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.				HUERFANO UNIT			No.	108	
Location	_									
of Well:	Unit E Sect 1 Twp. 26N		26N	Rge. 10W		County		SAN JUAN		
	NAME OF R	ESERVOIR OR POOL		TY	PE OF PROD.	METHO	DD OF PROD.	PROD.	MEDIUM	
				1	(Oil or Gas)	(Flo	w or Art. Lift)	(Tbg. c	r Csg.)	
Upper										
Completion	GALLUP		GAS		FLOW		TBG			
Lower										
Completion	DAKOTA			<u> </u>	GAS		FLOW		TBG	
		PRE-	FLOW SHUT-	IN PRE	SSURE DATA					
Upper	Hour, date shut-in	Length of time shut-in	ı	SI press. psig		Stabilized? (Yes		or No)		
Completion	3-3-95	7 DA'	YS	271						
Lower										
Completion	3-3-95	5 DA'	YS	494						
			FLOW TEST	NO. 1	,					
Commenced a	t (hour,date)* 3-8-9	95			Zone producing	(Upper or	Lower)	LOWER		
TIME	LAPSED TIME	PRES	URE		PROD. ZONE					
(hour,date)	SINCE*	Upper Completion	Lower Comple	etion	ТЕМР		REMARI	KS		
						į				
6-Mar		192	470)						
7-Mar		220	485						4	
		i			1					
8-Mar		271	494	<u> </u>						
	:			_	İ	ł				
9-Mar	<u> </u>	294	157	/ 		ļ				
10.11		040	450		<u> </u>					
10-Mar		312	152	<u>'</u>		<u> </u>				
					1					
Draduation r	1 rate during test		L		<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·			
rioductioni	are during test									
Oil:	BOPD based on	Bbls.	in	Hours.		Grav.		COD		
OII.	BOI D based on	Dois.	III	_ Hours.		Grav.		GOR _		
Gas:		MCFPD; Tested th	nı (Orifice or N	Actori.						
	****		(Simile of I	.10101).						
		MID	-TEST SHUT-I	N PRES	SURF DATA					
Upper	Hour, date shut-in	Length of time shut-in	*****	SI pres.			Stabilized? (Yes	or No		
Completion			•	J. pics.	a. hate		omonizer: (1es	or No.		
Lower	Hour, date shut-in	Length of time shut-in		SI press paig			Stabilized? (Yes or No)			
2		Langue of time stut-in		SI press. psig			Stabilized? (Yes or No)			

(Continue on reverse side)

FLOW TEST NO. 2

Commenced a	at (hour,date)**			Zone neoducina (II-				
TIME	LAPSED TIME	PD	ESSURE	Zone producing (Upper or Lower): PROD. ZONE				
(hour,date)	SINCE**			_				
(nodr,date)	SHILE	Upper Completion	Lower Completion	TEMP.	REMARKS			
 -		-	 					
			1					
 			+					
Production a			. <u>L</u>					
Production i	ate during test							
0''								
Oil:	BOPD based on Bbls. in			Hours	Grav. GOR			
Gas:		MCFPD; Te	sted thru (Orifice or	Meter):				
Remarks:			·					
I hereby cert	tify that the informat	tion herein contained	is true and complet	e to the best of my kr	nowledge.			
				•	3			
Approved	Johnne	Robinson	19	Operator	Meridian Oil Inc.			
• •	7 7		-	operator	Worldian On mo.			
New Mevi	ico Ol Conservation	Division		D	Tomas Atalitic			
New Mex	ico Ol Conservation MAR	'2"7°1995	Ì	Ву	Tanya Atcitty			
	1 1							
Ву				Title	Operations Assistant			
	DEPUTY OIL	& GAS INSPECTO)K]		:			
Title				Date	3/17/95			

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.
- 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 stut-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 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 Azteo District Office of the New Mexico Oil Conservation Division of Northwest New Mexico Packer Leakago 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).