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

Oil Conservation Division

OCD Received 6/23/2020

Northwest New Mexico Packer-Leakage Test

Page 1 Revised June 10, 2003

Operator Hilco	rp Energy Co	Lease Name SAN JUAN 28-7 UNIT					Well No. 52						
Location of We	II: Unit Lette	r H Se	ес	27	Twp028N	R	ge	007W API	# 30-039-07315				
	Name of Reservoir or Pool			Type of Prod			Method of Prod		Prod Medium				
Upper Completion	PC		Gas			Flow		Casing					
Lower Completion	MV			Gas			Artificial Lift		Tubing				
Pre-Flow Shut-In Pressure Data													
Upper Completion	Hour, Date, Sh	0	Length of Time Shut-In			SI Press. PSIG 94		Stabilized?(Yes or No) Yes					
Lower Completion	Hour, Date, Shut-In 6/5/2020						SI Press. PSIG		Stabilized?(Yes or No) Yes				
Flow Test No. 1													
Commenced a	nt: 6/8/2020)			Zone Pro	ducing	(Upper	or Lower): UP	PER				
		apsed Time Since*	Uppe	PRES er zone			Zone erature						
6/8/2020 8:00 AM 8		8	60		89			started test, Pc higher psi zone.					
6/9/2020 8:10 AM 32		32		60	89		20% crossover w		as made.				
6/10/2020 8:00 AM 56			60	0 89		finished test.							
Production rate	during test												
Oil:BPOD Based on:Bbls			s. InHrs		Grav.		GOR						
GasMCFPD; Test thru (Orifice or Meter)													
			Mic	d-Test S	hut-In Pressu	re Data	ı						
Upper Completion	Hour, Date, Shut-In				Length of Time Shut-In		SI Press. PSIG		Stabilized?(Yes or No)				
Lower Completion	Hour, Date, Shut-In						SI Press. PSIG		Stabilized?(Yes or No)				
				/O		-:							

(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	Re	emarks					
Production rate during test											
Oil: BPOD	Based on:	BDIS. IN	Hrs.		Grav.	GOR					
Gas MCFPD; 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: Septembe	r 9	20 20	Onerat	or: Hilcorp F	Energy Company						
New Mexico Oil Conservation Division			By:	Mark Goodw							
1/1/	0//		ъy. _	IVIAIN GOODW	111						
By: Johnie	1-1241111		Title:	Title: Multi-Skilled Operator							
Title: District III Geold	ogist		Date:	Date: Tuesday, June 23, 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.
- 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 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.

- 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