OCD Received 4/16/2020

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

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Operator Hilcorp Energy Company

Oil Conservation Division

Northwest New Mexico Packer-Leakage Test

Lease Name SAN JUAN 28-7 UNIT

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Well No.

ocation of We	ell: Unit	Letter N Se	ec 02	Twp 027N	Rge	007W API	# 30-039-07162
		Name of Reservoir or Pool		Type of Prod		Method of Prod	Prod Medium
Upper Completion	PC		Gas	Gas		1	Casing
Lower Completion	MV		Gas	Gas		icial Lift	Tubing
			Pre-Flow S	Shut-In Pressu	ıre Data		
Upper	Hour, D	ate, Shut-In				ess. PSIG	Stabilized?(Yes or No)
Completion		9/2020	Length of	Length of Time Shut-In 152		120	Yes
Lower		ate, Shut-In	152			ess. PSIG	Stabilized?(Yes or No)
Completion		9/2020				108	Yes
			Flo	w Test No. 1			
Commenced	at:	4/12/2020		Zone Pro	oducing (Upp	er or Lower): UF	PPER
Time (date/time)		Lapsed Time Since*	PRESSURE		Prod Zone		
			Upper zone	Lower zone	Temperatur	е	Remarks
4/13/2020 12:00 AM		24	61	109	50	20% bresk	
4/14/2020 9:18 AM		57	61	109	50	20% break	
4/15/2020 8:18 AM		80	61	109	50	20% break	
roduction rate	e during	test					
oil:	BPOD Based on:Bb		Bbls. In	s. InHrs		Grav.	GOR
as		MCFPD; Test th	ru (Orifice or M	leter)			
			Mid-Test S	hut-In Pressu	ıre Data		
Upper Completion	Hour, Date, Shut-In		Length o	Length of Time Shut-In		ess. PSIG	Stabilized?(Yes or No)
Lower Hour, D		ate, Shut-In				ess. PSIG	Stabilized?(Yes or No)
			(Continu	ue on reverse :	side)]

Northwest New Mexico Packer-Leakage Test

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	Re	emarks					
Production rate during		Phle In	∐ro	,	Grav.	GOR					
Oil:BPOD					Jiav.						
Gas	MCFPD; Test thr	u (Orifice or M	eter)								
Remarks:											
I hereby certify that the information herein contained is true and complete to the best of my knowledge.											
Approved: Sept 3		20 20	Operat	or: Hilcorp E	Energy Company						
New Mexico Oil Conservation Division			Ву:	y: Dirk Scanlan							
By: Kelline &	Title:	Multi-Skilled Operator									
Title: District III Geologist			Date: _	e: Thursday, April 16, 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).

Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3