STATE OF NEW MEXICO ENERGY and MINERALS

OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Location	Meridian Oil, Inc.	Lease	Lease NORDHAUS			Well No. 2A				
of Well:	Unit C 5	Sect. 11	Twp.	031N	Daa	009W	Country		CAN II	LANI
	T	SERVOIR OR PO		00111	Rge.	PE OF PROD	County	DD OF PROD	SAN JU	MEDIUM
			.01			Dil or Gas)	1	w or Art. Lift)	(Tbg. or	-
Upper							(1.10.	or rue. Dire	(10g. 01	Csg.)
Completion	MESA VERD	GAS		FLOW		Т Т	BG			
Lower										
Completion	DAKOTA	GAS FLO			FLOW	OW TBG				
			PRE-	FLOW SHUT-	N PRES	SURE DATA				
Upper	Hour, date shut-in Length of time shut-in				SI press. psig			Stabilized? (Yes or No)		
Completion	7/12/95 5 DAYS				165					
Lower	7 (14 (17									
Completion	7/12/95				2503					
Commenced	t (hour data)*			FLOW TEST	NO. 1					
TIME	at (hour,date)*					Zone producing (Upper or Lower)			UPPER	
(hour,date)	SINCE*	LAPSED TIME PRESSURE				PROD. ZONE				
(noui,uate)	SINCE	Upper Com	pletion	Lower Complet	ion	TEMP		REMARK	S	
10-Jul		250)3	162						
11-Jul		250)3	164						
12-Jul		250)3	165						
13-Jul		250)3	165						
14-Jul		250)3	121						
Production ra	ate during test					l				J
Oil:	BOPD based on		Bbls. in				Grav.		GOR _	
Gas:		MCFPD; Te	ested thru	(Orifice or Met	er):					
			MID.	FECT CHITT IN	IDDESS	IDE DATA				
Upper	Hour, date shut-in	Length of time	MID-TEST SHUT-IN				P4-1-11-10 (77			
Completion	Hour, date shut-in Length of time shut-in		SI pres. psig			Stabilized? (Yes	or No)			
Lower	Hour, date shut-in	Length of time	Length of time shut-in			psig	Stabilized? (Yes or No)			

(Continue on reverse side)

FLOW TEST NO. 2

ommenced a	t (hour,date)**			Zone producing (Upper or Lower):				
TIME	LAPSED TIME	PRES	SURE	PROD. ZONE				
hour,date)	SINCE**	Upper Completion	Lower Completion	TEMP.	REMARKS			
	 							
Production	rate during test			1				
	-							
Oil:	BOPD based on Bbls. in			Hours.	GravGOR			
Gas:		MCFPD; T	ested thru (Orifice or	Meter):				
Remarks:								
I hereby ce	rtify that the informat	ion herein contained i	s true and complete to	the best of my knowle	dge.			
	The costs where the same company	The part of the second	Delar ver u g	0	Meridian Oil, Inc.			
Approved	- January Marie	y (h) Andrew Transportation	_ 19	Operator	WEIGHAN ON, INC.			
Manu Ma	: 1		47. A. C.	By	Dolores Diaz			
New Me	xico Oil Conscruațion	N'I'' 7 1996		Бу	DOIGIOO DIAL			
Ву			Nac year	Title	Operations Associate			
Бy	1374.IV C	1. 8 1.48 #10000						
Title		The second secon		Date	12/29/95			

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after 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

- 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 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 Aziec 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).