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 Hilcorp Energy Company			Lea	ase Name	NORDH	AUS			Well No.	5A
Location of Well: Unit Letter	F	Sec	12	Twp	031N	Rge	009W	API #	30-045-2436	69

	Name of Reservoir or Pool	Type of Prod	Method of Prod	Prod Medium	
Upper Completion	MV	Gas	Flow	Tubing	
Lower Completion	DK	Gas	Flow	Tubing	

## Pre-Flow Shut-In Pressure Data

Upper Hour, Date, Shut-In		Length of Time Shut-In	SI Press. PSIG	Stabilized?(Yes or No)	
Completion	8/20/2018	86 hours	64	Yes	
Lower	Hour, Date, Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized?(Yes or No)	
Completion	8/20/2018	72 hours	227	Yes	

		Flo	w Test No. 1			
Commenced at: 8/23/2018 Zone Producing (Upper or Lower): LOWER						
Time	Lapsed Time	PRESSURE		Prod Zone		
(date/time)	Since*	Upper zone	Lower zone	Temperature	Remarks	
8/23/2018 2:03 PM	14	64	41	98	DK Dropped to 41 psi in 5 sec. Static is 66 psi.	

Production rate during test

Oil: BPOD Based on:	Bbls. In	Hrs.	Grav.	GOR
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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)



## Northwest New Mexico Packer-Leakage Test

		Flo	ow Test No. 2			
Commenced at:			Zone Pro	oducing (Uppe	r or Lower)	
Time	Lapsed Time	PRESSURE		Prod Zone		
(date/time)	Since*	Upper zone	Lower zone	Temperature	Remarks	
Production rate dur	ring test					
Oil: BP	OD Based on:	Bbls. In	Hrs.		GravGOR	
Gas	MCFPD; Test th	nru (Orifice or M	eter)			
-						
Remarks: Packer Test was w	itnessed by Monica Keul					
Tacker rest was w	Thessed by Monica Red	ming wood.				
I hereby certify that	the information herein c	ontained is true	and complete	to the best of	my knowledge.	
2	a dua	. 11			, 5	
Approved:	[ mug	20 18	Opera			
1 . 1	Conservation Division		By:	David Aguirre	e	
By: Deputy Oil & Gas Inspector, Title: District #3		Title:	Title: Multi-Skilled Operator			
Title: Depi	uty Oil & Gas Inspe	ector,	Date:	Monday Auc	gust 27, 2018	
	DISTRICT #0		Dato.	monday, rag	,40(21, 2010	
	NORT	HWEST NEWMEXICO	PACKER LEAKAGE	E TEST INSTRUCTIO	NS	
	commenced on each multiply completed wel				ed even though no leak was indicated during Flow Test No. 1. Procedure	
Such tests shall also be commenced	y thereafter as prescribed by the order author d on all multiple completions within seven day whenever remedial work has been done on a	s following recompletion an	d/or remain shut-		is for Flow Test No. 1 except that the previously produced zone shall as previously shut-in is produced.	
	ests shall also be taken at any time that commi					

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. The commencement of any packer leakage test, the operator shall notify the for the conclusion of each flow to the conclusion of each flow.

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.

requested by the Division.

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 above.

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).