### STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION

Page i Revised 10/01/78

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

# NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

								Well	
Operator	SOUTHLAND ROYALTY CO.			Lease	JOHNS			No.	1A
Location									
of Well:	Unit D Sect	19 Twp.	32N	Rge.	11W	County	,	SAN JUAN	<u> </u>
	NAME OF RE	ESERVOIR OR POOL		TY	PE OF PROD.	METHO	OD OF PROD.	PROD. N	MEDIUM
				(	Oil or Gas)	(Flo	w or Art. Lift)	(Tbg. or	Csg.)
Upper									
Completion	PICTURED CLIFFS	GAS		FLOW FLOW		TE	3 <b>G</b>		
Lower									
Completion	MESAVERDE	<u> </u>	GAS		FLOW		3G		
	<u>,                                      </u>	PRE-I	FLOW SHUT	IN PRE	SSURE DATA			- ·· · · · · · · · · · · · · · · · · ·	
Upper	Hour, date shut-in	Length of time shut-in		SI press	. psig		Stabilized? (Yes or No)		
Completion	6-2-95	7 DAY	S	505					
Lower									
Completion	6-2-95	5 DAY	S	455				<del></del>	
			FLOW TEST	NO. 1	_				
Commenced a	t (hour,date)* 6-7-9	15			Zone producing	(Upper o	r Lower)	LOWER	
ПМЕ	LAPSED TIME	PRESS	URE		PROD. ZONE				
(hour,date)	SINCE*	Upper Completion	Lower Compl	etion	TEMP		REMAR	KS	
5-Jun		500	442	2		<u> </u>			
6-Jun		502	447	7		<u> </u>			
			4 404	_					
7-Jun		505	459	)			-		
		543		_					
8-Jun		517	378	3	<b> </b>	ļ			
				_					
9-Jun		520	350	3		ļ			
					L	L			
Production i	rate during test								
	2022	m							
Oil:	BOPD based on	Bbis.	in	Hours.		Grav.		GOR _	
C		MOEDD T 11	··· (O.:E						
Gas:		MCFPD; Tested thr	u (Onnce or f	vieter):					
		) (TD	TEAT ALLEY	IN DD EC	MAIDE DATE				
.,	III	T	TEST SHUT-	· · · · · ·	SURE DATA				
Upper	Hour, date shut-in	Length of time shut-in		SI pres. psig			Stabilized? (Ye	s or No)	
Completion	Harris I and the state of	1 1 -6 c		CI.			0. 131: 40.55		
Lower	Hour, date shut-in	Length of time shut-in	SI press	. psig	Stabilized? (Yes or No)				

#### FLOW TEST NO. 2

Commenced at	t (hour.date)**			Zone producing (Upper or Lower):				
TIME	LAPSED TIME	PRI	ESSURE	PROD. ZONE				
hour.date)	SINCE**	Upper Completion	Lower Completion	TEMP.		REMARKS		
-				i				
		I						
					İ			
Production r	rate during test	·				-		
Oil:	BOPD based on Bbls. in		Bbls. in	Hours.	Grav.	GOR		
Gas:		MCFPD; Te	ested thru (Orifice or			- <del></del>		
Remarks:								
I hereby cer	tify that the informa	tion herein containe	d is true and comple	te to the best of my k	nowledge.			
Approved		Section 7	19	Operator	Southland	Royalty Co.		
•	į	1 444		<del></del>				
New Mexico Oil Conservation Pivision 9 1995				Ву	Tanya Atci	Tanya Atcitty		
		JUL 1 9 199	95					
Bv				Title	Operations	s Associate		
•	DEPLI	TY OIL & GAS INS	PECTOR					
Title	10010	TI OIL & UAS INS	LOTON	Date	7/12/95			

#### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after except that the previously produced zone shall remain shut-in while the zone which actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be connected on all multiple completions within seven days following recompletion and/or chemical or frac-ture 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.
- 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 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 if 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

- 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 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 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 gaz 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 Aztec District Office of the New Mexico Oil Conservation Division of 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