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

Oil Conservation Division

Northwest New Mexico Packer-Leakage Test

Page 1 Revised June 10, 2003

Operator BR					Lease Name SAN JUAN 27-5 UNIT					IT	Well No. 52	
Location of We	ell: Unit	Letter	M 5	Sec	04	Twp _	027N	R	ge	005W AP	I # <u>30-039-07155</u>	
	Name of Reservoir or Pool				Type of Prod			Method of Prod		Prod Medium		
Upper Completion	PC				Gas			Flow		Tubing		
Lower Completion	MV				Gas				Flow		Tubing	
Pre-Flow Shut-In Pressure Data												
Upper Completion	Hour, Date, Shut-In 6/25/2009				Length of Time Shut-In 152 hours				SI Press. PSIG		Stabilized?(Yes or No) Yes	
Lower Completion	Hour, Date, Shut-In				Length of Time Shut-In			SI Press. PSIG		Stabilized?(Yes or No)		
Completion	6/25/2009				152				237	Yes		
Flow Test No. 1												
Commenced	at: 6/2	9/2009 8:	11:00 AM			Z	one Pro	oducing	(Upper	or Lower): Up	peer	
Time		Lapsed Time					Prod					
(date/tim	(date/time)		Since* Upp		er zone	one Lower zone Tem		Tempe	erature	Remarks		
6/29/2009 8:11.00 AM			0		229 237		37	75		Zones stabilized. Started producing upper zone.		
6/30/2009 8:22:00 AM 2			24		139	2	41	75		Checked zone pressures.		
7/1/2009 8:11·00 AM 48			137		2	41	85		Checked zone pressures Upper zone more than 20% below lower. Test complete.			
Production rate	e during	test					ı					
Oil:	BPOD Based on:Bbls			s. InHrs				Grav.		GOR		
Gas MCFPD; Test thru (Orifice or Meter)												
Mid-Test Shut-In Pressure Data												
Upper Completion	Hour, Date, Shut-In			Length of Time Shut-In				SI Press. PSIG		Stabilized?(Yes or No)		
Lower Completion	Hour, Date, Shut-In			Length of Time Shut-In			SI Press. PSIG		Stabilized?(Yes or No)			

(Continue on reverse side)



Flow Test No. 2

Commenced at:			. Zone Pro	Zone Producing (Upper or Lower)						
Time	Lapsed Time	PRES	SURE	Prod Zone		Remarks				
(date/time)	Since*	Upper zone	Lower zone	Temperature	∍ F					
And the state of t										
Production rate during	test ,									
Oil: BPOE	BPOD Based on:Bbls. In				Grav.	GOR				
GasMCFPD; Test thru (Orifice or Meter)										
Remarks:										
The control of the state of the						TO BE MINERAL TO SEE THE COLUMN TO SEE AS A SECOND TO SECOND				
, 1										
I hereby certify that the information herein contained is true and complete to the best of my knowledge.										
Approved:	2 0 2000	20	Operat	or: BR						
	nseryation Division									
New Mexico Oil Co	Division Division		Бу:	By: Gary Paymar						
By:			Title:	Title:Multi-Skilled Operator						
Tu Donuty (Oil & Gas Inspec	tor.								
Title: Deputy	District #3	,	_ Date: _	Date: Wednesday, July 01, 2009						

NORTHWEST NEWMEXICO 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 duith 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 in 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-intended ordance 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 hours tests: immediately prior to the beginning of each flow period, at fifteen-inmute 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 ouestionable test data.
- 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).