## STATE OF NEW MEXICO ... ENERGY and MINERALS DEPARTMENT

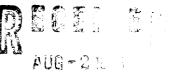
## OIL CONSERVATION DIVISION

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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

•	nidian	Oil Inc	Lease	Sans	Turn	We No	. 10		
Location of Well: Unit	Sec	_ Twp30/	<u> </u>		W	County S	antino		
NAME OF RESERVOIR OR POOL			= +.	TYPE OF PROD. (OR or Gee)		OF PROD. Art. Lift)	PROD. MEDIUM (Tog. or Ceg.)		
Completion Pictured Cliffs			Gas		Flow		Tha		
Completion Mesauerde			(ms	(7725		2115	72g		
PRE-FLOW SHUT-IN PRESSURE DATA									
Upper Hour, date sh	10-93	Length of time shu	140 DAYS	SI press. psig			Stabilized? (Yes or No)		
Lower Hour, date shut-in Length of time shut-in				SI press. psi	315	Stabilized	? (Yes or No)		
FLOW TEST NO. 1									
Consmenced at (hour, date)* 7-21-93				Zone producing (Upper or Lawer)			Lower		
TIME (hour, date)	LAPSED TIME SINCE#	PRES. Upper Completion	SURE Lower Completion		ZONE MP.	AE	MARKS		
7-19-93		210	315						
7-20-93		214	314						
7-21-93		217	315						
7-22-93		220	251			<del></del>			
7-23-93		220	264						
	<del></del>								
Production rate du	ring test						·		
Oil: BOPD based on			Bbls. is	Bbls. in Hours.		Grav GOR			
Gas: MCFPD; Tested thru (Orifice or Meter):									
MID-TEST SHUT-IN PRESSURE DATA									
Upper Completion Length of time shut		rt-in	SI press. psig		Stabilized? (Yes or No)				
Lower Completion Length of time		Length of time she	si-in Si press. (		is, paig Sta		? (Yes or No)		
<u> </u>				<u>.</u>		m a			



FLOW TEST NO. 2

Commenced at (hour, dat	(0) 中丰		Zone producing (Upp	er ar Lower):		
TIME (hour, date)	LAPSED TIME SINCE ##	PRESSURE		PROD. ZONE		
		Upper Completion	Lower Completion	TEMP.	REMARKS	
<del></del>				<del> </del>		
~~~~~						
				1		
Production rate di	uring test					
Oil:	: BOPD based on Bbls. in			Hours.	Grav GOR	
G25:	<del> </del>	мсғ	PD: Tested thru	(Orifice or Meter)	):	
Remarks:						
I hereby certify th	at the information	on herein contain	ed is true and co	mplete to the best	t of my knowledge.	
Approved	JUL 2 9 19	93			idian Oil Inc	
New Mexico Oi	Conservation D	)ivision	19 C	perator IIICI	Man OII II	
	_		В	·	SUSAN DOLAN	
By Origina	il Signed by CHAR	LES GHOLSON	т	ideOPEF	RATIONS ASSISTANT	
Tide DEPUTY	OIL & GAS INSPE	CTOR, DIST. 413		)ate	e groups	

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- A packer leakage test shall be commenced on each multiply completed well within seven dava 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 distributed. 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.
- 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 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.
- 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 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 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).