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 COP					Lease	Name AXI	Well No2A			
Location of We	II: Unit	Letter	P S	Sec	04	Twp026N	R	ge(	005W API	# 30-039-21223
	Name of Reservoir or Pool				Type of Prod			Method of Prod		Prod Medium
Upper Completion	PC				Gas			Flow		Tubing
Lower Completion	MV				Gas			Artificial Lift		Tubing
				Pre	-Flow S	hut-In Press	ure Data	1		
Upper	Hour, Date, Shut-In				Length of Time Shut-In			SI Press. PSIG		Stabilized?(Yes or No)
Completion	4/17/2009				132 hours			108		Yes
Lower	Hour, Date, Shut-In				Length of Time Shut-In			SI Press. PSIG		Stabilized?(Yes or No)
Completion	4/17/2009				82 hours			156.2		Yes
					Flo	w Test No. 1				
Commenced a	at: /20	/2009 10	:12:00 AM			Zone Pr	oducing	(Upper	or Lower): Lo	wer
Time Laps			sed Time		PRESSURE			Zone		
(date/time)		Since*		Uppe	er zone	Lower zone	Temperature		Remarks	
4/21/2009 12:06:00 PM			26		108	57.5	6	0	RCVD MAY 1'09	
4/22/2009 12:24	:00 PM	50							OIL CONS. DIV.	
4/22/2009 12·27:00 PM			50							DIST. 3
4/22/2009 12:30:00 PM			50							
4/22/2009 12:34:00 PM			50		108	. 56.2	60			
Production rate	during	test								
Oil:BPOD Based on:B				Bbl	Bbls. InHrs			Grav.		GOR
Gas		MC	FPD; Test t	hru (Orif	fice or M	leter)			<del></del>	
				Mic	d-Test S	hut-In Press	ure Data	<b>3</b>		
Upper Completion	er Hour, Date, Shut-In				Length of Time Shut-In			SI Press. PSIG		Stabilized?(Yes or No)
Lower Completion					Length of Time Shut-In			SI Pres	SI Press. PSIG Stabilized?(Yes or No	

(Continue on reverse side)

23/8 (2 5-810' 1.75 (2 3550) P(2 5100

## Flow Test No. 2

Commenced at:			Zone Producing (Upper or Lower)							
Time	Lapsed Time	PRES	SURE	Prod Zone		Remarks				
(date/time)	Since*	Upper zone	Lower zone	Temperature						
Production rate during	ı test									
_		Districts	11			000				
Oil: BPOI	D Based on:	Bbis. in	Hrs.		Grav	GOR				
GasMCFPD; Test thru (Orifice or Meter)										
Remarks:										
Tiomarks.										
,										
I hereby certify that the information herein contained is true and complete to the best of my knowledge.										
Approved: M										
<del></del>		20		Operator: COP						
New Mexico Oil Co	onservation Division		By:	Ramon Sano	doval					
By:	Rose		Title: _	Title: Multi-Skilled Operator						
Title:Deputy	Oil & Gas Inspec	ctor,	_ Date:	Date: Thursday, April 30, 2009						

## NORTHWEST NEWMEXICO PACKER LEAKAGE TEST INSTRUCTIONS

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 of the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected of when requested by the Division.

District #3

- 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
- 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
- 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.

- 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 well 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)

Following completion of Flow Test No 1, the well shall again be shut-in, in accordance with Paragraph 3