1990

# STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

#### OIL CONSERVATION DIVISION

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be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

erator	IL PRODUCIN	G TX. & N.M.	INC.	Jicarilla D	NN	7cil 8	
i	Sec3	Two. 26 N	Rge	03 W	County _	Rio Arriba	
	NAME OF RESERVO		TYPE OF P	ROD. M	ETHOD OF PROD. (Flow or Art. Lift)	PROD, MEDIUM (Tbg. or Cag.)	
Upper Gavilan Pictured Cliffs			Gas Flow		w	Tbg.	
Dompietion Blanco Mesa Verde			Gas F1		w	Tbg.	
		PRE-FLO	W SHUT-IN P	RESSURE DATA			
Hour, date sn	nul-in	Length of time shut-	ın	Si press, psig		Stabilized? (Yes or No)	
npiellon 10:00		36 Days	, 450#		Ye		
Hour, date st		Length of time shut-	in .	Si press, paig	Į	ed? (Yes or No)	
pretton 10:00	1-1-90	36 Days	· · · · · · · · · · · · · · · · · · ·	50#	Ye	S	
<del> </del>	.0.00		FLOW TEST		per or Lowert: LOWER		
menced at (hour, date	• <b>)</b> *2-9-90	Dece	106	Zone producing (Up	sper or Lowert LOWER		
TIME LAPSED TIME		Upper Completion	PRESSURE Upper Completion Lower Completion		REMARKS		
2-10-90	1 Day	410#	50#	Date	2-7-90	2-8-90	
2-11-90	2 D-ay	· . 350#	50#	Upper	450#	450#	
				Lower	50#	50#	
					4	4	
oduction rate d	uring test			<u>,,                                   </u>			
il:	BOI	PD based on	Bbls. i	n Hour	5 Grav.	GOR	
25:		MCFI	PD: Tested thr	u (Orifice or Mere	r): METER		
				RESSURE DATA			
	shul-in	Length of time shu	<del></del>	Si press, paig		zed? (Yes or No)	
Voest Hour, date :	Completion  Lower Completion			7	1		

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OIL CON. DIV. DIST. 3

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menced at (hout, da	(14) 千市			Zone producing (Upp	er or Lowert	
TIME	LAPSED TIME	PRES.	Lower Completion	PAGD. ZONE TEMP.	REMARKS -	
(hour, date)	JINUS				F1000	•
. <del> </del>						
				-		
			] [		:	
					<u>:</u>	
		1				
	ВО				Grav GC	OR
s:		MC	FPD: Tested thru	(Ordice of Mete	r):	
marks:						
d	MAY 1	1991			est of my knowledge.  DBIL EXP. & PROD. U.S.	INC.
New Mexico	Oil Conservation	Division	<del>.</del>	Ву	E Hoyd	
Original Signed by CHARLES GHOLSON				Title PROI	OUCTION TECH. I	
	ITTY ON R GAS IN	SPECTOR, DIST. #3		Date		

### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

FILE COPY

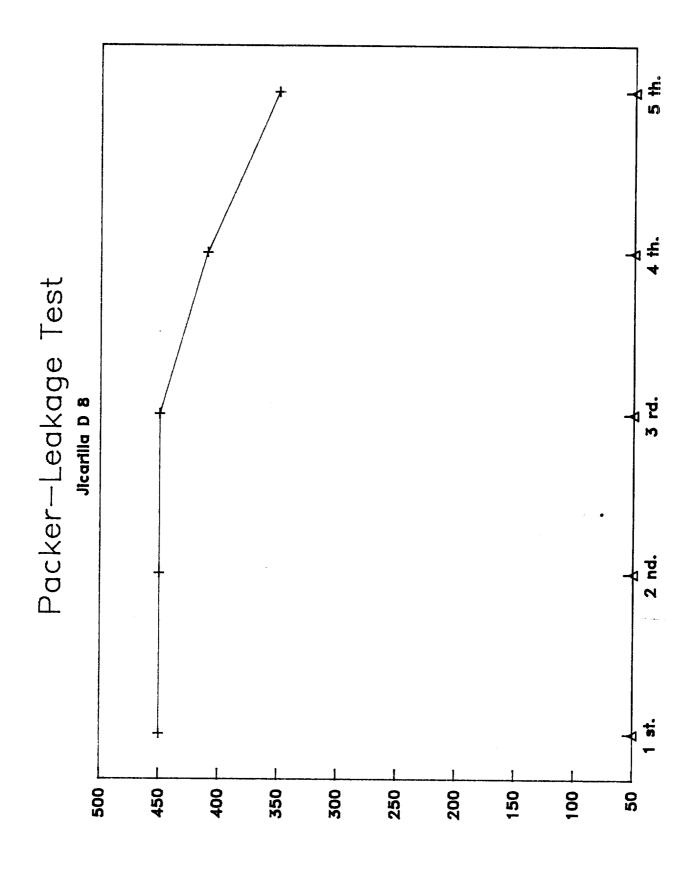
- 1. A packer lexisage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever temedial work has been done on a well during which the packer or the rubing have been dimurbed. 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 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 thurs in or 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 automphere due to the lack of a pipeline 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. Firm Test'No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1, Pricedure 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 tests: immediately prior to the beginning of each flow-period, at furteen-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 questionable test data.

24-hour oil zone tens; all pressures, throughout the entire tent, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least tweet, once at the beginning and once at the end of each tent, 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 Azter District Office of the New Mesico Oil Conservation Dissison on Northwest New Mesico Parker Lesiage 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 zones only).



# STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

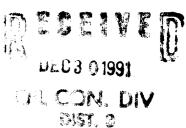
### OIL CONSERVATION DIVISION

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This form is not to be used for reporting packer leakage tests in Southeast New Mexico

### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator	MO	BIL PRODUCIN	G TX. & N.M.	INC. Lease _	Jicarilla	a D		We No.	O	
Location of Well: \	tion A Sec. 23 Twp. 26N				RgeO3W		CountyRio Aribba			
NAME OF RESERVOIR OR POOL			TYPE OF P (Oll or G	<b>.</b>		THOD OF PROD Flow or Art. Lift)	). PROD. MEDIUM (Tbg. or Cag.)			
Upper Completion Gavilan Pictured Cliffs				Gas		Flow		ТВС		
Completion Blanco Mesa Verde			Gas	Gas Flow		W		TRG		
			PRE-FLO	OW SHUT-IN P	RESSURE DA	ATA				
Upper	Hour, date si	hut-in	Length of time shu		SI press. psig Stabilized? (Yes or No)				(Yes or No)	
Completion	1-1-9	90	1 yr. 11 Length of time shu	mo	450#				Yes or No)	
Lower	Hour, date si				SI press. psig			Stabilized?	(Yes or No)	
Completion	1-1-9	90	<u>l l yr. 11</u>	mo.	50#_			lуе	98	
				FLOW TEST			· ·			
Consmenced	at (hour, dat	•i* 12-13-91			Zone producing (Upper or Lower):			OWER.		
TIME (hour, date)		LAPSED TIME SINCE*	Upper Completion	Lower Completion	PROD. ZONE	PROD. ZONE TEMP.		REMARKS		
12-13		5 min.	450#	50#			Bloged b	w hand	in.	
12-13	3-91	10 min.	• . 385#	50#			well will not		e C#	
12-13	3-91	15 min	299#	-50#		buck line pressure:			i impiri	
					The Size Actions and a section					
12-13	3-91	20 min_	299#	50#					/	
Productio	on rate di	uring test								
Oil:BOPD based onBbls. inHoursGravGOR										
Gas: MCFPD; Tested thru (Orifice or Meter):METER										
MID-TEST SHUT-IN PRESSURE DATA										
Upper Completion Length of time shut-in			140	SI press. psig	sig Stabilized? (Yes or No)		(Yes or No)			
Lower Completion Length of time shul-in			Idn	Si press. psig	1.		Stabilized?	(Yes or No)		



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#### FLOW TEST NO. 2

Commenced at (hour, date)本本				Zone producing (Upper or Lower):			
TIME	LAPSED TIME		SSURE	PROD. ZONE	REMARKS		
(hour, date)	SINCE TT	Upper Completion	Lower Completion	TEMP.	The second of th		
Production rate	during test				•		
Oil:	BOF	D based on	Bbls. in	Hours.	Grav GOR		
G25:		мсг	PD: Tested thru	(Orifice or Meter)	):		
Remarks:	· · · · · · · · · · · · · · · · · · ·				,		
			·				
I hereby certify	that the informat	ion herein contain	ed is true and co	mplete to the best	t of my knowledge.		
Approved	DEC 30	1991			IL EXP. & PROD. U.S. INC.		
New Mexico (	Oil Conservation ]	Division	E	Ву	Hoy &		
By	inal Signed by CHA	ARLES GHOLSON	Т	ide PRODU	CTION TECH. I		
DEPUTY OIL & GAS INSPECTOR, DIST. #3				)ara	e e e e e e e e e e e e e e e e e e e		

#### 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 temedial 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 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.
- 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 packet 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.
- 3. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 6. Flow Terr'No. 2 shall be conducted even though no leak was indicated during Flow Ten No. 1. Pricedure for Firm Ten No. 2 is to be the same at for Flow Ten 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 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 questionable test data.
- 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 theeked 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 13 days after completion of the test. Tests shall be filed with the Axtec 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 zones only).

