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

NEW MEXICO OIL CONSERVATION DIVISION

Page 1

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Revised June 10, 2003

in Southbust I've				•			Well
Operator Williams Production				Lease Nam	No. <u>1A</u>		
Location Of V	Well: Unit Letter	P Sec	Twp	32	Rge _	<u>11</u> API	# 30-04523539
	Name of Reservoir or Pool		Type of Prod. (Oil or Gas)		1	Method of Prod. Tow or Art. Lift	1
Upper Completion	Picture Cliff		Gas			Flow	Tbg.
Lower Completion	Mesa Verde		Gas			Flow	Tbg
		Pr	e-Flow Shut-In	Pressure Da	ata		
Upper Completion	Hour, Date, Shut-In 0800, 7-31-08		Length of Time Shut-In 72 hrs			Press. Psig 137	Stabilized? (Yes or No) yes
Lower Completion	Hour, Date, Shut-In 0800, 7-31-08		Length of Time Shut-In 72 hrs		SI	Press. Psig 123	Stabilized? (Yes or No) yes
			Flow Test	No. 1			
Commenced	at (hour, date)* 08	300, 8-1	Zo	one producii	ng (Up	pper or Lower):	upper
Time (Hour, Date)		Upper Compl.	ssure Lower Compl.	Prod. Z Tem		Remarks	
0800, 8-1	24	137	43				
0800, 8-2	48	139	38				
0800, 8-3	72	140	36				RCVD AUG 18'08
0800, 8-4	96	141	34				OIL CONS. DIV.
0800, 8-5	120	141	33				DIST. 3
0800, 8-6	144	142	32				
Production rate	e during test						
ril:BOPD based onBbls. In _		Hrs		_ Gra	v(GOR	
Gas: <u>240</u>	MCFPI	D; Test thru (Orifi	ce or Meter):	orific	<u>:e</u>		
		 	d-Test Shut-In F		,		
Completion	Hour, Date, Shut- 0900, 8	-6-08	Length of Time 24		ress. Psig 143	Stabilized? (Yes or No) yes	
Lower Completion	Hour, Date, Shut- 0900, 8		Length of Time 24	SI Press. Psig		Stabilized? (Yes or No) ves	

(Continue on reverse side)

Flow Test No. 2

Commenced at (hour, date)**0800, 8-7					Zone producing (Upper or Lower):			
Time	Lapsed Time	Pressure		Prod. Zone		Remarks		
(Hour, Date)	Since**	Upper Compl.	Lower Compl		Temp.			
	24	143	103					
0800, 8-7								
	48	78	117					
0800, 8-8								
	72	112	127	-				
0800, 8-9								
	96	108	134					
0800, 8-10								
	120	69	141					
0800, 8-11								
	144	66	146					
0800, 8-12								

Production rate dur	ing test					
Oil:	BOPD based on	Bbls. In	Hrs	Grav	GOR	
Gas: <u>144</u>	MCFPD; Test thru	(Orifice or Meter):	orifice			
Remarks:						
I hereby certify that	the information herein c	ontained is true and co	omplete to the best	t of my knowledge	·.	
Approved	AUG 2 1 201	j r 20	Operator _V	Villiams exploration	on And Production	
New Mexico Oil Co	onservation Division				7/11/	
			By <u>Jesse</u>	Whitaker	1/100	
By Charles	\mathscr{H}		Title Techi	nicion II	,	
By / Waster	yeur		_ Title _Techi	ilician n		
Title SUPER	VISOR DISTRICT # 3		E-mail Add	ress iesse whitake	er@williams.com	

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.

Title

- 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.

E-mail Address jesse.whitaker@williams.com

Date 8-12-2008

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).