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 <u>SER</u>	_	tor: Petrole			Natio	n 29	Well No.	6	·	
cation Well: Unit	L Se c29	Twp27 No	orth Rge	19 West		County	San	Juan		
	NAME OF RESERVOIR OR POOL			TYPE OF PROD. (Oli or Gas)		METHOD OF PROD. (Flow or Art. Lift)		PROD. MEDIUM (Tbg. or Ceg.)		
ipper apletion Big C	an Penn R	osutiful Mtn	Oil Cas	£ 1.1 ± m	T'	n Aboudou				
Big Gap Penn. Beautiful Mtn. ower nposition Mississippian - Beautiful Mtn.			Inert ga	Inert gasses		Flow				
INLEST	ssippian -		OW SHUT-IN I			W		Tubing		
Hour, date	shut-in	Length of time sh		ISI press, psig	774171	Sta	bilized? (Ye	s or No		
pper Stays shut-in		Unknow	Unknown 6 mos. +					yes		
Hour, date shut-in			Length of time shut-in		Si press. psig		Stabilized? (Yes or No)			
		39 days	3	1775	1775		yes			
			FLOW TEST	NO. 1						
menced at (hour, de	d at (hour, data) * 9:30 AM 8/19/85			Zone produ		icing (Upper or Lower):		Lower		
TIME (hour, date)	LAPSED TIME SINCE*	Upper Completion	SURE Lower Completion	PROD. ZONE TEMP.		REMARKS				
:30 A 8/2	23	160	1182	ļ		Producing	some	water b	y sl	
" 8/2	7 1	160	725			11	**	11 11	1	
" 8/2	119	14C	680	_		11	11	31 II		
						Shut-in du				
						valve cut	out.			
 .										
luction rate d	uring test	4	<u> </u>	<u>. i </u>					-	
None BOPD b		D based on	ased on Bbls. in		Hours	Grav	·	GOR _		
Avg. 6	1	MCF	PD; Tested thru	(Orifice or	Meter):	Meter ru	<u>n</u>			
d not run	•	MID-17	EST SHUT-IN P	RESSURE D	ATA					
per per detion			of time shut-in		SI press. paig		Stabilized? (Yes or No)			
Hour, date shut-in		Length of time shu	Length of time shut-in		SI press sig Stap			PINE		
						10) Is to	5	AFU		
						SEP	05 19	<u>ا</u> 85	7	

(Continue on reverse side)

DIST. 3

FLOW TEST NO. 2

Zone producing (Upper or Lower): Upper

TIME	LAPSED TIME SINCE **	PRESSURE					
(hour, date)		Upper Completion	Lower Completion	PROD. ZONE YEMP.	REMARKS		
					Zone is open to annulus.		
					Zone is open to annulus. Remains shut-in.		
					;		
					the comment of the control of the co		
					•		
				· · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •		
	<u></u>						
Production rate d	uring test						
Oil:	B⊖pr) based on	DLI :				
					Grav GOR		
G2s:		MCFP	D: Tested thru (Orifice or Meter	·):		
Kemarks: We	ell makes vai	riable amount	<u>s et water w</u>	vith inert	gasses. To keep well shut-in		
until remedia	al work is a	ccomplished.	Water is in	evence to	200 bad		
hereby certify th	at the informatio	n herein containe	d is true and com	plete to the bes	et of my knowledge.		
Approved	S	EP - 5 198	5	Opera	ating for Petroleum Energy Co.		
	l Conservation Di	ivision			Inc.		
			By	John .	m Heller		
	Original Signed by	CHARLES GHOLSOI	N / J	John M. Hel	ller		
Зу	DEDUCE OF			c Consultin	ng Engineer for SERH, Inc.		
Title	DEPUTY OIL G	GAS INSPECTOR, C	OIST #3	P. O. Box	1507, Durango, Colo. 81302		
			Dat	c September	4, 1985		

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 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 nave been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

Commenced at (hour, 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 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.
- Following completion of Flow Test No. 1, the well shall again be shut-in. in accordance with Paragraph 3 above.
- 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 excess

- that the previously produced zone shall remain shut-in while the zone which was previously shur-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 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 ques-
- 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 Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico 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 zone; only).