## NEW MEXICO OIL CONSERVATION COMMISSION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Revised 11-1-58

		the control of the co			,	Well		
Operator	Aztec Oil & C	Sas Company	Le	ase Jica	rilla 101	No. <u>#2</u>		
Tanabian								
of Well: Un	it M_Sec1	.2 Twp. 26 l	North Rge	• 4 W€	est County	Rio Arriba		
			Type of Prod.	Method	d of Prod.	Prod. Medium (Tbg. or Csg.)		
	Name of Reser	rvoir or Pool	(Oil or Gas)	(Flow or	Art. Lift)	(Tog. or Usg.)		
Upper Completion	Wildhorse Gal	lup	Gas	I	low	Casing		
Tarran			Gas	I	Flow	Tubing		
PRE-FLOW SHUT-IN PRESSURE DATA								
Unper Hour date Length of SI press. Stabilized						Stabilized?		
Compl Shut-in 9-17-77 time shut		t-in 72 Hou	rs psi	g 654	(Yes or No)			
Lower Hour, date Length of		of.	IST nr	988.	Stabilized?			
Compl Shut-in 9-17-77 time shut-in 72 Hours psig 750 (Yes or No)						(Yes or No)		
FLOW TEST NO. I								
Commenced at	(hour, date)	× 9-20-	77	Zone	producing (Uppe	r or Lower): Lower		
Time	Lapsed time	Pres	sure	Prod. Zone	Rem	· · · · · · · · · · · · · · · · · · ·		
(hour, date)	since*	Upper Compl.	Lower Compl.	Temp.	Keii	arks		
	,	415	720					
9-18-77		415	720					
9-19-77		576 .	739					
9-20-77		654	750					
9-21-77	24 Hours	698	237					
		747	230					
9-22-77	48 Hours	147	230					
				L				
Production r	ate during te	st		***	C.w.	ann		
Oil:	BOPD b	ased on	Bbls. in_	HH	rsGra	dox		
Gas:		MCFPD: Tested	thru (Orllice o	or Meder):				
			TEST SHUT-IN PRI			Stabilized?		
Upper Hour,		Length	of ut-in	psi		(Yes or No)		
	COMPT Direction			SI pr		Stabilized?		
	ower Hour, date Length of time shut			psi		(Yes or No)		
Compl Shut-in time shut-in psig (Yes or No)  FLOW TEST NO. 2								
Commenced at		**	FLOW TEST N	Zone	producing (Uppe	er or Lower):		
	(hour, date)	** Pres	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time	(hour, date)	** Pres	FLOW TEST N	Zone Prod. Zon	producing (Uppe e	er or Lower):		
Time	(hour, date)	** Pres	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time	(hour, date)	** Pres	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time	(hour, date)	** Pres	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time	(hour, date)	** Pres	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time	(hour, date)	** Pres	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time	(hour, date)	** Pres	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time	(hour, date)	** Pres	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time (hour, date)	(hour, date) Lapsed time since **	** Pres Upper Compl.	FLOW TEST No	Zone Prod. Zon	producing (Uppe e			
Time (hour, date)	(hour, date) Lapsed time since **	** Pres Upper Compl.	FLOW TEST Nossure Lower Compl.	Zone Prod. Zon Temp.	producing (Uppe	marks		
Time (hour, date)	(hour, date) Lapsed time since **	** Pres Upper Compl.	FLOW TEST Nossure Lower Compl.	Zone Prod. Zon Temp.	producing (Uppe	marks		
Time (hour, date)	(hour, date) Lapsed time since **	** Pres Upper Compl.	FLOW TEST Nossure Lower Compl.	Zone Prod. Zon Temp.	producing (Uppe	marks		
Time (hour, date)  Production oil: Gas:	(hour, date) Lapsed time since **  ate during te	Presupper Compl.  Stased on MCFPD; Tested	Bbls. in_i thru (Orifice	Zone Prod. Zon Temp.	producing (Uppe			
Time (hour, date)  Production oil: Gas:	(hour, date) Lapsed time since **  ate during te	** Pres Upper Compl.	Bbls. in_i thru (Orifice	Zone Prod. Zon Temp.	producing (Uppe	marks		
Time (hour, date)  Production oil: Gas:  REMARKS:	(hour, date) Lapsed time since **  ate during te	Pres Upper Compl.  st ased on MCFPD; Tested	Bbls. in thru (Orifice	Zone Prod. Zon Temp.  Hrs or Meter)	producing (Uppe	marks GOR		
Production oil: Gas: REMARKS:	(hour, date) Lapsed time since **  ate during te	Pres Upper Compl.  st ased on MCFPD; Tested	Bbls. in thru (Orifice	Zone Prod. Zon Temp.  Hrs or Meter)	producing (Upper Remark)  Grave  and complete t	GOR_		
Production oil: Gas: REMARKS:	(hour, date) Lapsed time since **  ate during te BOPD b	Presupper Compl.  Stased on MCFPD; Tested	Bbls. in thru (Orifice	Zone Prod. Zon Temp.  Hrs or Meter)	groducing (Upper Rer Rer Rer Rer Grav. Grav. Complete to the Oil & Gas Complete to the Complet	GOR_		
Production oil: Gas: REMARKS:	(hour, date) Lapsed time since **  Pate during to BOPD be	Presupper Compl.  St ased on MCFPD; Tested	Bbls. in thru (Orifice	Zone Prod. Zon Temp.  Hrs or Meter)	groducing (Upper Rer Rer Rer Rer Grav. Grav. Complete to the Oil & Gas Complete to the Complet	GOR_		
Production oil: Gas: REMARKS: I hereby continuous knowledge.	(hour, date) Lapsed time since **  ate during te BOPD b	Presupper Compl.  Stased on MCFPD; Tested information	Bbls. in thru (Orifice	Zone Prod. Zon Temp.  Hrs or Meter)	groducing (Upper Rer Rer Rer Rer Grav. Grav. Complete to the Oil & Gas Complete to the Complet	GOR_		
Production of Oil: Gas: REMARKS:  I hereby center the knowledge.  Approved: New Mexico	(hour, date) Lapsed time since **  ate during te BOPD h	Presupper Compl.  stased on MCFPD; Tested	Bbls. in thru (Orifice Operat	Zone Prod. Zon Temp.  Hrs or Meter)  d is true or Azteo	Grav.  and complete t  Oil & Gas Com	GOR o the best of my		
Production oil: Gas: REMARKS: I hereby cerknowledge. Approved: New Mexico	(hour, date) Lapsed time since **  ate during te BOPD b	Presupper Compl.  stased on MCFPD; Tested	Bbls. in thru (Orifice Operat	Zone Prod. Zon Temp.  Hrs or Meter)  d is true or Azteo	groducing (Upper Rer Rer Rer Rer Grav. Grav. Complete to the Oil & Gas Complete to the Complet	GOR o the best of my		
Production of Oil: Gas: REMARKS: I hereby can knowledge. Approved: New Mexico ORIGINAL SA	(hour, date) Lapsed time since **  ate during te BOPD b	Presupper Compl.  stased on MCFPD; Tested	Bbls. in_ in thru (Orifice  Operat  Title_	Temp.  Hrs or Meter  Disti	Grav.  and complete t  Oil & Gas Com	GOR		

## 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 Commission.
- 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 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.
- 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.

@ : (59h.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight 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 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 pressure 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 Commission on Northwest New Mexico Packer Leakage Test Form Revised 11-1-58, with all deadweight 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 front of the Jacker Leakage Test Form.

760		
800		
760		
isco and		
30		