STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

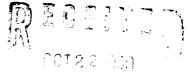
OIL CONSERVATION DIVISION

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

perator Sou	uthern Union	Exploration	Lease	Jicarilla	W	ell c. E10E	
					County R	io Arriba	
	NAME OF RESERVOIR OR POOL		TYPE OF PROD. (Oil or Gas)		METHOD OF PROD. (Flow or Art. 1.111)	PROD. MEDIUM (Tbg. or Cag.)	
Upper Wildhorse Gallup			Gas		Flow	Tbg.	
npletion Basin Dakota			Gas		Flow	Tbg.	
		PRE-FLC	OW SHUT-IN P	RESSURE DATA			
Hour, date a	hut-in	Length of time shu	t-in	SI press, paig	Stabilize	abilized? (Yes or No)	
pletton $10-0$		5 Da		380	Ciabilla	No Stabilized? (Yes or No)	
ower Hour, date s		Length of time shu		SI press. pelg	Studinze		
nptetion 10-0	7-90	3 Da	ıys	870	l	No	
			FLOW TEST	NO. 1			
onkmenced at (hour, date)本				Zone producing (U)	Zone producing (Upper or Lower):		
TIME	LAPSED TIME		PRESSURE		REMARKS		
(hour, date)	SINCE*	Upper Completion	Lower Completion	TEMP.			
10-08-90	1 Day	320	780				
10-09-90	2 Days	340	803				
10-10-90	3 Days	358	870		Lower zone on		
10-11-90	4 Days	375	400				
10-12-90	5 Days	380	325				
<u> </u>	luring test	<u> </u>			<u> </u>		
_					_	000	
_	ВОР	D based on	Bbls. is	n Hour	s Grav	GOR	
il:2	ВОР			(Orifice or Meta		GOR	
il:2	ВОР	MCF	PD; Tested thru		er): Meter		
		MCF	PD; Tested thru EST SHUT-IN P	(Orifice or Meto	Meter Stabilize	GOR	



FLOW TEST NO. 2

Commenced at fliour, d.	.1.) + +		Zone producing (Upper of Lower):		
TIME . (hour, data)	LAPSED TIME	Upper Completion	SSURE Lawer Completion	. PROD. ZOHE TEMP,	. REMANKS
			Law companion		
	ļ				
)		
•					
Production 121e d	uring test				
Oil:	ВОРГ	D based on	Bbls, in	Ilours.	Grav GOR
G25:		MCFI	PD: Tested thru	(Orifice or Meter)	
•					
.1					
				opicte to the best	of my knowledge.
Approved			_19O	perator Sout	hern Union Exploration
New Mexico Oil	l Conscivation Di	ivision	By	Sun	1 Akudgins
Original Signed by CHARLES GHOLSON				0	nician
•	OIL & GAS INSPE	CTOR, DIST. ≰83	D:	nte10-1	9-90

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test thall 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 thall also be commenced on all multiple completions within seven days following recompletion and/or themical or feature treatment, and whenever tentedial 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 imspected or when requested by the Division.
- 2. 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 to notified.
- 3. The picker leakage test shall commence when both sones of the dual completion are shut-in for pressure mabilization. Both sones 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 Now Test No. 1, one rone of the dual completion shall be produced at the normal rate of production while the other rone remains thursin. 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. Hotes If, on an initial packer leakage sent, 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 flow less tho, 1, the well shall again be show in, in accordance with Paragraph 3 above.
- Flow Tent'No. 2 shall be conducted even though no leak was ladicated during flow Tent No. 1. Procedure for How Tent Ho. 2 is to be the same as for flow Tent No. 1 except

- that the previously produced zone shall temain shou-in while the zone which was previously shou-in it produced.
- 7. Pressures for pas-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 fitteen-minute intervals during the first hour thereof, and as hourly intervals thereofied, flobuling one pressure measurement immediately prior to the conclusion of each flow period. 2-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 rests; 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 has 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 aone.

1. The results of the above described sent shall be filed in triplicate within 19 days after completion of the test, Tests shall be filed with the Assec District Office of the Hew Mexico Oil Conservation Division on Morthwest New Mexico Packer Leakage Test from Revised 10.01-74 with all deadweight pressures Indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR foil zones only).