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 BR	- 12		Lease	Name ANGE	Well No24E		
ocation of We	ell: Unit l	Letter Se	ec <u>13</u>	Twp028N	Rge	011W API	# 30-045-25531
	Name of Reservoir or Pool			Type of Prod		Method of Prod	Prod Medium
Upper Completion	СН		Gas	Gas			Tubing
Lower Completion	DK		Gas	Gas			Tubing
			Pre-Flow S	hut-In Pressu	re Data		
Upper Completion	Hour, Date, Shut-In 7/19/2010		168 1	Length of Time Shut-In 168 hours		s. PSIG <b>24</b> 9	Stabilized?(Yes or No) Yes
Lower Completion	Hour, Date, Shut-In 7/19/2010			Length of Time Shut-In 249 hours		s. PSIG 127	Stabilized?(Yes or No) Yes
			Flo	w Test No. 1			
Commenced	at:	7/26/2010		Zone Pro	oducing (Upper	or Lower): UF	PER
Time		Lapsed Time Since*	ļ	SURE	Prod Zone Temperature	Remarks	
(date/time) 7/27/2010 9:00:00 AM		33	Upper zone	Lower zone	75	20% reached after 24 hour of flow	
7/28/2010 9:00:	MA 00	57	71	127	75	75	
7/29/2010 9:00:00 AM		81	58	127	75	test complete	
Production rate	_	est Based on:	Bbls. In	Hrs.	(	∂rav.	GOR
Gas		MCFPD; Test th	ru (Orifice or M	eter)		AND THE STREET	1,00
			Mid-Test S	hut-In Pressu	re Data		
	Hour, Date, Shut-In		<del></del>	Length of Time Shut-In		s. PSIG	Stabilized?(Yes or No)
Upper Completion	Hour, Da	ite, Shut-In	Length o	ir time Shut-in	3,1,133		,

(Continue on reverse side)





## Flow Test No. 2

Commenced at:			Zone Producing (Upper or Lower)					
Time	Lapsed Time Since*	PRESSURE		Prod Zone				
(date/time)		Upper zone	Lower zone	Temperature	Remarks			
Production rate during	utaet							
_								
Oil: BPO	D Based on:	Bbls. In	Hrs.	G	GravGOR			
Gas	MCFPD; Test th	nru (Orifice or M	eter)					
		•						
Remarks:								
I hereby certify that the	e information herein o	ontained is true	and complete	to the best of r	ny knowledge.			
Approved:	AUG 1 3 2010	20	Operat	tor: BR				
		20	_ `	•				
Ry: Lely G. \$	enservation Division		By:	By: David Bixler				
By: 4 et ? Cr. F			Title:	Title: Multi-Skilled Operator				
Title: Deput	ty Oil & Gas Insp	ector	Date:	Eriday July 3	0.2010			
Depu	District #3			Date: Friday, July 30, 2010				

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

- $6\,^{\circ}$  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-immute 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 approximately the midway point) and immediately prior to the conclusion of 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).