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

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NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

									Well	
Operator	Meridian Oil Inc.				Lease	San Juan 27-5	Unit		No. 41	
Location										_
of Well:	Unit K	Sec. 21	l Twp.	027N	Rge.	005W	County	•	Rio Arriba	
NAME OF RESERVOIR OR POOL					TY	PE OF PROD.	METH	OD OF PROD.	PROD. MEDIUM	7
					1	(Oil or Gas)	(F)	ow or Art. Lift)	(Tbg. or Csg.)	
Upper										1
Completion	Pictured Cliffs					Gas		Flow	Tbg	
Lower		-			1					7
Completion	Mesaverde					Gas	ļ	Flow	Tbg	1
			PRE-	FLOW SHUT-	IN PRE	SSURE DATA				
Upper	Hour, date shut-in	Length o	of time shut-in	· · · · · · · · · · · · · · · · · · ·	SI press			Stabilized? (Ye	e or No)	7
Completion	4-15-94		5 day	\$		358	1	(,	
Lower										-
Completion	4-15-94	ľ	5 day	s		603	1			
				FLOW TEST	NO. 1	<u></u>		<u> </u>		
Commenced a	at (hour,date)*	04-20-94	_			Zone producing	(Upper o	or Lower)	Lower	7
TIME	LAPSED TIME	PRES	SURE		PROD. ZONE	(opport	20.101)		┥	
(hour,date)	SINCE*	Upper	Completion	Lower Comple	etion	TEMP	i	REMAR	K S	
			,				1	- RELIVERIC	A.O.	┥,
18-Apr			356	600	ì				8.00 ™ . a	111
13.14						_				-
19-Apr			358	601			Ι,			
15.14		_						마(당	15 W 15 IM	┪
20-Apr			358	603	ì	}	1 1	n language		
25.75							 	HAY MAY	1 8 1994	-
21-Apr			359	410	ı		1		•	
2174	 		000	410		 	1	State Cal	REPUBLICATION OF THE PROPERTY	-
22-Apr			359	415			· `	e.ii.	T HANDY BUD	
22-14			303	415			 	 -		4
							İ			
Production	I rate during test			<u> </u>		<u> </u>				
rioduction	rate during test									
Oil:	BOPD based		DL1.	:_	TT		_			
Oii.	BOFD based		BUIS.	<u> </u>	_ Hours.		Grav.		GOR	_
C		MCEDI	D. The standard	(0:5						
Gas:		MCFPI	ر, rested thi	ru (Orifice or M	neter):			-		_
) (TP)	TEOT ALLE	N DD E	MIDE DATE:				
		1.		TEST SHUT-I	1			Υ		7
Upper	Hour, date shut-in	Length o	of time shut-in		SI pres.	SI pres. psig Stal			bilized? (Yes or No)	
Completion	<u> </u>			·	 	·····		<u> </u>	· · · · · · · · · · · · · · · · · · ·	4
Lower	Hour, date shut-in	Length o	of time shut-in		SI press	s. psig		Stabilized? (Yes	s or No)	
Completion	1				I			i		1

(Continue on reverse side)

FLOW TEST NO. 2

Commenced a	t (hour.date)**			Zone producing (Upper or Lower):				
TIME	LAPSED TIME	PRI	ESSURE	PROD. ZONE				
hour,date)	SINCE**	Upper Completion	Lower Completion	ТЕМР.	REMARKS			
				ļ.				
				<u> </u>				
		 						
	<u> </u>			1				
Production 1	rate during test	·	1					
Oil:	BOPD base	d on	Bbls. in	Hours.	Grav. GOR			
Gas:			sted thru (Orifice or					
Remarks:								
I hereby cer	rtify that the informati		d is true and complet	e to the best of my	knowledge.			
	MAY 1 6 19	994						
Approved				Operator	Meridian Oil Inc.			
Mana Man	cico Oil Conservation	metarina .			TANYA ATCITTY			
		1 × 1		OPERATIONS ASSISTANT				
By	Original Signed by	CHARLES GHOL	SOM	Title	LIGHTONS ASSISTANT			
<i>D</i> ,	-	20.						
Title AFE	UTY ON & GAS II	USPECTOR INST	3 3	Date VA	V 1 I Jooy			
UEP	Att Oh' v (192 n	131 1,2 100, 0101						

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 fracture 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.
- 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 shat-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 shus-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 lealage 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 shall-in while the zone which was previously shall-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 inservals 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 (oil zones only).