LATE 85 Test

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

				_		·•		We.	11	
erator _	Man	ana Gas, I	nc.	Lease _	Bobbie 1	Herre	ra	No.	" <u> </u>	
ation Well: Un	it <u>K</u>	Sec4	Twp301	N Rge.	11	W	Coun	ty Sar	Juan	
		NAME OF RESERVOIR OR POOL		TYPE OF PROD. (Oll or Gas)		METHOD OF PROD. (Flow or Art. Lift)			PROD. MEDIUM (Tbg. or Cag.)	
ipper npletion B	obbie	Herrera-F	ruitland	Gas	Gas		Flow		Casing	
ower pietion B	- I			s Gas	Flo)W		Tubing	
			PRE-FLO	OW SHUT-IN P	RESSURE	DATA				
Hou ipper	ır, date si	nut-in	Length of time shu	t-in	Si press. psi	Ç.		Stabilized?	(Yes or No)	
	:45 F	PM 4-3-86	† T	-3-86 thru 4-8-86 ength of time shut-in		310 SI press. psig		Yes Stabilized? (Yes or No)		
mpletion 3	:45 F	PM, 4-3-86	4-3-86 thr	u 4-7-86	180			Yes		
				FLOW TEST	NO. 1					
nmenced at (hour, date	a)*			1	ducing (U	pper or Lower):			
TIME (hour, date	•) i	LAPSED TIME SINCE*	PRESSURE Upper Completion Lower Complet		PROD. ZONE		REMARKS			
		-,			50					
4-3		<u> </u>	310	150	50					
4			310	160	50					
5			310	170	50					
6	-		310	175	50					
7	.		310	180	50		Turn low	er zoi	ne on	
8			310	140	50		Turn upp	er zo	ne on	
oduction	rate di	uring test								
il:		BOI	PD based on	Bbls. in	n	_ Hour	s G	rav	GOR	
as:		· · · · · · · · · · · · · · · · · · ·	MCF	PD; Tested thru	ı (Orifice	or Mete	er): <u>Meter</u>			
			MID-TI	EST SHUT-IN P	RESSURE	DATA				
Upper Horomorphic			Length of time shut-in		SI press. psig			Stabilized?	(Yes or No)	
Lower Horomompletion	ur, date s	hut-in	Length of time shut-in		SI press. paig		Stabilized?	(Yes or No)		
							RE		IVE	
		1					_		2 1986	
							(M)	COM	d. DIV	

(Continue on reverse side)

DIST. 3

FLOW TEST NO. 2

	ate) 半半	*		Zone producing (Upper or Lower):					
TIME (hour, date)	LAPSED TIME SINCE **	PRES Upper Completion	SURE Lower Completion	PROD. ZONE	REMARKS				
			i completion	TEMP.					
			•						
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				the second section of the second section of the second section of the second section s	To the second se				
oduction rate o			<u> </u>		1				
duction rate c	iumg test								
:	BOP	D based on	Bbls. in	Hours.	Grav GOR				
):				
				Office of Meter)):				
narks:									
ereby certify th	nat the information	on herein containe	ed is true and con	plete to the best	of my knowledge.				
ereby certify th	nat the information	on herein containe APR	ed is true and con	iplete to the best	of my knowledge.				
proved	nat the information	APR A	2 <u>% 19</u> 86 o	oerator <u>Mana</u>	na Gas, Inc.				
proved	il Conservation D	APR Division	2 <u>% 19</u> 86 o	oerator <u>Mana</u>	na Cas. Inc.				
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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 packet or the tubing have been disturbed. Tests 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 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).