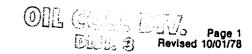


## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

## **OIL CONSERVATION DIVISION**



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

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operato	ı	CONOCO	INC	Lease _	JICARI	LLA K	We	ll . <u>15 (PD)</u>	
Location of Well:	u Unit	L Sec01	Twp25	Rge	05	Cou	inty	RIO ARRIBA	
	NAME OF RESERVOIR OR POOL			TYPE OF		METHOD OF PROD. (Flow or Art. Lift)		PROD, MEDIUM (Tbg. or Cag.)	
Upper Completion	PICTURED CLIFF			GAS	FLOW			TBG.	
Lower Completion	DAKOTA			GAS	FLOW			TBG.	
			PRE-FL	OW SHUT-IN I	RESSURE DATA				
Upper	Upper Hour, date shut-in Length of time			ut-In	SI press. psig	Stabilized? (Yes or No)		(Yes or No)	
Completion	11-10-20 3-DAIS			196		NO			
Lower Completion	1		Length of time sh		Si press. pelg 435		Stabilized? (Yes or No)		
Completion	1.11-	10-96	3-D	AYS	1	·	NO		
			· · · · · · · · · · · · · · · · · · ·	FLOW TEST	NO. 1				
Consmenced	at (hour, da	te)*	11-13-96		Zone producing (Up)	per or Lower):	low	er	
	TIME LAPSED TIME		<del></del>	PRESSURE			REMARKS		
- (nour.		SINCET	Upper Completion	Lower Completion	TEMP.	<del> </del> -			
11-1	1-96	1-DAY	196	430		BOTH ZONES SHUT IN		ES SHUT IN	
11-1	2-96	2-DAYS	226	433		BOTH ZONES SHUT IN			
11-1	3-96	3-DAYS	236	435		BOTH ZONES SHUT IN			
11-1	4-96	1-DAY	248	116		LOWER ZONE FLOWING			
11-1	5-96	2-DAYS	260	114		LOWER ZONE FLOWING			
Productio	on rate di	uring test		-					
Production rate during test  Oil: BOPD based on Bbls. in Hours Grav GOR									
G25:		<del></del>	MCFI	PD; Tested thru	(Orifice or Meter)	:		····	
MID-TEST SHUT-IN PRESSURE DATA									
Upper Completion	Y			l-In	Si press. psig		Stabilized? (Yes or No)		
Lower Completion	Hour, date st	ut-in	Length of time shut	Length of time shut-in		SI press. pelg		Stabilized? (Yes or No)	

FLOW TEST NO. 2

Commenced at (hour, da	10)**		Zone producing	(Upper or Lower):	
TIME LAPSED TIME		PRESSURE		PROD. ZONE	REMARKS
(hour, dets)	SINCE **	Upper Completion	Lower Completion	TEMP.	
			1	1	
	.				
· — — — — — — — — — — — — — — — — — — —					
•					
		-			
<del></del>					
Gas:	ВОР	MCI	PD: Tested thru	(Orifice or M	eter):
					best of my knowledge.  CONOCO INC
Approved					
New Mexico On Conscivation Division			1	Зу	SYLVESTER GOMEZ PRODUCTION SPECIALIST
	X mil	10104			PRODUCTION SPECIALIST
Ву					
Title	Deputy Oil & (	Gas Inspector	Date		

## 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 disrutbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division 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.
- 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.
- 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).