# STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

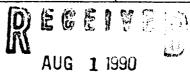
## OIL CONSERVATION DIVISION

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

# NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator MERIDIAN OIL INC.			Lease _	KLEIN	· <del>-</del> · · · · · · · · · · · · · · · · · · ·	Well		
Location of Well: Unit	ESec <b>33</b>	Twp26	Rge	06	Cou	inty <u>RI</u>	O ARRIBA	
NAME OF RESERVOIR OR POOL			TYPE OF I		METHOD OF PROD. (Flow or Art. Lift)		PROD. MEDIUM (Tbg. or Cag.)	
Completion PICTURED CLIFF			GAS		FLOW		TUBING	
Completion CHACRA			GAS		FLOW		TUBING	
		PRE-FL	OW SHUT-IN P	RESSURE DATA			* * * * * * * * * * * * * * * * * * *	
Upper 7/	gate shut-in 08/90 gate shut-in	Length of time sh  3 DAYS Length of time sh		212		Stabilized? (Ye		
Completion 7/	08/90	3 DAYS		190				
			FLOW TEST	NO. 1				
ommenced at (hou	ir. date)* 7/11/9	0		Zone producing (Upper or Lower): LOWER				
TIME (hour, date)	LAPSED TIME SINCE*	PRES Upper Completion	PRESSURE Upper Completion Lower Completion		PROD. ZONE TEMP.		REMARKS	
7/09/90	1 DAY	200	155		BOTH ZONES SHUT-IN		T-IN	
7/10/90	2 DAYS	211	184		BOTH ZONES SHUT-IN		T-IN	
7/11/90	3 DAYS	212	190		BOTH ZONES SHUT-IN			
7/12/90 1 DAY		212	132		LOWER ZONE FLOWING		WING	
7/13/90	2 DAYS	212	130		LOWER ZONE FLOWING		WING	
		1						
roduction rat	e during test							
il:	ВОР	D based on	Bbls. in	Hours.	G	Grav	GOR	
as:	-	MCF	PD: Tested thru	(Orifice or Meter	·):			
		MID-TI	EST SHUT-IN PE	RESSURE DATA				
Upper ampletion Langth of time snut-in		it⊣n	St press, psig		Stabilized? (Yes or No)			
Lower Hour, d.	ate shuton	Length of time shu	li-in	SI press. psig		Stabilized? (Yes or No)		
				(D)	EGEI	VE	`\	



### FLOW TEST NO. 2

ommenced at (hour, date) **  Zone producing (Upper or Lower):								
TIME	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE				
(hour, date)		Upper Completion	Lower Completion	TEMP.	REMARKS			
	;							
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		,				<u></u>		
:	BOPD based on		Bbls. in	Hours.	Grav	GOR		
s:		MCF	PD: Tested thru	(Orifice or Meter):		<del> </del>		
	<del></del>							
						· · · · · · · · · · · · · · · · · · ·		
ereby certify t	hat the informati	on herein contain	ed is true and cor	nplete to the best	of my knowledge.			
	_	1990						
proved	MUU U I	<u> iaan                                  </u>	19 O	perator MERII	DIAN OIL INC.			
New Mexico C	il Conservation I	Division	77	CI	CHANDLED			
			B	<u>C.L</u>	- CHANULEK			
•				PR(	UDUCTION ASST			
Ori	iginal Signed by Ch	IARLES GHOLSON	<b>T</b> i	itle	ODUCTION ASST.			
	iginal Signed by CH UTY OHL & GAS IN:		Ti	itle	L 3 1 1990	<del></del>		

#### 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.
- 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 leaxage 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).