## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

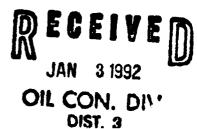
## **OIL CONSERVATION DIVISION**

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This form is not to be used for reporting packer leakage tests n Southeast New Mexic

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

		st New Mexico	NORTHWEAT	TEW PRESIDENCE				
Operator	National Cooperative Refinery Association			Lease _	Candado	)	Well 17A No	
		Sec10	Twp. 26N	Rgc	7!/	Cour	nty <u>Rio Arriba</u>	
		NAME OF RESERVE		TYPE OF	PROD.	METHOD OF PROD. (Flow or Art. Lift)	PROD, MEDIUM (Tbg. or Cag.)	
Upper Completion		Chacra		Ga	Gas		Tba	
Lower Completion	Mesaverde		011/	Gas	Flow	Tba		
1			PRE-FL	OW SHUT-IN I	PRESSURE DATA			
Upper	·· 1 11/2///41 *			Length of time shut-in 72 hrs			Stabilized? (Yes or No)	
Lower	Hour, date s	date shut-in Length of time shut-in 81		305 81 press, palg 390	· · ·			
Completion	11	/27/91	12				163	
`enumenced	at thour dat	•j* 7:00 a.m	11/30/91	FLOW TEST	NO. 1 Zone producing (I	Upper or Lowerk	Lower	
TIME LAPSED TIME			PRESSURE Upper Completion Lower Completion		PROD. ZONE TEMP.		REMARKS	
7:00	a.m.	0	305	390				
4:00	30/91 ) o.m. 30/91	8	305	230	<del>-  </del>	, i	P C MA	
7:00	a.m. 01/91	24	305	230				
							Sential Bridge	
							rangus garis menerika	
roductio	. 30	uring test	.3 D based on	n Bble i	24 n Hous	rs. G	. 49.5 GOR 180,00	
)11: Gas:		54 			a (Orifice or Met	Me	eter	
			MID-T	EST SHUT-IN P	RESSURE DATA	١		
Upper	Hour, date shut-in Length of time shu		ut-in	SI press, peig		Stabilized? (Yes or No)		
empletion	ower spiellen Length of time a		ul-in	Si press, paig		Stabilized? (Yes or No)		



(Continue on reverse side)

FLOW TEST NO. 2

Zone producing (Upper or Lower):

Unner

TIME	LAPSED TIME SINCE 中中	PRESSURE		PROD. ZONE						
(hour, date)		Upper Completion	Lower Completion	TEMP.	REMARKS					
7:00 a.m. 12/04/91	0	305	390							
4:00 p.m. 12/04/91	৪	190	390							
7:00 a.m. 12/05/91	24	190	390		·					
Production rate during test										
Oil:0	BOP!	D based on	Bbls. in	Hours.	Grav GOR					
Gas: 59 MCFPD: Tested thru (Orifice or Meter): Meter										
Remarks: No leaks detected.										
I hereby certify that the information herein contained is true and complete to the best of my knowledge.										
Approved New Mexico Oil	Conservation D	92 Division	_19 0	perator						
			В	y	lela / flet					
By	Signed by CHAR	LES GHOLSON		•	roduction Manager					
Title DEPUTY ON	L & GAS INSPECT	OR, DIST. #3	D	ate	12-30-91					

## 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 durutbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

Commenced at (hour, date) \*\* 7:00 a.m. 12/04/91

- 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 gazaged and by 24 pour an initial packer leakageness, a gas well included flowed found atmosphere due to the lack of a pipeline connections the flow period shall be three flowed.
- 5. Following completion of Flow Test No. 1, the welland 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 shall be conducted thought 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 tecorded 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 13 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).