for the remainder of the well's life, and annually thereafter for the remainder of the multiple completion well's life, and shall be performed on all multiple completions within 15 days after the completion of a well, or within 15 days after the completion of a well during which the packer leakage test shall also be taken at any time during the life of the well as requested or requested by the Division.
2. The packer leakage test shall be performed by the commencement of any packer leakage test. The test shall be performed in writing of the exact time the packer leakage test is performed. Test operators shall also be so notified.
3. The packer leakage test shall be performed with both zones of the dual completion well shut-in for pressure stabilization. Both zones shall remain shut-in for pressure stabilization, provided the packer leakage test shall not remain shut-in more than seven days.
4. The packer leakage test shall be performed on the dual completion well. The test shall be performed while the other zone remains shut-in. The test shall be performed for seven days in the case of a gas well and for 14 days in the case of an oil well. Note: If, on an initial packer leakage test, the packer leakage test is not followed to the atmosphere due to the lack of a suitable connection the flow period shall be three hours.
5. The packer leakage test shall be performed on Test No. 1, the well shall again be shut-in for pressure stabilization as above.
6. The packer leakage test shall be conducted once again if a leak was indicated on the packer leakage test for Flow Test No. 2 as to be the same as the packer leakage test that the previously produced zone shall remain shut-in. The packer leakage test shall be performed as previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight 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 recording gauge shall 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 with the Aztec District Office of the Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-1-78, with all deadweight pressures indicated thereon as well as the flowing temperature (gas zones only) and gravity and GOR (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 indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

P.S.I.G.  
1200

Zachry No 15-E

