ins 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			Leas	e Name LUDV		Well No. 13	
ocation of We	II: Unit Letter	G S	Sec 05	Twp 029N	Rge	010W API	# 30-045-08781
	Name of R	eservoir or Po	ol	Type of Prod		Method of Prod	Prod Medium
Upper Completion	PC		Gas	Gas			Tubing
Lower Completion	MV		Gas	Gas			Tubing
			Pre-Flow S	Shut-In Pressı	ıre Data		
Upper Completion	Hour, Date, Shut-In 6/6/2019			Length of Time Shut-In		s. PSIG 261	Stabilized?(Yes or No) Yes
Lower Completion	Hour, Date, Shut-I 6/6/2019	n	159	159		s. PSIG 210	Stabilized?(Yes or No) Yes
Commenced a	.+.	6/10/2019	Flo	ow Test No. 1	oducing (Upper	or Lower): UF	ODED
Time		sed Time	DDE	SSURE	Prod Zone	or Lower). Or	FLK
(date/time		Since*	Upper zone		Temperature	Remarks	
6/11/2019 1:44 PM		37	80 210			reached 20% crossover	
6/12/2019 3:55 PM		63	78	210			
roduction rate	during test						
BPOD Based on:		Bbls. In	Bbls. In Hrs.		Grav.	GOR	
as	MC	FPD; Test t	hru (Orifice or N	Meter)			
			Mid-Test S	Shut-In Pressu	ıre Data		
Upper Completion	Hour, Date, Shut-In Hour, Date, Shut-In			Length of Time Shut-In		s. PSIG	Stabilized?(Yes or No)
Lower Completion						s. PSIG	Stabilized?(Yes or No)

(Continue on reverse side)



Flow Test No. 2

Commenced at:		Zone Producing (Upper or Lower)					
Time	Lapsed Time	PRESSURE		Prod Zone			
(date/time)	Since*	Upper zone	Lower zone	Temperature	Remarks		
Production rate during	ng test						
Oil: BPC	DD Based on:	Bbls. In	Hrs.	Grav.	GOR		
Gas	MCFPD; Test th	hru (Orifice or M	leter)				
Domarka							
Remarks:							
I hereby certify that t	the information herein of	contained is true	and complete	to the best of my kno	owledge.		
A	1	. 1					
Approved:	Mine	20	Operat		Company		
New Mexico Oil Conservation Division			By:	By: Nate Nichols			
By: Sell WWW			Title:	Title: Multi-Skilled Operator			
Title: Deputy Oil & Gas Inspector, District #3				Date: Monday, June 17, 2019			
	DISTITUT "		D 010.				

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 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 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).