STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is not to be used for reporting packer leakage tests

in Souther	ast New Mexico	NORTHWEST N	IEW MEXICO I	PACKER-LEAK	AGE TEST					
Operator	lugan Prod	luction Corp	Lease _	Sherma	an	Well -	2			
Location of Well: Unit			Rge			inty Rio A	trriba			
NAME OF RESERVOIR OR POOL			ii ii	TYPE OF PROD. (Oll or Gas)		D. 1	PROD. MEDIUM (Tog. or Ceg.)			
Completion Pictured Cliff			Gas		Flow		Tba.			
Completion Me	sa Virde		Ge 5		Flow		Tbq.			
		PRE-FLO	OW SHUT-IN P	RESSURE DAT	Α					
Upper Hour, date shut-in Length of time shu Completion 10 30 a m 7-17-87 3 day			y S	640		Stabilized? (Yes or No)				
Lower Completion 10 30 am 7-17-27		: -	Length of time shuf-in		SI prees. psig		Stabilized? (Yes or No)			
			FLOW TEST	NO. 1						
Conmenced at thour, da	12:30 p	m. 7-20		Zone producing (Upper or Lower):	Lower				
TIME (hour, date)	LAPSED TIME SINCE*	PRESS Upper Completion	Lower Completion	PROD. ZONE TEMP.		REMARKS				
2:00 pm 7-21-27	Iday	640	335							
11:00 a m 7-22-87	2 days	640	32 8			- 13 ()	3			
					, ,	JUL2 4	.1987			
•						OIL CON, DIV.				
						DIST	.ું હ્યું			
Production rate de	uring test									
Oil:	BOPI	D based on	Bbls. in	Hou	rs (Grav	GOR			
Gas: 142 MCFPD; Tested thru (Orifice or Meter): Meter										
		MID-TE	ST SHUT-IN PI	RESSURE DATA	١					
Upper Hour, date shut-in Length of time a Completion			-in	SI press. paig		Stabilized? (Yes or No)				
Lower Completion		Length of time shut	Length of time shut-in		SI press. paig		Stabilized? (Yes or No)			

FLOW TEST NO. 2

commenced at (hour, de	te) * *			Zone producing (Upper or Lower):		
TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE		
		Upper Completion	Lower Completion	TEMP.	REMARKS	
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					Grav. GOR	
emarks:				·		
						
hereby certify the	at the informati	on herein containe	ed is true and o	omplete to the best of	my knowledge.	
pproved	JUI	- 24 1987	10	Jucon	Production Corp	
New Mexico Oil	Conservation I	Division	_ 17			
				By Selma	Farley	
·	-riginal Signed b	CHARLES GHOLSO	144	_	<i>7 1</i>	
				Tide <u>troduction</u>	- Report Supervisor	
de	Y OIL & GAS	INSPECTOR, DIST.		Date 7-23-6	·	
		CLOK USI	#3	Date	,	

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. 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.
- 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 the lack of a pipeline connection the flow period shall be three hours.
- 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. 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).