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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

			NEW PERTOO I AOI			Well	
	outhern Union	Production C	ompany Le	ase Jicaril	la "L"	No <u>5</u>	
antion							
Well: Uni	t <u>N</u> Sec3	3_Twp25	N Rge	Yethed o	Count,	y Rio Arriba	
			Type of Prod.	, Method O.	rrou.	Prod. Medium	
	Name of Reser	voir or Pool	(Oll or Gas)	(FIOW OF A.	ro. niro)	(Tbg. or Csg.)	
per			0.1	W1		Tubing	
mpletion	Gallup		0:1	PIOW		THO THE	
wer			0-4	Flow		Tubing	
mpletion	Dakota	PRE_1	Gas FLOW SHUT-IN PRI	SSURE DATA			
Uour d	late 9:45 A.M		of	SI press	•	Stabilized?	
	in 6/13/76	time shi	ut-in 3 Days	psig	448	(Yes or No) No	
	late 9:45 A.M	<ul> <li>Length</li> </ul>	of	or bress	•	Stabilized?	
	in 6/13/76		ut-in 3 Days		717	(Yes or No) No	
mpi onac			FLOW TEST NO	0. 1			
mmenced at	(hour, date)*	9:45 A.M.	6/16/76		ducing (Upp	er or Lower): Lowe	
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our. date)	since*	Upper Compl.	Lower Compl.	Temp.	Re	marks	
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6/14/76	1 Day	357	610				
9:45 A.M.							
6/15/76	2 Days	407	685				
9:45 A.M.		440	717				
6/16/76	3 Days	448	147	-			
9:45 A.M.	4 Dame	493	197	70°			
6/17/76	4 Days	475	<del> </del>		<del></del>		
9:45 A.M.	E 20	499	194	70°			
6/18/76	5 Days	7//	<del>                                     </del>				
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ower Hour, date			Length of		5 ♦	(Yes or No)	
ompl Shut	<u>-in</u>	time sh	ut-in FLOW TEST N	O 2		(Tes of No)	
	7.	V V	LTOM ITOI N	Zone pro	ducing (Up	per or Lower):	
	(hour, date)	Pre	ssure	[Prod. Zone]			
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New Mexico	Oil Conservat	cion, Commissi	on By	Kenneth	s. Audy	KONTEIN C. ROZCY	
				Operati	ons Sunervi	sor	
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## NORTHWEST NEW MEXICO PACKER LEAKAGE 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.
- 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 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 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.

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