NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Gu	perator Gulf Oil Corporation				Lease Apache Federal							
Location	.	~	017		D. Fili							
of Well: Unit D Sec. 17 Twp. 24N				Type of Prod	e•	5₩ Mot hod	County	Rio Arriba				
	Name of Rese	rvoir	or Pool	(Oil or Gas) (F		Flow or	Art. Lift)	(Tbg. or Csg.)				
Upper	Otero Gallup			Gas			nding	Csg.				
Lower Completion					Gas F		,					
Completion	PRE-I		LOW SHUT-IN PRESSURE DATA			Tbg.						
Upper Hour, d	Length	of	of SI press.			Stabilized?						
Compl Shut-in 5-23-74 time shu				t-in of		psig 1249 SI press.		(Yes or No) Yes Stabilized?				
Lower Hour, date 11:00 A.M. Length Compl Shut-in 9-24-78 time sh				ut-in 72 hrs.		psig 859		(Yes or No) Yes				
FLOW TEST NO. 1												
Commenced at Time	Commenced at (hour, date)* Zone producing (Upper or Lower) Time Lapsed time Pressure Prod. Zone											
(hour, date)_				Lower Compl.			Rem	Remarks				
11:00 A.M.					1							
9-24-78		 										
11:00 A.M. 9-25-78	24	12	49 -	543								
11:00 A.M. 9-26-78	48	12	49	712			_					
11:00 A.M.	50	12	J.Q	859								
9-27-78 11:00 A.M.	72		····									
9-28-78 11:00 A.M.	24	12	49	278								
9-29-78	48	12	49	260	<u> </u>							
Production rat	te during tes BOPD be	st eed (ຕກ	Bbls. in	48	Hrs	. Gra	v. GOR				
Gas: 508		ACFPD	; Tested	thru (Orifice	or Me	eter):	- GIG					
			MID-T	CEST SHUT-IN PR	ESSUF			10. 1.3.				
Upper Hour, da Compl Shut-				Length of time shut-in			S.	Stabilized? (Yes or No)				
	Lower Hour, date			Length of			S.	Stabilized?				
Compl Shut-in time shut				ıt-in				(Yes or No)				
Commenced at	(hour date)			FLOW TEST NO			oducing (Uppe	r or Lower):				
Time	Lapsed time		ure Prod. Zone									
(hour, date)	since ** Uppe		r Compl. Lower Compl.		Te	Temp.		Remarks				
				<u> </u>								
								•				
			<u>-</u>	And the second s			1 325					
							1000					
Production rat	e during tes	L					-					
ôil:	BOPD ba	sed o	on_	Bbls. in_		Firs.	Grav	GOR				
Gas:		MCFPI); Tested	thru (Orifice	or k	leter):_						
REMARKS:				and a second control of the second control of the second control of the second control of the second control of	مرسمه رسی							
I hereby certi	ify that the	info	rmation h	erein contained	is	true an	d complete to	the best of my				
knowledge.	-			•								
Approved: 19 Cperator Gulf Oil Corporation												
New Mexico Oil Conservation Commission By New Mexico Oil Conservation Commission By												
By Srank 5 Care Title Area Engineer												
TitlDEPUTY GIL & GAS INSPECTANC DIST. #3 Date 1-5-79												

- 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 Commission.
- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission 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 commedce 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 to be shall remain shut-in while the zone which was previously shut-in is produced.

- 7. Projectes for Au-zone tests must be measured on each zone with a cead-each pressure gauge at time intervals as follows: 3-hour 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 ceadewight 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 traplicate within 15 days after completion of the test. Tests shall be filed with the Artec District Office of the New Mexico Oil Conservation Commission on Northwest New Mexico Packer Leakage Test Form Revised II-1-58, with all deadseight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the ireat of the Packer Leakage Test Form.

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1400#							
	1249#	12	49#	12	49 <i>#</i>		1249#
1200.#				up Shut-In 7			
			otero Gall	up Snut-in 7	2 1175;		
1000#							
800#							
600#							
400#							
			278#		260#		
200#			Basin Dal	kota produci	ng 48 hrs.		
O#			24		18		72
				ed Time (Hou	rs)		
			pays.				
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