be used for reporting packer leakage tests

in Southeast New Mexico

Lower

Completion 2718402

352

Hour, date shut-in

OIL CONSERVATION DIVISION

API#

Stabilized? (Yes or No)

30-045-06720

Revised 10/01/78

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Well BURLINGTON RESOURCES OIL & GAS CO. **HANKS** No. 13 Operator Lease Location County SAN JUAN 027N Rge. 010W of Well: Unit Α Sect 12 Twp. METHOD OF PROD. PROD. MEDIUM NAME OF RESERVOIR OR POOL TYPE OF PROD. (Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.) Upper Flow Tubing PICTURED CLIFFS Gas Completion Lower Artificial Gas Tubing DAKOTA Completion PRE-FLOW SHUT-IN PRESSURE DATA Stabilized? (Yes or No) Length of time shut-in SI press. psig Upper Hour, date shut-in Completion 72 Hours 05/14/2000 134 Lower Completion 24 Hours 348 05/14/2000 FLOW TEST NO. 1 Zone producing (Upper or Lower) **LOWER** Commenced at (hour,date)* 05/15/2000 PROD. ZONE LAPSED TIME PRESSURE TIME ТЕМР REMARKS (hour.date) SINCE* Upper Completion Lower Completion 136 82 5/16/200 48 Hours 96 5/17/200 72 Hours 138 Production rate during test Oil: BOPD based on Bbls. in Hours. Grav. GOR MCFPD; Tested thru (Orifice or Meter): Gas: MID-TEST SHUT-IN PRESSURE DATA Stabilized? (Yes or No) Length of time shut-in SI press. psig Upper Hour, date shut-in Completion

SI press, psig

(Continue on reverse side)

Length of time shut-in

FLOW TEST NO. 2

Commenced at (hour, date)**				Zone producing (Upper or Lower):		
TIME (hour, date)	LAPSED TIME SINCE "	PRESSURE		PROD. ZONE TEMP.	REMARKS	
		Upper Completion	Lower Completion	on IEWF.	NEWATING .	
	 					
	<u>]</u>					
Production rate du	ring test					
Oil:	BC	OPD based on	Bbls. in	1 Hours	Grav. GOR	
Gas:		MCFPI	D: Tested thru (C	Orifice or Meter):		
	-					
	-					
				o the best of my knowled	das	
			-	o the best of my knowled	age.	
	JUN 1			Operator Burling	ton Resources	
New Mexico O	il Conservation Divi	sion		By Colors	Praco	
ORIGI	NAL SIGNED BY CH	APLET. PERRI		S. NAME		
By				Title Operations	Associate	
Fittle DEPUTY OIL & GAS INSPECTOR, DIST. #3				Date Tuesday, June 13, 2000		

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 tracture treatment, and whenever remedial work has been done on a well-during which the packer or the tubing have been disturbed. Fests 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 above.
- 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. 2 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.
- as desired, or may be requested on wens which have previously shown special 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 Oii Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 19-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).