STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

This form is not to be used for reporting packer leakage tests in Southeast New Mexico

OIL CONSERVATION DIVISION

1988

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator COLUMBUS ENERGY CORPORATION Lease CLAYTON Well No. 1-E

Location of Well: Unit P Sec. 2 Twp. 30N Rge. 12W County SAN JUAN

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	GALLUP	GAS	FLOW	TBG
Lower Completion	DAKOTA	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion	8-2-88	3 Days	272	yes
Lower Completion	8-2-88	3 Days	962	yes

FLOW TEST NO. 1

Commenced at (hour, date)* 8-5-88 Zone producing (Upper or Lower): Lower

TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE Upper Completion		PRESSURE Lower Completion	PROD. ZONE TEMP.	REMARKS
		CSG	TBG	TBG		
8-3-88		270	270	950		Both Zones Shut-In
8-4-88		272	272	960		" " "
8-5-88		272	272	962		" " "
8-6-88	1 Day	273	273	170		Lower Zone Flowing
8-7-88	2 Days	273	273	170		" " "

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: 92.5 MCFPD; Tested thru (Orifice or Meter): Meter

MID-TEST SHUT-IN PRESSURE DATA

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

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(Continue on reverse side)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

FLOW TEST NO. 2

Commenced at (hour, date)**

TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		Zone producing (Upper or Lower):	
		Upper Completion	Lower Completion	PROD. ZONE TEMP.	REMARKS

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ 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 SEP 08 1988 19____
New Mexico Oil Conservation Division

Original Signed by CHARLES GHOLSON

By _____

Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator COLUMBUS ENERGY CORPORATION

By Kay L. Eckstein

Title PRODUCTION & DRILLING TECH.

Date August 12, 1988

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

A packer leakage test shall be commenced on each multiply completed well within [n] days after actual completion of the well, and annually thereafter as prescribed by the [r] authorizing the multiple completion. Such tests shall also be commenced on all [l]tiple completions within seven days following recompletion and/or chemical or frac- treatment, and whenever remedial work has been done on a well during which the [e]r or the tubing have been disturbed. Tests shall also be taken at any time that com-[m]unication is suspected or when requested by the Division.

[A]t least 72 hours prior to the commencement of any packer leakage test, the operator notify the Division in writing of the exact time the test is to be commenced. Offset [o]perators shall also be so notified.

The packer leakage test shall commence when both zones of the dual completion are [s]hut in for pressure stabilization. Both zones shall remain shut-in until the well-head [p]ressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

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 [s]even days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on [i]nitial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a [g]as pipeline connection the flow period shall be three hours.

Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

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 deadweight pressure gauge at time intervals as follows: 3 hours 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 New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).