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 Hilcor	mpany	Lease	e Name ROSS	Well No. 1M				
Location of Well	l: Unit Lette	r <u>P</u> Se	ec <u>23</u>	Twp030N	Rge _	011W API	# 30-045-29744	
	Name o	of Reservoir or Pool		Type of Prod		Method of Prod	Prod Medium	
Upper Completion	MV	MM 0 4 50	ß Gas		Flov	v	Tubing	
Lower Completion	MV 111 0 4 2018 DK 0 157 R 1 C 7 1 1		Gas		Flov	V	Tubing	
		0/21	Pre-Flow S	Shut-In Pressu	re Data			
Upper	Hour, Date, Sh	nut-In		of Time Shut-In		ess. PSIG	Stabilized?(Yes or No)	
Upper Completion Lower Completion Upper Completion Lower Completion Completion Commenced a Time (date/time 5/30/2018 11:1	5/25/2018		155	155 hours		208	Yes	
Lower	Hour, Date, Sh			of Time Shut-In	SI Pr	ess. PSIG	Stabilized?(Yes or No)	
Completion	5/25/20	18	120	hours		413	Yes	
Commenced a		5/30/2018				er or Lower): LC	OWER	
Time (date/time		apsed Time Since*	PRESSURE Upper zone Lower zone		Prod Zone Temperatur	i	Remarks	
5/30/2018 11:10	5/30/2018 11:10 AM		208	413	86	CSG PSI 207 Flo	CSG PSI 207 Flow 343 mcf	
5/31/2018 11:0	31/2018 11:01 AM 35		212	51	86	CSG PSI 212		
Production rate	during test							
Oil:	BPOD Based on:		Bbls. In	Bbls. InHrs.		Grav.	GOR	
Gas		MCFPD; Test th	ru (Orifice or M	leter)			-	
			Mid-Toet 9	Shut-In Proses	ıra Data			
	Hour, Date, Shut-In			id-Test Shut-In Pressure Date Length of Time Shut-In		ess. PSIG	Stabilized?(Yes or No)	
Lower Completion	Hour, Date, Sh	iut-In	Length	of Time Shut-In	SI Pr	ess. PSIG	Stabilized?(Yes or No)	

(Continue on reverse side)

Northwest New Mexico Packer-Leakage Test

Flow Test No. 2

Commenced at:	Zone Producing (Upper or Lower)							
Time	Lapsed Time Since*	PRESSURE		Prod Zone				
(date/time)		Upper zone	Lower zone	Temperature	<u> </u>	Remarks		
								
-								
					-		_	
						• •		
Production rate during		Dhla la	Uro		Crov	GOR		
Oil:BPOI							—	
Gas	MCFPD; Test the	hru (Orifice or M	eter)					
Remarks:								
Tromatiko.								
I hereby certify that th	e information herein o	contained is true	and complete	to the best of	f my knowled	lge.		
-	_	,			•			
Approved: 11-JUNE - 20 18			_	Operator: HEC				
New Mexico Oil Conservation Division			By: _	By: Paul Sikora II				
By: /////	. All m			Title: Multi-Skilled Operator				
Title: Deput	Deputy Oil & Gas Inspector,			Date: Monday, June 4, 2018				

NORTHWEST NEWMEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 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.
- 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.

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