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

Oil Conservation Division

OCD received 7/22/2020

Northwest New Mexico Packer-Leakage Test

Page 1 Revised June 10, 2003

Operator Hilco		Lease Name NORDHAUS					Well No. 6A	
Location of We	II: Unit Letter D	Sec	01 T	wp	031N R	ge 009W	API	# 30-045-24368
	Name of Reservoir or F	Pool		Type of Proc	d	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		SI Press. PSIG	Stabilized?(Yes or No)				
	Completion	7/16/2020	Length of Time Shut-In	81	Yes			
	Lower	Hour, Date, Shut-In	134	SI Press. PSIG	Stabilized?(Yes or No)			
Completion	7/16/2020		148	Yes				

Flow Test No. 1

Commenced at: 7/2	Zone Producing (Upper or Lower): LOWER					
Time	Lapsed Time	PRESSURE		Prod Zone		
(date/time)	Since*	Upper zone	Lower zone	Temperature	Remarks	
7/20/2020 2:03 PM	14	81	148		Opened higher PSI zone to production @	
					1400 on 7-20-20, sufficient cross over acheieved @1420 on 7-20-20	
7/21/2020 2:24 PM	38	81	55		20% cross over achieved for 24 hours, Test completed @ 1420 on 7-21-20	

Production rate during test

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

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		SI Press. PSIG	Stabilized?(Yes or No)

(Continue on reverse side)

		Flo	w 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	test						
Oil:BPOD	Based on:	Bbls. In	Hrs.	(GravGOR		
Remarks:							
I hereby certify that the	e information herein c	ontained is true	and complete	to the best of	my knowledge.		
Approved: Septembe	r 9	₂₀ 20	Operat	or: Hilcorp E	Energy Company		
New Mexico Oil Co	nservation Division		By:	Jesse McDov	well		
By: Kal	mic Ash		Title:	Title: Multi-Skilled Operator			
Title: District III Geolo	gist		Date:	Date: Wednesday, July 22, 2020			
	NORT	HWEST NEWMEXICO	PACKER LEAKAGE	TEST INSTRUCTION	NS		
 A packer leakage test shall be comm completion of the well, and annually there Such tests shall also be commenced on all chemical or fracture treatment, and when the tubine have been disturbed. Tests she 	eafter as prescribed by the order authori I multiple completions within seven days ever remedial work has been done on a	zing the multiple completion. s following recompletion and well during which the packer	for Flow Tes d/or remain shut- or	st No. 2 is to be the same a	ed even though no leak was indicated during Flow Test No. 1. Procee as for Flow Test No. 1 except that the previously produced zone shall as previously shut-in is produced.	lure	
 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. 			 Pressur intervals as f intervals dur immediately flow period, 	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			
 The packer leakage test shall commis stabilization. Both zones shall remain shu however, that they need not remain shut-i 			24-hou with recordin once at the e completion,	which have previously shown questionable test data. 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured an with recording pressure gauges the accuracy of which must be checked at least twice, once at the begin 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 re above being taken on the gas zone.			
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.			for 8. The res test. Tests s Northwest N	hall be filed with the Aztec few Mexico Packer Leakag	d tests shall be filed in triplicate within 15 days after completion of the c District Office of the New Mexico Oil Conservation Division on ge Test Form Revised 10-01-78 with all deadweight pressures indicate tures (gas zones only) and gravity and GOR (oil zones only).		