NEW MEXICO OIL CONSERVATION COMMISSION

Revised 11-1-58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

	Canaca	Inc.	L	ease Ax	I Apache 1	< No. 4	
of Well: Unit to Sec. 23 Twp. 266 Rge. 2560 County Riching							
or well.			Type of Prod	 Metho 	d of Prod.	Prod. Medium	
fi	Name of Rese	rvoir or Pool	(Oil or Gas)	(Flow o	r Art. Lift)	(Tbg. or Csg.)	
Upper Completion South Stance Protection		Protest Clima	- Cha Gas		Dis.	C5g.	
Lower Completion Bianco Mesalier		a Verde	Gas Flanc.		GEC .	Tbg,	
		PRE-	E-FLOW SHUT-IN PRESSURE DATA		Α		
Upper Hour	, date ut-in -	Length	Length of time shut-in		ess.	Stabilized? (Yes or No) Yes	
Tower Hours	Tower Hour date live in		1 I anoth of		K .	Stabilized?	
Compl Shut-in Sept 12,1938 time shut			ut-in 12 hrs	-in (2 hrs psig 460 4		(Yes or No) Yes	
			FLOW TEST NO	J•_1	oroducing (Upp	en on Iowen).	
Time	Lapsed time	Pres	sure	Prod. Zone	e	er or Lower): Lower	
(hour, date	since*		Lower Compl.		Remarks		
1:00 P.m., 9/12/88	_	0	430#		S.I. Mesa	S.I. Mesa Verde	
1.20 P.M. 9113 88	-	0.	450#		5.1. 24 hr	5.1. 24 hrs	
1:00 P.M. 9114188	-	Q	455#		5.I. 48 hrs		
1:00 P.M. 9/15/88	-	Q	460#		5. I. 72 hrs.		
1:09 P.M. 9/16/88	24 hrs.	0	320₩		Flow Mesa	Verde 24 hrs	
1.00 p.m.	48 hrs.		310#		Flow mesa verde 48 hrs.		
Production rate during test Oil: BOPD based on Bbls. in Hrs. Grav. GOR							
Gas: MCFPD; Tested thru (Orifice or Meter):							
		MID-1	EST SHUT-IN PRI	ESSURE DATA	1	16	
Upper Hour, date Compl Shut-in			Length of time shut-in		SI press. Stabilized? (Yes or No)		
	Lower Hour, date		Length of		9ss.	Stabilized?	
Compl Shut-in time shu			-in psig		(Yes or No)		
Commenced a	t (hour, date)		FLOW TEST NO		producing (Uppe	er or Lower):	
Time	Lapsed time	Pres	sure	Prod. Zone			
(hour, date) since **	Upper Compl.	Lower Compl.	Temp.	Rei	marks	
		1	ļ		6 80		
					REC	EINEU	
					<u> </u>		
					<u> </u>	1 1988	
					OIL CO	1 1988	
Production	rate during tes	st		The state of the s	OIL CO	1 1988 N. DIV I. 3	
Production Oil:	rate during temporate BOPD ba	st ased on	Bbls. in thru (Orifice	Hrs.	OIL CO	1 1988 N. DIV I. 3	
Oil:Gas:	BOPD ba	ased on MCFPD; Tested			OIL CO	1 1988 N. DIV	
Oil: Gas: REMARKS:	BOPD be	MCFPD; Tested	ammunicatio		OIL CO	1 1988 N. DIV I. 3	
Oil: Gas: REMARKS: 7.5 I. P	BOPD be	MCFPD; Tested Test. No C	ammunication, pation, perein contained	is true	OCT 2 OIL CO DIS Grav. Fictore and complete to	1 1988 N. DIV I. 3	
Oil: Gas: REMARKS: 7.5 I. P I hereby ce knowledge.	BOPD be	Test. No cation evaluation to	ommunication, erein contained Operato	is true	OCT 2 OIL CO DIS Grav. Grav. And complete to ca Inc.	1 1988 N. DIV GOR Litt zanc	
Oil: Gas: REMARKS: T.SI. P I hereby ce knowledge. Approved: New Mexico	BOPD be	Test. No Cation evaluation to 19 Lon Commission	ommunication, erein contained Operato By R	on . Coppe I is true a or Cono cohard Far	OCT 2 OIL CO DIS Grav. Picture Condition of the conditi	1 1988 N. DIV GOR Litt zone the best of my	
Gas: REMARKS: T.SI. P I hereby ce knowledge. Approved: New Mexico	BOPD be 1988 Packer ending form rtify that the OCT 2 1 19	mcFPD; Tested Test. No C ation evaluation information	ommunication, erein contained Operato By R	on . Coppe I is true a or Cono cohard Far	OCT 2 OIL CO DIS Grav. Picture Condition of the conditi	1 1988 N. DIV GOR Litt zanc	

NORTHWEST NEW MEXICO PACKER Later That INSTRUCTIONS

- 1. A packer leakage test shall be commencer 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.
- 5. Following completion of Flow Test No. 1, the well shall again be shutin, 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-hour tests immediately prior to the beginning of each flow-period, at fiftee-mainst intervals during the first hour thereof, and at hourly intervals their after, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests; immediately prior to the conclusion of each flow period, at least one time during each flow perior iat 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
- 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 Packer Leakage Test Form.

