STATE OF NEW MEXICO

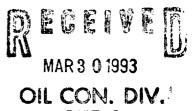
OIL CONSERVATION DIVISION

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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 Mc	indian	Oil Inc	i.e2se	SanJuan	27-4 Upith	ell o. 19						
Location of Well: Unit <u>A</u>	Sec. <u>5</u>	Twp. <u>37</u>	<u> </u>	40	County <u>R</u>	ic Arriba						
!	NAME OF RESERVO	HR OR POOL	TYPE OF P	1	METHOD OF PROD. (Flow or Art, Lift)	PROD. MEDIUM (Tog. or Cog.)						
Completion Pictured Cliffs			Gas		Flour	The						
Lower	averdo		Gas		Florit	Tha						
PRE-FLOW SHUT-IN PRESSURE DATA												
Upper (Cour, date si		Length of time shu	it-in	SI press. psig	,	Stabilized? (Yes or No)						
		Length of time and	JAYS	SI press. paig		Stabilized? (Yes or No)						
Lower	2-93	5	DAYS	(c)		ar (res or No)						
			FLOW TEST	NO. 1								
Commenced at (hour, date	01 3-17-6			Zone producing (U	pper or Lowerk LUK	break Liver						
TIME (hour, date)	LAPSED TIME SINCE*	Upper Completion	Lower Completion	PROD. ZONE TEMP.	R	REMARKS						
3-15-93		438	548									
3:16:93		439	581									
3-17-93		439	604									
3-18-93		439	493									
3-19-93		439	532									
Production rate di	uring test											
Oil:	ВОР	D based on	Bbls. in	ı Hou	rs Grav	GOR						
G25:		MCF	PD; Tested thru	(Orifice or Met	er):							
				RESSURE DATA								
Upper Hour, date si	Upper Hour, date shut-in Length of time shut-in			SI press. paig		Stabilized? (Yea or No)						
		Length of time shu	Length of time shul-in		Stabilize	Stabilized? (Yes or No)						



FLOW TEST NO. 2

mmenced at (hour, di	a(e) **	Zone producing (Upper er Lower):						
TIME LAPSED TIME		PRESSURE Upper Completion Lower Completi		PROD. ZO	-	REMAR	MARKS	
hour, date)	SINCE 7 T	Opper Companies		l				
<u> </u>				-				
roduction rate	during test							
)il:	BOI	PD based on	Bbls. ii	n	Hours.	Grav	GOR	
				. (• • • • • • • • • • • • • • • • • •	, ,			
.emarks:						· · · · · · · · · · · · · · · · · · ·		
		<u> </u>				<u></u>		
hereby certify	that the informa	tion herein contai	ned is true and c	omplete to	the best of my	knowledge.		
•					Meraia		Inc	
Approved							,	
	Oplaine Samuel L	. Marka dar er i stande er	···	Ву	SUSAN OPERATION	S ASSISTANT		
Original Signed by CHARLES CHOLSON				Tide	MAK	पु व्याप		
TitleTHE GAS INSPECTOR, DIST. #3				Date	STORES S			

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- I 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 distrutbed. 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 text, the operator shall notify the Division in writing of the exact tame the test is to be commenced. Offset operators shall also be so notified.
- 5 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 over 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 terms 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 questions.
- considerest 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 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 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).