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

NEW MEXICO OIL CONSERVATION DIVISION

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NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Revised June 10, 2003

Name of Reservoir or Pool Odi or Gas) Proc. In Method of Prod. (Flow or An. Lift) (Tog. Or Csg.) Proc. In Method of Prod. (Flow or An. Lift) Odi or Gas) Proc. In Method of Prod. (Flow or An. Lift) Odi or Gas) Proc. In Method of Prod. (Flow or An. Lift) Odi or Gas) Proc. In Method of Prod. (Flow or An. Lift) Odi or Gas) Proc. In Method of Prod. (Flow or An. Lift) Odi or Gas) Proc. In Method of Prod. (Flow or An. Lift) (Tog. Or Csg.) Proc. In Method of Prod. (Flow or An. Lift) (Tog. Or Csg.) Tog. Proc. In Method of Prod. (Flow or An. Lift) (Tog. Or Csg.) Tog. Proc. In Method of Prod. (Flow or An. Lift) (Tog. Or Csg.) Tog. Proc. In Method of Prod. (Flow or An. Lift) (Tog. Or Csg.) Tog. Proc. In Method of Prod. (Flow or An. Lift) (Tog. Or Csg.) Tog. Tog. Proc. In Method of Prod. (Flow or An. Lift) (Tog. Or Csg.) Tog. Tog. Tog. Tog. Tog. Tog. Tog. Proc. In Method of Prod. (Tog. Or Csg.) Tog. To	Operator	WILLIAMS PR	ODUCTION	Lease	Name Rosa L	J <u>nit</u>	We _ No	ll . <u>024B DK/MV</u>				
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Cupper Completion Complet		Name of Res	ervoir or Pool									
Completion Com	Upper						low of Art. Litt)	(10g. Of Csg.)				
Completion Rosa 248 DK Gas From Tog	Completion	Rosa 24B	MV	GAS		from		They				
Pre-Flow Shut-In Pressure Data	1	_		GAS		from		The				
Upper Completion	,		P,			ta		J				
Lower Completion Hour, Date, Shut-In Completion Com	Upper	Hour, Date, Shut					Press. Psig	Stabilized? (Yes)or No)				
Flow Test No. 1 Zone producing (Upper or Lower): Lewer Time (Hour, Date) Since* Upper Compl. Lower Compl. Temp. Lapsed Time Upper Compl. Lower Compl. Temp. Lapsed Time Upper Compl. Lower Compl. Temp. Temp				1 7da	?days			G. 1'1' 10 (67)				
Flow Test No. 1				, ,				Stabilized? (Yes or No)				
Commenced at (hour, date)* 0945 5/3/10 Zone producing (Upper or Lower): Leaser	,											
Time (Hour, Date) Lapsed Time Since* Upper Compl. Lower Compl. Prod. Zone Temp. 1	Commenced	at (hour, date)*	945 5/2/			g (Up	per or Lower):	Laner				
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Solution Si Press Psig Stabilized? (Yes or No) Si Press Psig	,		T 41				100	WAS, DIV. DIST. 3				
roduction rate during test BOPD based on	,		T 47				S. E.	51-1505600				
roduction rate during test Dil:BOPD based onBbls. InHrsGravGOR Bas:MCFPD; Test thru (Orifice or Meter): Mid-Test Shut-In Pressure Data Upper	5945 5/8	120 hrs	C 325	110								
BOPD based on Bbls. In Hrs. Grav. GOR Bols. In Hrs. Grav. GOR	SAN 5/7	144 hrs.	C 326	/ంక్ర								
MCFPD; Test thru (Orifice or Meter): Mid-Test Shut-In Pressure Data												
Mid-Test Shut-In Pressure Data Upper)il:	BOPD based o	nBb	ls. In	Hrs		Grav.	GOR				
Upper Completion Lower Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No) Lower Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No) Completion	las:	MCFP	D; Test thru (Orit	fice or Meter):	Orifice	·····						
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Lower Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No)	Upper Hour, Date, Shut-In						Stabilized? (Yes or No)					
	Lower	Hour, Date, Shut-In		Length of Time Shut-In		SI Press. Psig		Stabilized? (Yes or No)				
	ompletion			(Continue on	reverse side)	<u> </u>						

Flow Test No. 2

Commenced a	at (hour, date)**		Zo	ne producing (U	pper or Lower):			
Time	Time Lapsed Time		Pressure		Remarks			
(Hour, Date)	Since**	Upper Compl.	Lower Compl.	Temp.				
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		<u> </u>						
Production rate	during test							
Oil:	BOPD based	l on	Bbls. In	Hrs	Grav	GOR		
Gas:	MCFP	D; Test thru (Ori	fice or Meter):			GOR		
Remarks: 5 H	اعظ بعج جدا	1 an 375/10	hor Stabilit	eation the	sed Lamer	(DK)		
Ach; eved	seperation	During test.	Test Go	000				
I hereby certify	that the informat	ion herein contair	ned is true and com	plete to the best	of my knowledge	€.		
A	III 2	3 2010	20	0	11 . 0.	1. 1.		
Approved JUL 2 3 2010 20 Operator Wilkams Production								
			By Jason Smith					
Cel	G. Cols			US DE USE				
Зу	, G. 200			Title Tech	<u> </u>			
D	eputy Oil & G	as Inspector				11 0 11		
Title	Distric	et #3		E-mail Address Jason swith @ williams com				
				Date +/	2/10			

Northwest New Mexico Packer Leakage Test Instructions

A packer leakage test shall be commenced on each multiply ompleted well within seven days after actual completion of the well, and nnually thereafter as prescribed by the order authorizing the multiple ompletion. Such tests shall also be commenced on all multiple ompletions within seven days following recompletion and/or chemical r fracture treatment, and whenever remedial work has been done on a ell during which the packer or the tubing have been disturbed. Tests tall also be taken at any time that communication is suspected or when quested by the Division.

At least 72 hours prior to the commencement of any packer leakage st, the operator shall notify the Division in writing of the exact time the st is to be commenced. Offset operators shall also be so notified.

The packer leakage test shall commence when both zones of the dual mpletion are shut-in for pressure stabilization. Both zones shall remain ut-in until the well-head pressure in each has stabilized, provided wever, that they need not remain shut-in more than seven days.

For Flow Test No. 1, one zone of the dual completion shall be blued at the normal rate of production while the other zone remains it-in. Such test shall be continued for seven days in case of a gas well 1 24 hours in the case of an oil well. Note: if, on an initial packer kage test, a gas well is being flowed to the atmosphere due to the lack a pipeline connection the flow period shall be three hours.

Following completion of Flow Test No. 1, the well shall again be it-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).