STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

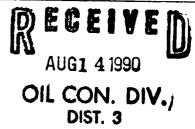
OIL CONSERVATION DIVISION

Page Pevised 10/01/

This form is not to be used for reporting packer reakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

•			Lease S	IICARILLA 447		Well #1	
ocation t Well: Unit <u>I</u>	N Sec. <u>19</u>	Twp. 27	Rge	03	County <u>R</u>	IO ARRIBA	
NAME OF RESERVOIR OR POOL			TYPE OF Oll or	į.	WETHOD OF PROD. Flow or Art. Lift)	PROD. MEDIUM (Tog. or Cag.)	
Completion PICTURED CLIFF Lower Completion MESAVERDE			GAS		FLOW	TUBING	
			GAS		FLOW	TUBING	
		PRE-FI	LOW SHUT-IN I	PRESSURE DATA			
Upper ompletion 7/15/90		3 DAYS	3 DAYS Length of time shut-in			Stabilized? (Yes or No)	
ompletion 7/15/90		3 DAYS		SI press. psig	STADITIZEC	Stabilized? (Yes or No)	
			FLOW TEST	NO 1			
nmenced at (hour, d	7/18/90		FLOW IEST	Zone producing (Up	oper or Lowers: LOWER	 	
TIME	LAPSED TIME	PRESSURE		PROD. ZONE			
(hour, date)	SINCE*	Upper Completion	Lower Completion	TEMP.	RE	REMARKS	
/16/90	1 DAY	422	600		BOTH ZONES SHUT-IN		
/17/90	2 DAYS	422	601		BOTH ZONES SHUT-IN		
18/90	3 DAYS	422	601	x***x	BOTH ZONES SHUT-IN		
19/90	1 DAY	423	275		LOWER ZONE FLO	OWING	
/20/90	2 DAYS	423	272		LOWER ZONE FLO	DWING	
duction rate o	iuring test						
	3OP:	D based on	Bbls. in	Hours.	Grav	GOR	
::				(Orifice or Meter		 -	
		MID-TE	EST SHUT-IN PR	ESSURE DATA			
mour, sate :	shu; in	Langth of time shu		Si pressi paig		Yes or No	
mour, date shut-in Length of time shut-in person			l-in	Si press paig Stabilized		(Yes or No)	
				កា	FEELVI	F (%)	



FLOW TEST NO. 2

201122380

Zone producing (Upper or Lower:

(hour, date)				PROD. ZONE	
	SINCE **	Upper Completion	Lower Completion	TEMP.	REMARKS
			1		
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					·····
eduction rate d	J	D baseri on	Shle in	House	Grav GOR
s:		MCF	PD: Tested thru	(Orifice or Meter): _	
- · 					
:marks:					
marks:					
marks:	nat the informati	ion herein contain	ed is true and co	mplete to the best of	
marks:	nat the informati	on herein contain	ed is true and co	mplete to the best of	
ereby certify the	nat the informati	on herein contain	ed is true and co 19 (mplete to the best of	f my knowledge. AND ROYALTY COMPANY
marks: hereby certify the oproved New Mexico Or	AUG 1 A	ion herein contain 1990 Division	ed is true and co 19 (mplete to the best of	f my knowledge. AND ROYALTY COMPANY
marks: nereby certify the pproved New Mexico Or	nat the informati	ion herein contain 1990 Division	ed is true and co 19 (mplete to the best of	f my knowledge.

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test snail 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 snail 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 snall also be taken at any time that communication is suspected or when requested by the Division.

Commenced at (hour, date) ★本

- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator snail notify the Division in writing of the exact time the test is to be commenced. Offset operators snail also be so notified.
- 3. The packer leakage test snail 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.
- 3. 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.
- 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 hourst 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 (as 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 snown 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 irrolicate within 15 days after completion of the test. Tests shall be filed with the Azter 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 therein as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).