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

NEW MEXICO OIL CONSERVATION DIVISION

MB

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Page 1 Revised June 10, 2003

 Operator
 WILLIAMS PRODUCTION
 Lease Name Rosa Unit
 Well

 No. 109 DK/GL

Location Of Well: Unit Letter M Sec 9 Twp 31N Rge 05W API # 30-0 3923520

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. Or Csg.)
Upper Completion	Galul	Gas	Flow	<i>C59</i>
Lower Completion	DAKOTA	645	Flow	Tb9

Pre-Flow Shut-In Pressure Data

Upper	Hour, Date, Shut-In		Length of Time Shut-In	SI Press. Psig	Stabilized? (Yes or No)
Completion	10:40	4-19-11	168 Hrs	528	ye5
Lower	Hour, Date, Shut-In	• • • • • • • • • • • • • • • • • • • •	Length of Time Shut-In	SI Press. Psig	Stabilized? (Yes or No)
Completion	10 40	4-19-11	168 Hrs	1826	yes

Flow Test No. 1

Commenced a	t (hour, date)*	4-26-11	1:00 Am	Zone	producing (Up	pper or Lower):
Time	Lapsed Time	Pre	essure		Prod. Zone	Remarks
(Hour, Date)	Since*	Upper Compl.	Lower Comp	ol.	Temp.	
11:00	o hrs	CSG.	T			Begen Flowing 1+194 et PSI
4-26-11	O My.	528	1826		470	JONE THEDK
11:00		CS &				
4-27-11	24 /tes "	568	1381		630	
11:00		C56				Well Soyed off + Supperstore used fule Dad Down to 34/5I
4-28-11	48 Hes	605	34		640	used fule Dod Down to 39131
			,		·	, -
				,		621
						123456789
		, , , , ,				RECEIVED 3
Production rate	during test					[2 SHAY 2011 3
Oil:	_ BÖPD based o	nBb	ls. In	Н	rs	19 OH CONS DIN DIOT 2
Gas: MCFPD; Test thru (Orifice or Meter):					meten	Grav. GOR

Mid-Test Shut-In Pressure Data

Upper	Hour, Date, Shut-In	Length of Time Shut-In	SI Press. Psig	Stabilized? (Yes or No)			
Completion							
Lower	Hour, Date, Shut-In	Length of Time Shut-In	SI Press. Psig	Stabilized? (Yes or No)			
Completion							

(Continue on reverse side)

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Flow Test No. 2

			Flow Test	No. 2			
Commenced at (hour, date)**				Zone producing (Upper or Lower):			
Time	Lapsed Time	Pro	essure	Prod. Zone	Remarks		
(Hour, Date)	Since**	Upper Compl.	Lower Compl.	Temp.			
		,			,		
		,					
â		·					
٠, ٠,				8-14-4	,		
				,			
Production rate	during test	*.*	·				
Oil:	BOPD based	d on	_Bbls. In	Hrs	Grav	GOR	
Gas:	MCFP	D; Test.thru (Ori	fice or Meter): $_$				
Remarks:				•	,		
I hereby certify	that the informat	tion herein contai	ned is true and co	omplete to the best			
Approved 20			20	Operator W	Illiams Produ	Action & Exploration	
New Mexico O	il Conservation I	Division				. , . ,	
	1////	· · · · · ·		By Micha	d Surule	<u> </u>	
By Thur				Title Su	was tech	·.	
Title SUPERVISOR DISTRICT # 3			E-mail Addr	ess mike by	uction & Exploration		
			•	Date	4-28-11	•	

- 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 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 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 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 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).