Well

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

perator BHP	(Americas) I	nc.	Le	ase O. H	I. Randel	No1		
Location	t I Sec	9 <b>Tw</b> p. 26N	Røe	. 11W	Coun	tv San Iuan		
of Merr: Our	CSec	<u> </u>	Type of Prod.	Metho	d of Prod.	Prod. Medium		
	Name of Reser	voir or Pool		(Flow o	r Art. Lift)	(Tbg. or Csg.)		
pper			0:1	, n	•	m 1.		
Completion Gallegos Gallup			011	Oil Pumping		Tubing		
Completion Basin Dakota			Gas	Gas Flowing		Tubing		
			LOW SHUT-IN PRE	SSURE DAT	A			
Jpper Hour, date Length of				of SI pres		Stabilized? (Yes or No) NO		
		of SI pre		ess. 277	Stabilized?			
			it-in 2 Days	Days psig		(Yes or No) NO		
	7.		FLOW TEST NO		producing (Un	per or Lower):		
Commenced at Time	(hour, date)		ssure	Prod. Zon		per or hower).		
(hour, date)_			Lower Compl.	Temp.		emarks		
						0.7		
3-3-86	l Day	132	272		Both Zone	es SI		
3-4-86	2 Days	178	277		Both Zone	Both Zones SI		
	·				Gallup SI			
3-5-86	3 Days	220	215		Dakota Pr Gallup SI	_		
3-6-86	4 Days	245	210		Dakota Pr			
					Gallup Sl	[		
3-7-86	5 Days	250	210		<u> </u>	oducing		
Production ra	te during te	st						
Oil:	BOPD b	ased on	Bbls. in thru (Orifice of	Hoton)	drsG	ravGOR		
Gas: 170		MCFPD; lested -/MID	TEST SHUT-IN PR	ESSURE DAT	rA			
Jpper Hour, d	ate	Length		SI pr	ress.	Stabilized?		
Compl Shut-	in		ut-in			(Yes or No) Stabilized?		
			Length of time shut-in		ress. ig	(Yes or No)		
JOMPT SHEET	.111	1 011110 011	FLOW TEST N	0. 2				
Commenced at	(hour, date)	**				oper or Lower):		
Time	Lapsed time	Pre	Ssure Lower Compl.	Prod. Zone R		Remarks		
(hour, date)	since **	Opper Compr.	Fower Compre	TOMP				
					<b>B B a</b>	ALL'A, y		
	<del> </del>	<del> </del>						
·						- 64 11		
					MAR 1	71986		
		-						
	·				, or co	OIL CON. DIV.		
					, Disi	). J		
Production ra	te during te	est	<u></u>					
	2000 1		Bbls. in_	Hr	sGra	v. GOR		
Gas:		_MCFPD; Teste	d thru (Orifice	or Meter	):			
REMARKS:				_				
TEMPSTERM -								
-		1-6	barreir contrina	d in two	and complete	to the best of my		
	tify that the	intormatiton		•				
knowledge.	MAD 17	1006	Operat	or BHP	Petroleum (An	mericas) Inc.		
Approved: MAR 17 1986  New Mexico Oil Conservation Commission  New Mexico Oil Conservation Commission								
New Mexico	Oil Conservatinal Signed by CHA	tion Commissio	on By	By Paul Bertoglio Paul Bertoglio				
By	nai Signea by Clik		Title_		oleum Engineer	<u>r</u>		
	11414	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	<b>T</b> . 1.	Date 3-13-86				
Title DEP	'UTY OIL & GAS IN	ŠPFČTÔŘ DÍŠT 23	Date_	3-13	00			

## MORTHWEST 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 witch seven days following recompletion and/or chemical or fracture Evaluation, and whenever remedial work has been done on a well during which the packet 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 tack of a pipeline connection the flow period shall be three hours.
- 5. Following completion of Flow Test No. 1, the well shall again be shutin, in accordance with Paragraph 3 above.
- 6. Flow Test No. 2 shall be conducted even though no lenk 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.

Tressure, psi

- 7. Pressures for gas-sone tests must be measured on each zone with a cadesiant pressure gauge at time intervals as follows: 3-hour tests: immediately prior to the beginning of each flow-period, at fifteen-minute tolerons during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conficusion of each flow period. 7-day tests: immediately prior to the Pressurating of each flow period, at least one time during each flow period of approximately the midway point) and immediately prior to the concussion of each flow period. Other pressures may be taken as desired, or the requested on wells which have previously shown questionable test data.
- A4-hour oil zone teats; 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 or required above being taken on the gas zone.
- o. The results of the above-described tests shall be filed in triplicate within 15 of after completion of the test. Tests shall be filed with the Addordard corrict Office of the New Mexico Oil Conservation Commission on Sorthwest of Sexico Packer Loakage Test Form Revised II-1-58, with all deadweight consumers indicated thereon as well as the flowing temperatures igns zoo. The data gravity and GOR (oil zones only). A pressure versus time duty of the data gravity and GOR (oil zones only). A pressure versus time duty of the data processor of each test shall be constructed on the reverse which are the constructed on the reverse table of the leakage Test Form with all deadweight pressure points taken that the pressure changes which may be reflected by the recording kanke charter of the pressure changes should also be tabulated on the irout the test of loakage Test Form.

1		N		A			(2,12,73,23,33,74,74
				Lini ni ni ni			
		<b>                                     </b>					
				Triburtes Libers			
		<u> </u>					
			LEITER CONTRACTOR				
			This is a second of the second				
300							
-							
				i ali i a di a di a di a di a di a di a			
250						3	
-							
				The second secon			
					R ====================================		
200							
- 1							
150			<u></u>				
				The fifty day for a fallendament.			
ĺ	<b>(</b>						
ŀ			and the second s				
100		) - 6all	ωρ sto-				
ŀ							
				terries constitution at t			
1	} <del>                                     </del>	┆ <del>┆</del> ┼╬╬╬╬╬╬╬╬			1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
[							
50							
I							
			in in the second				
ŀ			**************************************				
· ·					The second secon		
_			***************************************				