## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

### OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is not to be used for reporting packer leekage lests in Southnest New Marie

#### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operato		Marath	on Oil	Company	Lease _	Ohio "B"	Aztec	Well No.	
Location of Well:	Unit	<u>C Sec</u>	23 Twp	28-N	Rge. 1	1-W	Cou	ntySa	n Juan
		NAME OF R	ESERYOIR OF	POOL	TYPE OF (OR or		METHOD OF PROD		PROD. MEDIUM (Thg. or Cag.)
Upper Completter	Fru	itland			Gas		Flow	С	asing
Lower Completter	Pic	tured	Cliffs		Gas		Flow	т	ubing
				PRE-FLO	OW SHUT-IN I	PRESSURE DATA			
10/18/92			Length of time em	7s 181		Stabilized? (Yes or No) NO		is or No.	
Lower Completion	10/	18/92		>5 Day		Si press. pelg 168		Stabilized? (Ye	es er Noj es
					FLOW TEST	NO. 1			·
Consmones	ol thour, date	+				Zane producing (Up	per or Lowert		
TIME LAPSED TIME				PRES: per Completion	SURE Lower Completion	PROD. ZONE TEMP.		REMARKS	
10/3	L8/92						Both	Zones	SI
10/3	L9/92			178	168		Both	Zones	SI
10/2	20/92			180	168		Both	Zones	SI
10/2	21/92	<del></del>		181	168	a *	Both :	Zones	SI
10/2	22/92			169	169		Flowed	d Uppe	r Zone
10/2	3/92			169	169 Flowed Upper Zone				r Zone
	on race du	•	Lowe	r Zone N	on-Produc	Orifice 1.	lowed		-
Oil:	<del></del>		BOPD bas	sed oo	Bbls. is	n Hours	G	f2Y	GOR
Gas:				MCFI	PD; Tested thru	(Orifice or Meter	):Orif:	ice	
						RESSURE DATA			
Upper Completion	Hour, date sh	ul-in		ength of time shu	l-in	SI press, paig		Stabilized? (Yes	or No)
Lower Completten	Hour, date sh	ut-in		ongth of time shu	Hin	Si press. paig		Stabilized? (Yes	or No)
		<del></del>			•	<u>'</u>		N 6 60	* 1 16 60 500

DECLIZIONE DECLIZIONE

OIL CON. DIV.

FLOW TEST NO. 2

ucing (Upper or Lower)

TIME (Prous, date)	LAPSED TIME SINCE ##	\ <u></u>		PROD. ZONE		
		Upper Completion	Lawer Completion	TEMP.	REMARKS	
		· -				
		<del> </del>	l			
			<del> </del>			
				ļ		
	<u> </u>		<u> </u>			
Production rate d	uring test				•	
Oil:	BOP	D based on	Bbls. in	Hours.	Grav GOR	
G25:		мсғ	PD: Tested thru	(Orifice or Meter)	):	
					-	
hereby certify the	hat the informati	ion herein contain	ed is true and co	implete to the her	t of my knowledge.	
Approved	DEC 17 19	192				
New Mexico O	il Conservation 1	Division			THON OIL COMPANY	
•		•		By THOMAS M	. PRICE Themes in wes	
	A Carried to the second	and the second second		7 0177 10	<b></b>	
By Origina	ii Signes sy LAA:	ASEC SAMPLOOF	1	Tide ADVANC	ED ENGINEERING TECHNICIAN	

#### 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 suthorizing 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 semedial work has been done on a well during which the packer or the rubing have been disrurbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

cod at front, date) \* \*

- 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.
- The packer leakage test shall commence when both zones of the dual completion are short-in for pressure stabilization. Both zones shall remain shurt-in until the well-head pressure in each has stabilized, provided however, that they need not remain shurt-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-its. 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 packet leakage test, a gas well is being flowed to the aumosphere due to the lack of a pspeline connection the flow period shall be three hours.
- 5. Following completion of Flow Test No. 1, the well shall again be shur-in, in accordance with Paragraph 3 above.
- Flow Tent'No. 2 shall be conducted even though no leak was indicated during Flow Ten No. 1. Provider for Flow Ten No. 2 in to be the same as for Flow Ten No. 1 except

- that the previously produced zone shall remain short-in while the zone which was previously short-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 houtly 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 therefore the series revier, once at the beginning and once at the end of each test, wich 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 Azter District Office of the New Meanes Oil Conservation Division on Northwest New Mexico Packer Leakage. Test Forto 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).

# STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

### OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

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

### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator	Mai	rathon Oil	Company	Lease _	Ohio "B" A	Aztec	Well 1 No1		
Location of Well:	Unit	Sec. 23	7-p. 28N	Rge	11W	Cour	San Juan		
		NAME OF RESERVO	OIR OR POOL	TYPE OF F		METHOD OF PROD (Flow or Art LHt)	·· T		
Upper Completion	Fru	itland		gas	f	low	casing		
Lower Completion	Pict	tured Clif	fs	gas	f	flow	tubing		
					RESSURE DATA				
Upper	Upper		1 -	Length of time shul-in			Stabilized? (Yes or No)		
Completion		-31-93	3 da		SI press. paig	9			
Lower Completion	Hour, date st 10-	-31-93	! -	Length of time shut-in 5 days		3	itabilized? (Yes or No)		
				FLOW TEST	NO. 1				
Conmenced	el (hour, date	e) <b>*</b>	· · ·		Zone producing (U	pper or Lowerk			
TIME (hour, date)		LAPSED TIME SINCE#	PRES Upper Completion	SURE Lower Completion	PROD. ZONE		REMARKS		
10-31-93						Both z	ones SI		
11-	01-93		174	136		n e	BELVER		
11	02-93		176	136			5 & U V & 111		
11	03-93		179	136		- 15	ઝને કે. <b>૩૭૬.</b> ૦૦ <b>૦ ૧</b> ૦ ૬ ૦૦ <mark>૦</mark>		
11-	04-93		174	137		Flowing	upper zone		
11-	05-93		173	138		Flowing upper zone			
Productio	on race du	iring test Stat	ic 8.8 Di	ff 1.0 O	cifice 1.00	)00 Stati	c Spring 250#		
Oil:		BOPI	D based on	Bbls. ir	Hour	s G	rav GOR		
Gas:			мсғ	PD: Tested the	(Orifice or Mete	er):			
					RESSURE DATA	•			
	Hour, date sh	nul-in	Length of time sho	<del></del>	SI press. psig		Stabilized? (Yes or No)		
Upper Completion									
Lower Completion	Hour, date sh	hul 4n	Length of time shu	ri+n	SI press, paig		Stabilized? (Yes or No)		

Lower zone non productive

FLOW TEST NO. 2

Commenced at (hour, date) + +				Zone producing (Upper or Lower):			
TIME (hour, date)	LAPSED TIME SINCE ##	Upper Completion	Lower Completion	PROD. ZONE TEMP.	REMAR	IKB ·	
						e e e e e e e e e e e e e e e e e e e	
						<del>-:</del>	
						<u> </u>	
uction rate o	luring test				-		
	ВОР	D based on	Bbls. in	Hours.	Grav	GOR	
		MCF.	PD: Tested thru	Orifice or Meter	):		
						· 	
reby certify th	hat the informati	on herein containe	ed is true and cor	nplete to the bes	τ of my knowledge.		
roved	EC 2 3 199 il Conservation D	3	_ 19 O	perator Ma	rathon Oil Com	pany	
			В	Thomas	M. Price	work	
	Signed by CHARLE Signed by CHARLE		Ті				
~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	アドンプ こうさいがい	はずだげに動う		12-20-			

### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

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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 Meuro Oil Conservation Division on Northwest New Metro 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).