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

Completion

Oil Conservation Division

Northwest New Mexico Packer-Leakage Test

Page 1 Revised June 10, 2003

Operator <u>COP</u>					_ Lea	se Name	SAN	JUAN 32	-8 UN	IT		Well No4	
ocation of Wel	I: Unit	t LetterH		Sec _	14	Twp _	032N	Rg	е	008W AP		I# <u>30-045-25127</u>	
	Name of Reservoir or Pool		ol	Type of Prod				Method of Prod			Prod Medium		
Upper Completion	PC			-	Gas			Flow			Tubing		
Lower Completion	MV				Gas				Flow			Tubing	
				Pre	e-Flow	Shut-In	Pressu	re Data		1			
Upper	Hour, Date, Shut-In				Length of Time Shut-In				SI Press. PSIG			Stabilized?(Yes or No)	
Completion	4/26/2013				120 hours				431		431	Yes	
Lower	Hour, Date, Shut-In				Length of Time Shut-In				SI Press. PSIG			Stabilized?(Yes or No)	
Completion	4/26/2013				250 hours				349			Yes	
Commenced a	t:		5/1/2013				one Pro		·	or Lowe	r): UP	PER	
Time		Lapsed Time		PRESSURE			Prod Zone						
(date/time)	Since*		Upp	Upper zone L		er zone	Temperature		Remarks		Remarks	
5/2/2013 1:59:38 PM			37		337 35		350			OIL CONS. DIV DIST. 3		DIV DIST. 3	
5/3/2013 1:03:21 PM			61		230		351						
5/6/2013 10:35:36 AM 130		130	201		3	354			MAY 1 4 2013				
Production rate	during t	test											
Oil:	BPOD	Based or	າ:	Bbl	ls. In _		Hrs.		(Grav		GOR	
Gas		MCF	PD; Test t	hru (Ori	fice or	Meter) _							
				Mie	d-Test	Shut-In	Pressu	re Data					
Upper Completion	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 Pres	ess. PSIG Stabilized?(Yes or No)			

(Continue on reverse side)

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Flow Test No. 2

Commenced at:		Zone Producing (Upper or Lower)									
Time	Lapsed Time	PRES	SURE	Prod Zone							
(date/time)	Since*	Upper zone	Lower zone	Temperature	Remarks						
Production rate du	ring test										
Dil:BI	BPOD Based on:		Hrs.	Grav.	GOR						
Gas	MCFPD; Test t	hru (Orifice or N	leter)								
Remarks:											
2 11 3	H. Williams, III.		148444444444								
	eng by Yan										
hereby certify tha	t the information herein o	contained is true	and complete	to the best of my kn	owledge.						
Approved:	9/	20 /3	Opera	tor: COP							
	I Conservation Division		Ву:	By: Dennis Coon							
By: Danne	uty of & Gas Inspe	ector.	Title:	Title: Multi-Skilled Operator							
Title:	District #3	,	Date:	pate: Monday, May 13, 2013							

NORTHWEST NEWMEXICO PACKER LEAKAGE TEST INSTRUCTIONS

I. 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.

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

- 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 hours tests: immediately prior to the beginning of each flow period, at lifteen-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 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 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).