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

KP

Oil Conservation Division

OCD Received 5/22/2020

Northwest New Mexico Packer-Leakage Test

Page 1 Revised June 10, 2003

Operator Hilcorp Energy Company				Lease Name QUIETMAN FEDERAL 28						Well No.	5	
Vell: Unit	t Letter _	E S	ec	28	Twp)31N	Rg	ge <u> </u>	013W	API	# 30-045-32768	3
Name of Reservoir or Pool				Type of Prod				Method of Prod		Prod Medium		
FRO	FRC				Gas			Flow		Casing		
DK	DK			Gas			Artificial Lift			Tubing		
Pre-Flow Shut-In Pressure Data												
5/	Hour, Date, Shut-In 5/19/2020 Hour, Date, Shut-In			Length of Time Shut-In						299	Yes	
oletion								188		188	Yes	
Commenced at: 5/22/2020 Zone Producing (Upper or Lower): UPPER Time Lapsed Time PRESSURE Prod Zone												
me)	Since*		Upp	er zone	Lower z	one	Temperature			Remarks		
:57 PM		13	:	299	188							
5/22/2020 2:17 PM 14			146 188				flowed upper zone to achieve 20% cross over in 17 minutes					
ate during	j test											
Oil: BPOD Based on: Bbls			ls. InHrs				Grav.		GOR			
	MCI	FPD; Test th	ru (Ori	fice or M	Meter)							
			Mic	d-Test S	Shut-In Pr	essu	re Data	1				
Upper Hour, Date, Shut-In Completion				Length of Time Shut-In			. 5 5 4 1 4	SI Press. PSIG			Stabilized?(Yes or No	p)
Lower Hour, Date, Shut-In Completion								SI Press. PSIG		Stabilized?(Yes or No	p)	
	Hour, E ST PM 2:17 PM BPOE	Vell: Unit Letter Name of Re FRC DK Hour, Date, Shut-In 5/19/2020 Hour, Date, Shut-In 5/19/2020 d at: E Laps me) S:57 PM 2:17 PM Ate during test BPOD Based of MCI	Vell: Unit Letter E S Name of Reservoir or Pool FRC DK Hour, Date, Shut-In 5/19/2020 Hour, Date, Shut-In 5/19/2020 d at: 5/22/2020 Lapsed Time Since* :57 PM	Vell: Unit Letter	Vell: Unit Letter	Name of Reservoir or Pool	Vell: Unit Letter	Name of Reservoir or Pool	Vell: Unit Letter E Sec 28 Twp 031N Rge 031N 031N	Vell: Unit Letter	Name of Reservoir or Pool	Vell: Unit Letter

(Continue on reverse side)

Northwest New Mexico Packer-Leakage Test

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	R	emarks			
Production rate during	ng test								
Oil:BPC	DD Based on:	Bbls. In	Hrs.	(Grav.	GOR			
GasMCFPD; Test thru (Orifice or Meter)									
Remarks:									
I hereby certify that the information herein contained is true and complete to the best of my knowledge.									
Approved: Sept 3	3	20 20	Operat	or: Hilcorp E	Energy Company				
-	Conservation Division		_	Victor Ruelas					
	luic Ashi		· _	•					
By:	INC PROTO		Title: _	Title: Multi-Skilled Operator					
Title: District III Geologist Date: Friday, May 22, 2020									

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.
- 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 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).