STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT Location of Well: J152911 Page 1

OIL CONSERVATION DIVISION NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #: COOPER GC 1E County: SAN JUAN RTU:1-188-01

	er #:94108	RODUCTION	RTU:	1-188-01	•	С	ount	cy:SAN	JUAN		
	NAME RESERVOIR OR POOL					TYPE PROD		METHOD PROD		MEDIUM PROD	
UPR COMP	R COOPER GC 1E/HARE G1 OCH 94104				GAS			FLOW		TBG	
LWR COMP	Cooper CC 1	E (DK) M	-	1-128-1		GAS		FLOW		TBG	
	1 Cooper -	PRE	-FLOW	SHUT-IN	PRES	SURE DA	YTA				
	Hour/Date Shut-In Length of T:					ne Shut-In Si		Press	. PSIG	Stabilzed	
UPR COMP	09/ /93							er oud design			
LWR COMP	09/ /93									_	
			l	FLOW TEST	TAG 7	E NO.1	I				
						······································		Zone	Produc	ing (Upr/Lwr)	
Comme	enced at (ho	ur,date)*						l			
(hc	TIME our, date)	LAPSED SINCE		PRESSUE Upper		SURE Lower		Prod Temp.		REMARKS	
C	09/26/93	Day	1	137 250	- - 4	294				Both Zones SI	
09/29/93 		Day 2		140 256		318				Both Zones SI	
		Day	3	156 30	-	480			Во	th Zones SI	
		Day	4	173/3	רכ	423	3		_		
1	10/01/43	Day 5		175/3					_		
10/0/793		Day		175/33					_		
oil:	uction rate	воър	MECE	on PD:Tested PEST SHUT-					Gi er):ME	cav GOR rer	
UPR COMF	Hour, Dat	e SI Le		of Time SI					Stabil	ized (yes/no)	
LWR COMP	i i										

(Continue on reverse side)

FLOW TEST NO. 2

Commenced at (hour, de	te) * *		Zone producing (Upper or Lower):					
TIME LAPSED TIME		PRES	SURE	PROD. ZONE				
(hour, date)	SINCE **	Upper Completion	Lawer Completion	TEMP.	REMARKS			
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Production rate d	luring test							
Oil:	ВОР	D based on	Bbls. in	Hours	Grav GOR			
					_			
G25:		MCF	PD: Tested thru	(Orifice or Meter	r):			
Remarks:								
Kemaras.								
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i hereby certify ti	nat the informat	ion nerein contain			st of my knowledge.			
Approved	OCT 2 1 19	993	19 (Operator	Hnoco broduction Con			
	il Conservation I							
			H	By Sty	Amoco broduction Con wan Woods			
By	had the contract	emen nerge on		Title				
				•				
Title DEPUTY	OU & GAS INSP	51, 15K, UIST. 🏰 👚		Date /	-18-93			

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.

Title

- 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 the 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. 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).