## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

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

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator		bace. !	Palin		Lease	Montay	<b>0</b>	Well No.	25-100	
Location of Well: Unit	$\Box$	Sec. <u>25</u>	Twp2	211	Rge	RAY W	Cor	unty <u>San</u>	Juan	
	name of reservoir or pool				TYPE OF P	ROD.	METHOD OF PROD. (Flow or Art. Lift)		PROD. MEDIUM (Tbg. or Csg.)	
Upper Completion	Mesa Jeide				<u>Ô</u> .	)	Flows		TBG	
Lower Completion	Daksta				3.4		1 3 . 3		TBG	
			PRI	-FLOW	SHUT-IN P	RESSURE DAT	ΓA			
Upper Completion 5-28-91 9:45 Am. Length of time shut-in Lower Completion 5-28-91 9:45 Am. Length of time shut-in Length of time shut-in 6-days					St press, paig  378 T?  St press, paig		378 cp	Stabilized? (Yes or No)		
Completion 5	ion 5-28-91 9:45 Am 6 da			ray)	388 TP			Yes		
					FLOW TEST					
Commenced at the	ur, dat	1 6-3-91	11:15Am.		-	Zone producing (Upper er Lower): 191			de	
TIME (hour, date)			Upper Complet	PRESSURE per Completion Lower Completion		PROD. ZONE TEMP.		REMAR	REMARKS	
	Jr-	45.5 HBS	68/360c	4	382 TP	62° F				
1	68919:00A. 118 HRS 76TP/2800		1	384 72	22.1 /		EGESTA H			
							E 1 4			
							E3 E3	JUL 0 5 19		
								٠ مه ه مجي		
Production ra	ate di	uring test								
Oil:		BOI	D based on _	<u> </u>	Bbls. is	n Ho	ours.	Grav	GOR	
Gas:	17	0				(Orifice or M	7			
			мі	D-TEST	r shut-in p	RESSURE DA	ГА			
	date s	6-10-91	Length of to	i		SI press. psig 7	570 cp.	Stabilized (Y	ζ	
Hour.	date s		1	ime shulfin		St press. paig	>	Stabilized		

FLOW TEST NO. 2 6-12-91 Commenced at (hour, date)\*\* 9 ,00A~ PRESSURE LAPSED TIME PROD. ZONE TIME REMARKS SINCE \*\* Upper Completion TEMP. Lower Completion (hour, date) 6-14-9 38 48 HRS 72. PLODA! 382 38° ga

De dession and design and					
Production rate during test					
Oil:BOPD	based on	Bbls. in	Hours	Grav	GOR
Gas:	MCFPI	): Tested thru (Oti	fice or Meter):	20008	
Remarks:		<del></del>	· · · · · · · · · · · · · · · · · · ·	<del> </del>	
					<del></del>
I hereby certify that the information	herein contained	is true and comple	ete to the best of a	ny knowledge.	
Approved JUL 0 5 199°		19 Opera	nor Hallwo	od Petroleum	Înc.
New Mexico Oil Conservation Div	rision	By _	Doug Elwa	other	
Original Signed by CHARL	es Gholson	Title	081	<b>v</b> ,	
Title DEPUTY OIL & GAS INSPEC	TOR, DIST. #3		6-24-	91	

## 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 recatment, 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.
- 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.
- 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.
- 5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 6 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 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 approxim-rely 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 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 tripicate 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 zones only).