## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

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

> Page 1 Revised 11/16/98

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Opera	ator <u>DEVON E</u>	NERGY	_Lease Name	NORTH E	^ .AՏ՝	PLANCE UNIT	Well No_304		
Location of	Well:Unit Letter	Sec30	_Twp <u>31-N</u>	Rge <u>6</u>	-W	_API # <u>30-039-24</u> -	163		
	NAME OF RESE	1	TYPE OF PROD. (Oil or Gas)		METHOD OF PROD. (Flow or Art. Lift)	PROD.MEDIUM (Tbg. or Csg.)			
Upper Completion	PICTURE CLIFF		GAS	GAS		DW .	TUBING		
Lower Completion	DAKOTA		GAS	GAS		DW .	TUBING		
		PRE-F	LOW SHUT-II	N PRESSUR	RE D	ATA			
Upper	Hour, date shut-in		Length of time s	Length of time shut-in		ress. Psig	Stabilized? (Yes or No)		
Completion	Opper		19 DAYS		525 PSIG		YES		
Lower	Hour, date shut-in		Length of time s	Length of time shut-in		ress. Psig	Stabilized? (Yes or No)		
Completion	1100 HR 8/27/01		13 DAYS	13 DAYS		PSIG	YES		
			FLOW TE	ST NO. 1					
Commenced at	(hour, date)* 0900 8/1	0/01		Zone producing	g (Upp	er or Lower): LOWER			
TIME (hour,date)	LAPSED TIME SINCE*	PRESS Upper Completion	SURE Lower Completion	PROD. ZON TEMP.	E	REMARKS			
0900 9/10/01	0 HRS	525	650			Open Dakota up to sales @ 240 MCFPD			
0900 9/11/01	24 HRS	529	308			Dakota flowing to sales @ 145 MCFPD			
0900 9/12/01	48 HRS	533	319			Dakota flowing to sales @ 128 MCFPD			
0900 9/13/01	72 HRS	537	304			Dakota flowing to sales @ 112 MCFPD			
Production r	ate during test								
Oil:	il:BOPD based onBbls. inHoursGravGOF								
Gas:	as:MCFPD; Tested thru (Orifice or Meter): METER								
		MID-1	TEST SHUT-IN	PRESSUR	E D	ATA			
Upper Completion	Hour, date shut-in		Length of time shut-in		ress psig	Stabilized? (Yes or No)			
Lower Completion	Hour, date shut-in	ut-in Length of ti		shut-in		ress. psig	Stabilized? (Yes or No)		

## **FLOW TEST NO. 2**

Commenced	l at (hour, date)*	*		Zone producing (Upper or Lowr):					
TIME (hour,date)	LAPSED TIME PRESSU Upper Completion			PROD. ZONE	REMARKS				
	-								
Production ra	ate during test								
Oil: Gas:	il:BOPD based onBbls. inHoursGravGOR as:MCFPD:Tested thru (Orfice or Meter):								
Remarks:									
I hereby certi	fy that the infor	mation herein co	ontained is true a	and complete to th	e best of my knowledge.				
				Operator: Devon Energy					
New Mexico Oil Conservation Division  By				By: Kyle Beebe					
SAME AND AN OHIGHER I. LABOUR.				itle: Field Administrator					
*******				ie. <u>I ielu Administrator</u>					
Title \$ SAS IRSPECTOR, DIST.				Date: 9/19/01					

## 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 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 packer leakage test, a gas well is being flowed to the atmosphere due to the lack
- 5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

of a pipeline connection the flow period shall be three hours.

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 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 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 date.

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 result s 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 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).