NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

	,		TARREST TARREST	ann Ovt	A course V	Well
Logation	r (onoco Inc. Lease AXI Apoche K No. 5					
of Well: Un	it h Sec. 1	O Twp. Z.6	Rge	9. 95 W	County	· Rio Amba
		voir or Pool	Type of Prod.	, Metnoa	of Prod. Art. Lift)	Proa. Mealum
Upper Completion	South Blanc	Pidoe Clift	605	Fli	W	Csg.
Lower Completion Blanco Mesa Verde		Gas	FLow		Tbg,	
PRE-FLOW SHUT-IN PRESSURE DATA						
Upper Hour, date 11:00 H.M. Length of Compl Shut-in Septiz, 1988 time shut-			of t_in 120 h	120 hrs. sig 785#		Stabilized? (Yes or No) Yes
Lower Hour, date 11.00 A.m. Length of			of 7.6 \	SI pres		Stabilized?
Lower Hour, date 11.00 And Length of SI press. Stabilized? Compl Shut-in Sept 12,1982 time shut-in 72 hrs. psig 530 (Yes or No) Yez						
Commenced at (hour, date)* 500+15,1988 11:00 Hon. Zone producing (Upper or Lower): Lower  Time Lapsed time Pressure Prod. Zone						
Time	Lapsed time	Pres	sure	Prod. Zone		
(hour, date)	since*	Upper Compl.	Lower Compl.	Temp.	Remarks	
11.00 AM. Sept 12,1988		580	510		S.I. Picture Cliff and Mesalverde	
11:00 A.m. 54pt 13, 198	8 -	700	515		5.I. 24 hrs.	
11:00 Am.		760	525	5.I, 48 hrs.		ò.
11', 90 A.m. Sept 15, 198	<u>'8</u> –	770	53 o		S.I. 72hrs.	
11:00 A.M. 5ept 14,1988	24	780	270		Flow Mesaverde 24hrs.	
11:00 A.m. 5ep+17,198	8   48	785	260		Flow Mesaverde 48 hrs.	
Production r	rate during tes	st esed on	Bbls. in	Hr	s. Gra	GOR
Gas:		MCFPD: Tested	thru (Orifice	or Meter):_		
			EST SHUT-IN PR	ESSURE DATA SI pre		Stabilized?
	per Hour, date Length of time shut-in			psig		(Yes or No)
Lower Hour,	wer Hour, date Length of		of	SI pre		Stabilized? (Yes or No)
Compl Shut-in time shut-in psig (Yes or No)  FLOW TEST NO. 2						
Commenced at (hour, date)**  Zone producing (Upper or Lower):						er or Lower):
Time	Time Lapsed time Pressure		Javan Compl	Prod. Zone Temp. Remarks		narks
(hour, date)	) since **	Upper Compr.	Lower Compt.	1 Chip		
				<del> </del>	BECEIAEU	
					OCT21 1988	
					OIL CON. DIV	
					DIST. 3	
Production	rate during te	st	1	<u> </u>		
Oil:	BOPD b	ased on	Bbls. in_	Hrs.	Grav.	GOR
				or Meter):		
REMARKS: 1	788 Test, N	o commu	nication			
				d de temp s	and complete t	o the best of my
knowledge.				a contract of the contract of		o the best of my
Annmoved.	OCT 2 1	1988 19	Operat	Operator Conoco Inc.		
New Mexico	Oil Conservat Original Signed by	ion Commission	n By S	tle Production technician		
Ву	•					
DEPUTY OIL & GAS INSPECTOR, DIST. #3  Date 10 4 88						

## NORTHWEST NEW MEXICO PACKER LEARAGE TEST INSTRUCTIONS

- 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.
- 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 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 deadweight pressure gauge at time intervals as follows: 3-hour test: 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.

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.

