## This form is not to be used for reporting packer leakage tests

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## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Revised June 10, 2003

Upper	Name of Kes		Type of Pi	\$2.17 M. (22)	1.4	athad of Drad	Droc	Madium	
Upper	Name of Reservoir or Pool		(Oil or G		Method of Prod. (Flow or Art. Lift)		Prod. Medium (Tbg. Or Csg.)		
C			() 10 10	uo <i>)</i>	(	ow or zero. Entry	(10)	5. Or O3 <u>6</u> .)	
Completion	Mesa Ve	erde	GAS	GAS		Flow		Tbg	
Lower			_						
Completion	Dakota		GAS		Flow		T69		
		P	re-Flow Shut-In Pr	essure Dat	a				
Upper I	Hour, Date, Shut			Length of Time Shut-In		SI Press. Psig		Stabilized? (Yes or No	
	3:00 P/m 03		213 hrs		TP-88/770		yes		
	Hour, Date, Shut		Length of Time		SI Press. Psig		Stabilized? (Yes or No		
Completion 3	3:00 Pm 0	3-20-05	d/3 hr	2/3 hrs		180	yes		
			Flow Test N	o. 1					
Commenced at	t (hour, date)*	2: <b>2</b> 0 % 0	3-29.05 Zon	e producing	g (Up	per or Lower): (	APPET		
Time				sure Prod. Zone					
(Hour, Date)	Since*	Upper Compl.		Temp					
2:30 P/m	<b>.</b>					Flowing 7	nbing &	casing.	
03-30-05	26 hrs	150	180						
1236 F/m	11 8 600	50	190			//	11	11	
	48hrs	50	180				**		
9:30 A/m	69 hrs	44	184			/1	11	11	
11:nn Alm						,			
04-02-05	94.5 hrs	37	185			11	11	- 11	
<b>ル:00 杉州</b>									
-	118.5 Ars	18	187			"		- 11	
04-03-05	,,,,	·							
04-03-05 1 140P/m 04-05-05 12:00 P/m	144.5 hrs	18	188			11	11	11	

(Continue on reverse side)

## Flow Test No. 2

			Flow Test I					
Commenced a	at (hour, date)**	N/A	one producing (Upper or Lower): Lower.					
Time	Lapsed Time	Pre	ssure	Prod. Zone	Remarks			
(Hour, Date)	Since**	Upper Compl.	Lower Compl.	Temp.				
NOTE:	Tubing a	id Casing	was Eg	valized for	Shutin	pressu	ires.	(mesa
	upper Zor	e Shuti	n pressure	s Show	Packer Hol	ding		
. ,	Flow tes	+ #2 W	snt need	ed.				
				1.00	,		•	
				, p 4				
Production rate	BOPD based			Hrs	Grav.	GOR	<u> </u>	
Gas: W/A	MCFP MCFP	D; Test thru (Orif	ice or Meter):	NA				<del></del>
hereby certify	that the informat APR 15	ion herein contair 2005	ned is true and con		of my knowledg	,	C.	
	oil Conservation D	vivision	· · · · · · · · · · · · · · · · · · ·		_			
3y Charl	lake				inmy Coduction			
Γitle	SUPERVISOR	DISTRICT #3		E-mail Addr	ess <u>Jimmy</u> -	Costales	exTo	<u>Energy</u>
				Dota /	/ 14	2005		1

Northwest New Mexico 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 innually 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 equested by the Division.

- At least 72 hours prior to the commencement of any packer leakage est, the operator shall notify the Division in writing of the exact time the est 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 lowever, that they need not remain shut-in more than seven days.
- 1. 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 case of a gas well and 24 hours in the case of an oil well. Note: if, on an initial packer eakage 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 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 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 11-16-98, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).