NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Onenaton	Tenneco Oil Co	ompany	т	Well No. C-4				
Location			b	ease Jicar	1114	NO		
of Well: U	Init_F_Sec	24 Twp. 26	Rg	e <u>5</u>	5 County Rio Arrib			
	Name of De-		Type of Prod	• Method	of Prod.			
Upper	Mesa Verd	ervoir or Pool	(Oil or Gas)			(Tbg. or Csg.)		
Completion Lower				1	OW	Casing		
Completion	Dakota		Gas		OW	Tubing		
Unnan Houn	dates	PRE-I	FLOW SHUT-IN PR			104-1-11-10		
Compl. Shu	date 5:50 p.m t-in 8-29-76	Length	ut-in zone	SI pre		Stabilized? (Yes or No) Yes		
Lower Hour	date 5:50 p.m	Length	of	SI pre	55.	Stabilized?		
Compl Shu	t-in 8-29-76	time shu	ut-in 72 Hrs FLOW TEST NO	psig		(Yes or No) No		
Commenced a	t (hour, date)* 1:30 p.m.	9-1-76	Zone p	roducing (Up	per or Lower): Lower		
Time	Lapsed time	Pres		Prod. Zone				
(hour, date		Upper Compl.	Lower Compl.	Temp.	Remarks			
11:20 a.m 9-20-76	22	506	313			₩		
1:25 p.m. 9-8-76	48	506	322			4.8 €		
·						178 0 4.		
								
					····	******		
	rate during te							
Oil:	BOPD b	ased on	Bbls. in_	Hrs	G:	ravGOR		
Gas: 240		MCPPD; Tested MTD_T	thru (Orifice of EST SHUT-IN PRE	or Meter):	Meter	· · · · · · · · · · · · · · · · · · ·		
Upper Hour,	date	Length			SS.	Stabilized?		
	t-in		t-in	psig		(Yes or No)		
Lower Hour,			of h da	SI pres		Stabilized?		
Compl Shu	`-TU	time shu	FLOW TEST NO	psig		(Yes or No)		
Commenced at	(hour, date)	**	1201 1101 110		oducing (Upr	per or Lower):		
Time	Lapsed time	Pres		Prod. Zone	Zone			
(hour, date) since **	Upper Compl.	Lower Compl.	Temp.	Re	emarks		
	ŀ							
					3	SEP 20 1976		
		•				OIL CITY 3		
····	•					0.51		
Production	ate during te				· · · · · · · · · · · · · · · · · · ·	The second secon		
Oil:	BOPD b	ased on	Bbls. in	Hrs.	Grav.	GOR		
Gas:		MCFPD; Tested	thru (Orifice	or Meter):_				
REMARKS:		•						
- 4010				· · · · · · · · · · · · · · · · · · ·	 			
	tify that the	information he	erein contained	is true an	d complete t	o the best of my		
				TENNESS	OTL COMPANY	,		
_		5 1976	Operato	r TENNECO	OIL COMPANY			
knowledge. Approved: New Mexico	Oil Conservat	19 19 ion Commission	Operato - By	r TENNECO	relice	JOE MILLER		
Approved: New Mexico	Oil Conservat:	ion Commission	- By	1 4 1	relike	JOE MILLER		
Approved:	0il Conservati	ion Commission	By	DIVISIO	MENGINEER	JOE MILLER		

NORTHWEST NEW MEXICO PACE & LEARAGE TEST INSTRICTIONS

- 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.
- 2. 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 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 such 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 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 filed by the state of the law state of the la

NEW MEXICO OIL CONSERVATION COMMISSION

Revised 17-1-58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

					HTHWEST	NEW PEA.					10	Well	£ 4
Operator_	Ten	neco C	oil Com	pany			Le	as e _	Jica	arilla		No	
Location	17 A	F	24	ጥъ	_m 26		Røe		5		County	Rio Arriba	·
of MeTT:	unit		Dec		P	Туре	of Prod.	·	Method	of Prod Art. Li		Prod. Med	T.C.
	N	ame of	Reser	voir	or Pool	(Oil (or Gas)	<u>(</u> F	low or	Art. Li	ft)	(Tbg. or C	sg.)
Upper Completio	n	Mesa Verde				Gas			Flow			Casing	
Lower	ver Delicate				Gas	Gas Flow					Tubing		
							LOW SHUT-IN PRESSURE DATA						
							of SI			55.		Stabilized (Yes or No	i?
									psig 459 SI press.			Stabilized	1?
Lower Hour, date 8-21-77 Length of												(Yes or No	
Compl Shut-in 3:05 p.m. time shut-in 72 Hrs. psig 881 (Yes or No)No FLOW TEST NO. 1 Commerced at (hour date)* 8-25-77 12:57 p.m. Zone producing (Upper or Lower): Lower													
Commenced	at (hour,	date)	{	8-25-77		P				(Uppe:	r or Lower): Lower
Time		Lapse	l time			sure			. Zone		Rem	arks	
(hour, da		sin	ce*	Upper	Compl.	Lower	compT•	Ten	тр•		100111	ai Ko	
8-26-7 1:00 p	m.	24 I	irs.	45	59	451							
8-27-7 11:15		46 }	drs.	45	59 .	399							
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7 2 2 4 4		- dun	ing to	<u> </u>		L			 	1			است
Production Oil:		e dur	ROPD ha	ased o	on	Bb	ls. in_		Hr	`s	Gra	.vG0	R
Gas: 4	98		l	MCFPD	: Tested	thru (0	rifice (or Me	eter):_	meter			
		+ 0		 1	Length		T-IN PRI		SI pre	ss.		Stabilize	
Upper Hou Compl	ır, qa Shuti	n		İ	time shu	t-in			, -			(Yes or N	
Lower Hou	Lower Hour, date Length					of	of SI			SI press.		Stabilized? (Yes or No)	
Compl S	Shut-i	n	·		time shu	it-in	TEST N		psig	<u>. </u>		1 (108 01 1	<u> </u>
Commence	at (hour.	date)	**					Zone p		g (Uppe	r or Lower):
m- m-		Tanca	amit h		Pres	Sure P. Lower Compl.		Pro	d. Zone	1	Remarks		
(hour, da	ate)	sinc	e **	Uppe:	r Compl.	Lower	Comp1.	T	emp.	 	Iten	MIKO	
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Producti	on rat	e dur	ing te	st		HGI	de in		Hrs.		Grav.	GOR	
Oil:			BOLD 0	aseu MCFP	D: Tested	i thru (Orifice	or	Meter)	:		GOR	
0003													
REMARKS:					<u></u>								
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Approved	. (CT	20 197	7 /	19	•,'							
Approved: 00120197/ 19 New Mexico Oil Conservation Commission By HMVaull Harold Korell													
By Mahwell Title Division Production Engineer													
Title													

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 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 Maxico Oil Conservation Commission On Northwest New Maxico 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 source 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.

