A-13-28-9
Location of Well: A232809 Page 1

A1 R32

OIL CONSERVATION DIVISION NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:WARREN A LS 002

	tor: AMOCO ter #:71939		N COMP RTU:			ARREN A LS County:SAN		is a second of the second of t	
	NAME RESERVOIR OR POOL				TYPE PROD	METHOD PR	ROD M	EDIUM PROD	
UPR COMP	WARREN A L	71939		GAS	FLOW		TBG		
LWR COMP	WARREN A LS 002 BMV 71940			414	GAS	FLOW		TBG	
		PRI	E-FLOW	SHUT-IN P	RESSURE DA	ATA			
	Hour/Date	our/Date Shut-In		Length of Time Shut-In		SI Press. PSIG		Stabilzed	
UPR COMP	76-10/96 76-196		72			176 yes		yes	
LWR COMP	06/10/96 7/26/96		72				320 yes		
				FLOW TEST	DATE NO.1			0	
Commenced at (hour,date)*						Zone Producing (Upr/Lwr)			
TIME LAPSED (hour, date) SINCE					Prod Temp.				
0	0 6/10/96 Day		1 /63 308		308		Both Zones SI		
-0	06/11/96 7/27/96		2	160	327		Bot	Both Zones SI	
06/12/96 7/19/96		Day	3	159	334		Bot	h Zones SI	
6	7/29/96	Day	4	176	320		llow.	ed lower 30	
•	7/30/96	Day	5	176	321			"	
e	8/1/96	Day	6	175	321			*	
	uction rate	BOPD	based MFCPI		neu (Orific	Hrs ce or Mete: DATA			
UPR COMP	Hour, Date SI Len		ngth of Time SI SI Pres			REGEN	tabiliz	ed (yes/no)	
LWR COMP	AUG - 8 1996 12								

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

FLOW TEST NO. 2 Commenced at flour, date) * * Zone producing (Upper or Lower) PRESSURE LAPSED TIME PROD. ZOKE from, de tal SINCE . REMARKS Lower Completion TEMP. Production rate during test BOPD based on _____ Bbls. in ____ Hours. ___ Grav. ___ GOR __ Gas: _____ MCFPD: Tested thru (Orifice or Meter): Remarks: I hereby certify that the information herein contained is true and complete to the best of my knowledge. AUG 0 8 1996 19 Cperator _ New Mexico Oil Conservation Division Date

NORTHWEST NEW MEDICO PACKER LEAKAGE TEST INSTRUCTIONS

- A packer leakage sest shall be commenced on each multiply completed well within seven days after acroal completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such term shall also be commenced on all ultiple completions within seven days following recompletion and/or chemical or fracre treatment, and whenever remedial work has been done on a well during which the packet or the tubing have been distructed. Term shall also be taken at any time that communication is suspected or when requerted 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.
- 3. The packer leakage test shall commence when both zones of the dual completion are shur-in for previous subdirection. 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 Ten No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shart-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. Nove: if, on an initial packer leakage tent, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 3. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- Flow Tex 'No. 2 shall be conducted even though no leak was indicated during Flow Text No. 1. Procedure for Flow Text No. 2 is to be the same as for Flow Text No. 1 except

- that the previously produced some shall remain abust-in while the some which was previously abust-in is produced.
- 7. Pressures for gus-some tests must be measured on each some with a dealweight pressure gauge at time intervals as follows: 3 hours testes: immediately prior to the beginning of each flow-period, at lifteen-minute intervals during the line hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day teste: 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 pressure may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil sone 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 shove-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aster Dwart 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 sones only).