STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT This form is not to be used for reporting packer leakage tests in Southeast New Mexico

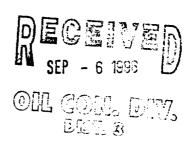
OIL CONSERVATION DIVISION

Page 1

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

•	MERIDIAN OIL INC.		Lease _8	IAN JUAN :	29-7 UN	IIT	Well No. 077A					
Location of Well:	Unit O Sect. 33	Twp. 029N	Rge. 0	07W Co	ounty 1	RIO ARRIBA	- <u></u>	•				
	NAME OF RESERVOIR OR POOL			T T		D OF PROD.	PROD MEDIUM]				
		(Oil	(Oil or Gas) (Flow		or Art. Lift)	(Tbg. or Csg.)						
Upper Completion	DAKOTA	GAS	GAS FLOW			TUBING						
Lower Completion	MESAVERDE	GAS	S FLOW			TUBING						
PRE-FLOW SHUT-IN PRESSURE DATA												
Upper Completion	Hour, date shut-in 8.5.96	Length of time shut-in	SI press. paig	30#	-	Stabilized? (Yes	s or No)					
Lower Completion	8.5.96	72 hes	36	351#								
12 1102 336												
Commenced at (hour,date)* Zone producing (Upper or Jower)												
TIME	LAPSED TIME	PRESSUR	E	PROD. ZON				1				
(hour,date)	SINCE*	Upper Completion Lowe	er Completion	TEMP	_	REM	IARKS					
8.8	72 hxs	430 3	356					The Higher pres				
3.9	96 has	430 3	296				-	The Higher pre- of both zores recds flowed				
8.14	216 hes	430 2	272					for test.				
						,		1				
	3.							4				
Production ra	ate during test			<u> </u>				J				
Oil:	BOPD based on	Bbls. <u>in</u>	Hours.		Grav		_GOR					
Gas: MCFPD; Tested thru (Orifice or Meter):												
MID-TEST SHUT-IN PRESSURE DATA												
Upper Completion	Hour, date shut-in	Length of time shut-in	SI press. psig			Stabilized? (Yes	or No)	1				
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	د د مید هیست را در		Stabilized? (Yes	,					
												

(Continue on reverse side)



_			FLOW IES						
	t (hour,date)**		<u>. </u>	Zone producing (Upper or sower):					
TIME LAPSED TIME		PRESSURE		PROD. ZONE					
(hour,date)	SINCE**	Upper Completion	Lower Completion	TEMP.	REMARKS				
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rioduction i	ate during test								
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Oil:	BOPD based on		Bbls. in	Hours	Grav GOR				
Gas:		MCFPD; Te	sted thru (Orifice or	Meter):					
Remarks:									
I hereby cert	tify that the informati	on herein contained	is true and complet	e to the best of my kn	nowledge				
	٥	n			1				
Approved	Υ		19	_ Operator / USA	LACTOR RESOURCES Since				
	- Chrone	- Minner	- 17	_ Operator y my	Unigen Woodello, Sent				
Nam Mani	Deputy Oil	& Gas Inspe	ctor	\mathcal{A}					
New Mex	co Oil Conservation	Division		By Kul	or sia				
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Title				Date	9-6-96				
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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
- 5. Following completion of flow Test No. 1, the well shall again be shut-in, in accordance with
- 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 : 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 snall 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 (oil zones only).