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 leakege tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST -

Operator	Sou	thern Union	Exploration	Lease	Jicaril	1a		Well No. <u>K17</u>	
		Sec. 12 7	rwp. 25	Rgc	5		County	Rio Arriba	
or wen:	NAME OF RESERVOIR ON POOL			TYPE OF PROD. [Oll or Gas]		METHOD OF PROD. (Flow or Art Lift)		PROD. MEDIUM (Tbg. or Cog.)	
Upper Completion				Gas		Flow		Csg.	
Lower Completion	Basin Dakota			Gas	Gas,		Flow Tbg.]
			PRE-FLO	W SHUT-IN P	RESSURE 1	DATA		abilized? (Yes or Ho)	1
Hour, date shut-in Length of time shut-in					Bi press. palg	910		No	:
Completion Unki		TOWIT		OWN	SI press, pelg		91	Stabilized? (Yes or Ho)	
Lower Completion	100 100		1 -	26 Days		1510		Yes	
Completion	09/2	22703		FLOW TEST	NO. 1				
<u> </u>	d al (hour, dal	(e) *				Zone producing (Upper or Lower):			
		LAPSED TIME SINCE*	PRESS	UNE	PROD. Z		nemank8		
	ME , dele)		Upper Completion	Lower Completion	TEM	P			
10/1	6/89	1 Day	910	1510		<u>.</u>			
10/1	7/89	2 Days	910	· 1510					
10/1	8/89	3 Days	910	1510			Lower zor	ne on	
10/1	9/89	4 Days	910	300					· · ·
10/2	20/89	5 Days	910	295	<u> </u>	 ,	1.11	<u> </u>	:
	•					•	مند	market Carlot	
Producti	ion sate d	luring test	<u></u>		:		۱۹۱۲	DIST. 3	
Oil:	0	BOP	D based on	Bbls. i	n	_Hours.	Gr	av GOR	
Gas:	392		MCF	PD; Tested thri	ı (Orifice o	or Meter):		
			MID-TT	ST SHUT-IN I	RESSURE	DATA			
			Length of Ilme shu	it-In	SI press, psig			labilized? (Yes or No)	:_
Completion Lower Completion			Length of time shu	Length of time shut-in		9	·	(Papilitael) (Vea or No)	
Company									

FLOW TEST NO. 2

Commenced at flour, data	1**	·	Zone producing (lipper or Lowerk				
Chour data	LAPSED TIME SHICE ##	[Lower Completion	PHOD. ZOHE	•	REMARKS	
			<u>i</u>				
						•	
1			<u>.</u> [
			}		<u> </u>	· · · · · · · · · · · · · · · · · · ·	
					-		
						• .	
Production rate du	ring test	,					
Oil:	Bori) based on		Hours.	Grav	GOR	
Gas:		МСР	PD: Tested thm (Orifice or Merer):		
			•				
			·				
							
hereby certify that	t the informatio	n herein containe	d is true and com	plete to the bes	t of my knowledge.		
pproved NOV	4000				thern Union E		
New Mexico Oil				,		APIOIACION	
Original Sian	ied by CHARIES	CHALCAG	Ву	Muy	1 Hudgins		
	J Citable		Tio	lc <u>Tec</u>	hnician		
itle DEPUTY OIL	& GAS INSPECT	OR, DIST. #3	n	tc11/			
				10	,-,		

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 suthoriting 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 Division.
- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator thall notify the Divition 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 thus in for pressure trabilization. Both zones shall remain shut in until the well-head pressure in each has trabilized, provided however, that they need not remain shut in more than seven days.
- 4. For Flow Test No. 1, one ione of the dual completion shall be produced at the normal tate of production while the other zone termains shut-in. Such test shall be continued for seven days in the case of a gas well and for 14 hours in the case of an oil well. Notes if, on an initial packet leakage test, a gas well in being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 3. Following completion of Now Test No. 1, the well shall again be shut-in, In accordance with Paragraph 3 above.
- 6. How Teat'No, 2 shall be conducted even though no leak war indicated during Flow Ten No. 1. Procedure for Now Year No. 2 is to be the same as for Flow Ten No. 1 except

- that the previously produced zone shan 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: homediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hously 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 tetti; all pressures, throughout the entire test, shall be continuously measured and secorded with secording 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 he a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil aone only, with deadweight pressures at required above being taken on the gas zone.
- 1. The results of the above described terr shall be filed in triplicate within 13 days after completion of the terr. Terr shall be filed with the Artec Direct Office of the Hew Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Terr Form Revised 10-01-78 with all deadweight pressures Indicated thereon as well as the flowing temperatures (gas sones only) and gravity and GOR foil sones only).