

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Canoco Inc. Lease AXI Apache N Well No. 13

Unit 9 Sec. 2 Twp. 25 N Rge. 4 W County Rio Arriba

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

Name of Reservoir or Pool South Blanco Picture Cliff

Blanco Mesa Verde

PRE-FLOW SHUT-IN PRESSURE DATA

Hour, date 9:56 A.M. 4/4/85 Length of time shut-in 192 hrs SI press. 339# Stabilized? (Yes or No) Yes

Hour, date 9:56 A.M. 4/4/85 Length of time shut-in 144 hrs. SI press. 702# Stabilized? (Yes or No) Yes

FLOW TEST NO. 1

Commenced at (hour, date)* 4/10/85 1:00 P.M. Zone producing (Upper or Lower): Lower

Time (hour, date)	Lapsed time since*	Pressure Upper Compl. Lower Compl.	Prod. Zone Temp.	Remarks
<u>9:56 A.M. 4/4/85</u>		<u>304#</u>	<u>341#</u>	<u>S.I. P.C. and m.v. for P.B.V.</u>
<u>1:00 P.M. 4/9/85</u>		<u>335#</u>	<u>700#</u>	
<u>1:00 P.M. 4/10/85</u>		<u>339#</u>	<u>702#</u>	<u>Start flow on m.v. Only</u>
<u>3:00 P.M. 4/10/85</u>	<u>2 hrs.</u>	<u>339#</u>	<u>375#</u>	
<u>1:00 P.M. 4/11/85</u>	<u>24 hrs</u>	<u>339#</u>	<u>360#</u>	
<u>1:00 P.M. 4/12/85</u>	<u>48 hrs</u>	<u>339#</u>	<u>367#</u>	

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

Lower 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 Upper Compl. Lower Compl.	Prod. Zone Temp.	Remarks

Production rate during test

Oil: BOPD based on Bbls. in Hrs. Grav. GOR

Gas: MCFPD; Tested thru (Orifice or Meter):

REMARKS: 1985 RLT. No communication

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

Approved: APR 26 1985 19

New Mexico Oil Conservation Commission

By Charles Johnson

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Canoco Inc

By X [Signature]

Title X Senior Foreman

Date 11/7/1985

1. A packer leakage test shall be commenced on each multiple 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.

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.

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.

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 New Mexico Oil 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 temperatures (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.

This image shows a full page of blank graph paper. The grid consists of small squares formed by thin black lines. There are 20 columns and 20 rows of these small squares. The entire page is covered by this grid, with no margins or other markings.