# STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

### OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is red to be used for reporting packer leakage tests in Southeast New Mexico

### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

perator	MOBIL	PRODUCING	TX. & N.M.	INC. Lease _	JICARILLA	G	No2
	nit A	Sec. 25	Twp. 27 1	N Rge		County	RIO ARRIBA
Wen. U		NAME OF RESERVO		TYPE OF P	ROD.	METHOD OF PROD. (Flow or Art. LIII)	PROD. MEDIUM (Tog. or Cog.)
Upper	TAP	ACITO PICTU		GAS		S.I.	CSG.
BLANCO MESA VERDE		GAS			TBG.		
mpietion			PRE-FI	.ow shut-in p	RESSURE DATA		
- lui	our, date shi	ut-in			SI press. psig	Stab	lized? (Yes or No)
Upper mpletion		/17/69	20 \	YEARS .		#	YES
- 1	out, date shi		Length of time st	nut-in AYS	Si press. psig	Stab	YES
				FLOW TEST	NO. 1		
nymenced a	t (hour, date	<b>11/08/89</b>			Zone producing (U	pper or Lowert LOW	ER
TIME LAPSED TIME PRESSUR		SSURE Lower Completion	PROD. ZONE		SHUT - IN REMARKS		
11/09		SINCE*	Upper Completion 69#	340#	DATE	11/06/89	11/07/89
11/10		2 DAY	70#	340#	UPPER	:: : 11 69#7	69#
					LOWER	706#	730#
			<del> </del>				
						DE	CEIVED
roductio	n rate di	uring test		•.		W NC	V1 5 1989
)il:		BOI		Bbls.			CON. DIV.
G25:				CFPD; Tested the			
Upper	Hour, date s	hut-in	Length of time		SI press. psig	Sta	bilized? (Yes or No)
Completion   Hour, date shul-in   Length of time shul-in				St press, psig Stabilized? (Yes or No)			

#### FLOW TEST NO. 2

Zone producing (Upper or Lower):

TIME	LAPSED TIME SINCE **	PRESSURE		1		
(frour, date)		Upper Completion	Lower Completion	PROD. ZONE TEMP.	REMARKS	
		1. • • . • •			of the product of the second o	
		-				
<del></del>						
Production rate di		ر المساور المس المساور المساور المساو			- · · · ·	
J25:		MCFP	D: Tested thru (	Deities - N	Grav GOR	
lemarks:				-	· • • • • • • • • • • • • • • • • • • •	
The state of the s	ere e	· compared to the second		And the second	the second secon	
hereby certify tha	t the information	herein contained	d is true and comp	plete to the best	of my knowledge.	
New Mexico Oil	Conservation Div	vision	. 19 Ope	MOB:	IL EXP. & PROD. U.S. INC.	
y	i Comen	· 1	Ву	, _		
			Title			
ide <u><b>DEPUTY</b></u>	OIL & GAS INSI NOV 27 1989	PECTOR	Date		3/89	

### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

I. A packer lexisage ten 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 term 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 rubing have been dimurbed. Testi shall also be taken at any time that communication is suspected or when requested by the Division.

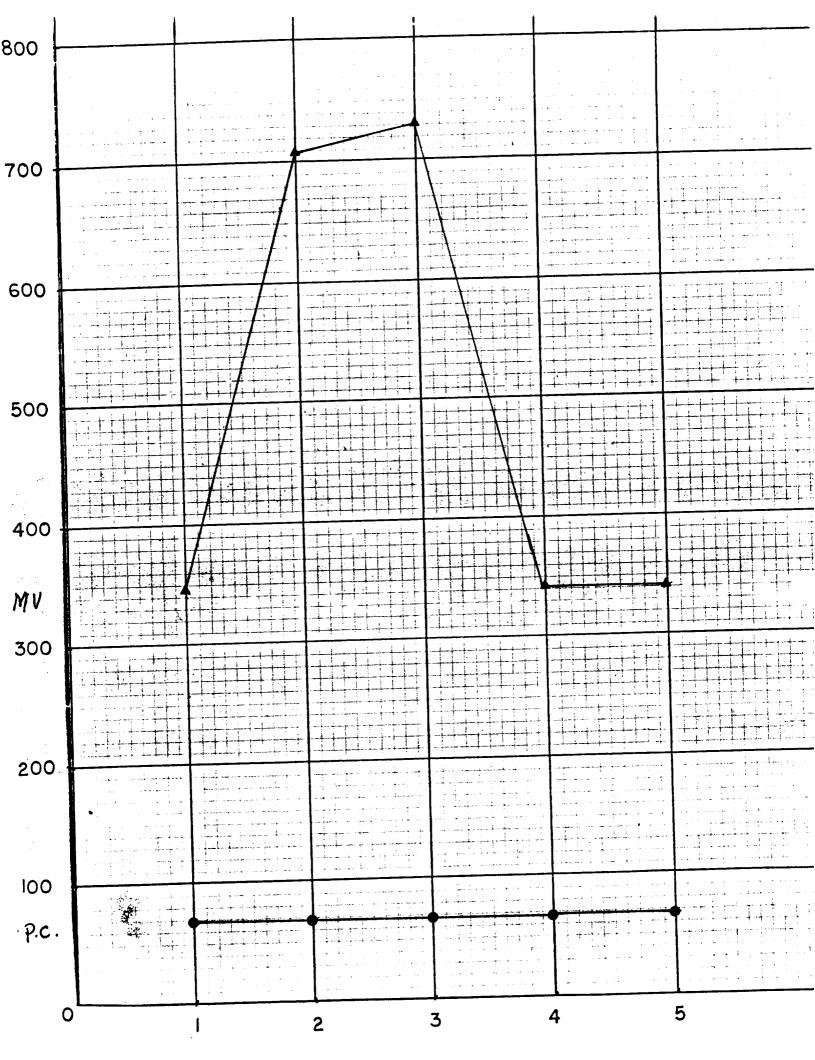
Commenced at (hour, date) \*\*

- 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 so notified.
- 3 The packet lexisage 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 packet leakage test, a gas well is being flowed to the authorphiese due to the lack of a pipeune connection the flow period shall be three hours.
- 3. Following completion of Flow Ten No. 1, the well shall again be shut-in, to accordance with Paragraph 3 shows.
- 6. Fire Test'No. 2 shall be conducted even though no leak was indicated during Flow. Test No. 1, Prizzedute for Fire Test No. 2 is to be the same at for Fire 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 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 fureen-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 pount) 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 sone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be theread 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 filled in triplicate within 13 days after completion of the test. Tests shall be filled with the Astree District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packet Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas sones only) and gravity and GOR (oil sones only).



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 Southeest New Mexico

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

MOR	TT PRODUCING	TX. & N.M.	INC. Ji	carilla G	No	eil <u>2</u>	
erat0f					County _R	io Arriba	
Well: Unit A		wp27 N	TYPE OF PRO	00. ME	THOD OF PROD.	PROD. MEDIUM (Tbg. or Cag.)	
lpper	NAME OF RESERVOIS		Gas	s. I		Tbg.	
Gavila	n Pictured C	IIIIS	Gas	Flov	<b>V</b>	Tbg.	
Blanco	Mesa Verde	DDE ELO	W SHUT-IN PR	ESSURE DATA			
		Length of time shut		SI press. psig	Staniize	d? (Yes or No)	
Hour, date 3		21 Years	,	50#	Y	Yes	
Hour, date s	7-90	Length of time shu	t-tn ·	SI press. psig	Į.		
notion $4-1$		24 Days		650#	<u>_</u>	es	
	_		FLOW TEST	NO. 1	per or Lowert LOWER		
umenced at (hour, da	ıı•ı <b>*</b> 4−28−90						
TIME	LAPSED TIME		SURE Lower Completion	PROD. ZONE		REMARKS	
Mour, date) 4-29-90	since*	Upper Completion	317#	Date	4-28-90	A 4-27-90	
4-30-90	2 Day	50#	308#	Upper	50#	50#	
				Lower	650#	650#	
Production rate	during test					GOR	
0.7	BC	PD based on	Bbls.	in Hou	irs Grav.	GOR	
		мо	CFPD; Tested th	iru (Orifice or Me	ter): <u>METER</u>		
G25:				PRESSURE DAT	'Α	Dilled? (Yes or No)	
Hour, G	ate shul-in	Length at time		SI press, psig	3.00		
Completion  Hour, date shul-in Length of time st			shul-in	SI press. psiq	Sta	pulized? (Yes or Mo)	
Lawer Completion	· ·			<u> </u>	MERE	AFIN	
I						- · W	
					MAY1 0	1991	
	,				MMIT	· NIV ·	
				_	OIL COL	A DIAC.	
			(Continue	on reverse side)	0.57	Ţ <b>3</b>	

#### FLOW TEST NO. 2

Commenced at (hour, d.	ataj ##		Zone producing (Upper or Lowerz				
TIME	LAPSED TIME SINCE ##	PRESSURE					
(hour, date)		Upper Completion	Lower Completion	PROD. ZONE TEMP.	REMARKE .		
		·. · · ·					
			1	i : !			
		•					
Production rate	iwing test						
Oil:	ВОР	D based on	Bbis. in	Hours.	Grav GOR		
G25:		MCF	PD: Tested thru	(Orifice or Meter)	):		
	<del></del>		- · · · · · · · · · · · · · · · · · · ·				
<del></del>			<del> </del>				
I hereby certify the	hat the informati	on herein contain	ed is true and co	mplete to the bes	t of my knowledge.		
Approved	MAY 1 U	1991			IL EMP. & PROD. U.S. INC.		
			E	iy	Hoyd		
By	ginal Signed by CHA	IRLES GHOLSON		ide PRODU	CTION TECH. I		
TitleDEP	UTY OIL & GAS INS	PECTOR, DIST. #3		)ate			
					re room		

#### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage ten 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 term shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever temedial work has been done on a well during which the packer or the rubing have been dimuted. Term shall also be taken at any time that communication is suspected or when requested by the Division.
- 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.
- 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 riabilized, 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 shur-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 in being flowed to the aumosphere due to the lack of a pipetine connection the flow period shall be three hours.
- 3. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 shows.
- 6. Flow Test'No. 2 shall be conducted even though no leak was indicated during Flow Ten No. 1, Printedute 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 term must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours term: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour theteof, and at houriv intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period, 7-day term: 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 teru: all pressures, throughout the entire tern, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be therized at least revice, once at the beginning and once at the end of each tern, 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 triplease within 15 days after completion of the test. Tests shall be filed with the Aster Dutset Office of the New Messeo Oil Conservation Division on Northwest New Messeo Passet Leasage Test Form Revised 10-01-78 with all desidweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR [oil zones only).

