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

## **Oil Conservation Division**

## **Northwest New Mexico Packer-Leakage Test**

Page 1 Revised June 10, 2003

Operator ConocoPhillips Inc.				e Name MICH	Well No. 7		
ocation of Wo	ell: Unit Letter	BS	Sec <u>33</u>	Twp28N	Rge	9W API	# 30-045-26568
	Name of Reservoir or Pool		ol	Type of Prod		Method of Prod	Prod Medium
Upper Completion	СН		Gas	Gas			Tubing
Lower Completion	MV		Gas	Gas		ial Lift	Tubing
			Pre-Flow S	Shut-In Pressu	re Data		
Upper	Hour, Date, Shut-In			Length of Time Shut-In		ss. PSIG	Stabilized?(Yes or No)
Completion	5/14/2007		181	181 hours		155	Yes
Lower		Hour, Date, Shut-In		Length of Time Shut-In		ss. PSIG	Stabilized?(Yes or No)
Completion	5/14/200			hours		165	Yes
Time Lapsed Time (date/time) Since*			PRES Upper zone			Remarks	
					Prod Zone Temperature		Remarks
5/21/2007 1:43:05 PM		328	328 235		DP=169" LP=150 FLW RATE=250		
5/22/2007 10:55:03 AM 21		21	156	235		DP=049 " LP=15	5 FLW RATE=131
5/23/2007 9:00:21 AM 44		151	151 235		DP=03.3" LP=152 FLW RATE=032		
oduction rate	e during test						
l:	BPOD Based on:		Bbls. In	Bbls. InHrs.		Grav.	GOR
as	M	CFPD; Test tl	nru (Orifice or M	leter)			, ,
			M. 1. T 0	ihut-In Pressu	re Data	,	
			Mild-Lest S		~		
Upper Completion	Hour, Date, Shu	t-In		of Time Shut-In	SI Pres	ss. PSIG	Stabilized?(Yes or No)

(Continue on reverse side)



## Flow Test No. 2

Commenced at:		Zone Producing (Upper or Lower)						
Time	Lapsed Time	PRESSURE		Prod Zone				
(date/time)	Since*	Upper zone	Lower zone	Temperature	R	emarks		
		•						
	<u>L</u>							
Production rate during	y test	•						
Oil:BPO	D Based on:	Bbls. In	Hrs.		Grav.	GOR		
Gas	MCFPD; Test the	ru (Orifice or M	eter)					
	<del></del>							
Remarks:								
	7							
	<b>A</b>							
I hereby certify that th	e information herein co	ontained is true	and complete	to the best of	f my knowledge.			
Approved:	OV 1 6 2007	20						
New Mexico Oil Conservation Division H. Villanueva			– · Bv:	By: Marvin Charley				
		=						
Ву:			Title:	Multi-Skilled	d Operator			
	le: Deputy Oil & Gas In District #3-		Date:	Tuesday, N	ovember 13, 2007			

## NORTHWEST NEWMEXICO 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 distuibed. 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 lack of a pipeline connection the flow period shall be three hours.

- $6\,$  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)

 $<sup>5 -</sup> Following completion of Flow Test No <math display="inline">\,$  1, the well shall again be shut-in, in accordance with Paragraph 3 above