## 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

Variety   Vari												Well		
Well: Unit K   Sec. 36   Twp. 027N   Rge. 004W   County   Ric Arriba	Operator	Meridian Oil Inc.						Lease San Juan 27-4 Unit			No. 36			
NAME OF RESERVOIR OR POOL  TYPE OF PROD. (Oil or Gas)  Flow Thg  Thg  Thg  Thg  PROD. MEDIUM (Flow or Art. Lift) (Flow or Art.	Location													
Upper priction Pictured Cliffs Gas Flow Tbg  Description Mesaverde Gas Flow Tbg  PRE-FLOW SHUT-IN PRESSURE DATA  Upper Hour, date shut-in 5-6-94 5 days 689  Lower completion 5-6-94 5 days 0  SI press, psig 689  Lower completion 5-6-94 5 days 0  FLOW TEST NO. 1  Commenced at (hour,date)* 05-11-94 Zone producing (Upper or Lower) Upper TIME LAPSED TIME PRESSURE PROD. ZONE SINCE* Upper Completion Lower Completion TEMP REMARKS  9-May 688 0 Flowed Pictured Cliffs zone.  11-May 689 0 Mesaverde zone will not produce.  Production rate during test	of Well:	Unit	nit K Sec. 36 Twp. 027N		Rge.	Rge. 004W Con		anty Rio Arriba		a				
Upper ompletion Pictured Cliffs		NAME OF RESERVOIR OR POOL						TY	PE OF PROD.	METHO	METHOD OF PROD.		MEDIUM	
Description   Pictured Cliffs   Gas   Flow   Thg									(Oil or Gas)	(Flo	w or Art. Lift)	(Tbg.	or Csg.)	
Description   Mesaverde   Flow   This	Upper													
PRE-FLOW SHUT-IN PRESSURE DATA  Upper Hour, date shut-in 5-6-94	Completion	Pictured Cliffs							Gas Flow				Tbg	
PRE-FLOW SHUT-IN PRESSURE DATA  Upper Hour, date shut-in 5-6-94	Lower									1				
Upper Hour, date shut-in 5-6-94	Completion	Mesaverde							Gas		Flow	<u> </u>	Tbg	
Description Section Se						PRE-	FLOW SHUT	-IN PRE	SSURE DAT	Α				
Lower ompletion 5-8-94 5 days 0    Second	Upper	Hour, da	te shut-in		Length of tir	ne shut-in		SI pres	s. psig		Stabilized? (Ye	s or No)		
ompletion 5-6-94 5 days 0  FLOW TEST NO. 1  Time   Lapsed time   PRESSURE   PROD. ZONE   TEMP   REMARKS  9-May   688 0   Flowed Pictured Cliffs zone.  10-May   689 0   Mesaverde zone will not produce.  11-May   368 0   Mesaverde zone will not produce.  12-May   368 0   OUL CONE   C	Completion	5.	6-94			5 days	1		- 68	39				
FLOW TEST NO. 1    Commenced at (hour,date)*   05-11-94   Zone producing (Upper or Lower)   Upper	Lower													
Description   Commenced at (hour,date)   Ob.11-94   Zone producing (Upper or Lower)   Upper	Completion	5-	6-94			5 days	3			0				
TIME (hour,date) LAPSED TIME PRESSURE Upper Completion Lower Completion TEMP REMARKS  9-May 688 0 Flowed Pictured Cliffs zone.  10-May 689 0 Mesaverde zone will not produce.  11-May 368 0 MAY 2 7 1994  12-May 264 0 OIL CON. DIV.							FLOW TEST	r no. 1						
(hour,date) SINCE* Upper Completion Lower Completion TEMP REMARKS  9-May 688 0 Flowed Pictured Cliffs zone.  10-May 689 0 Mesaverde zone will not produce.  11-May 689 0 DECEIVED  12-May 368 0 MAY 2 7 1994  13-May 264 0 OIL CON. DIV.	Commenced at	t (hour,da	ite)*	05-1	1-94				Zone produci	ng (Upper o	r Lower)	Upper		
9-May 688 0 Flowed Pictured Cliffs zone.  10-May 689 0 Mesaverde zone will not produce.  11-May 689 0 DECEIVED MAY 2 7 1994  13-May 264 0 OIL CON. DIV.	TIME	L	APSED TIM	Œ		PRESS	URE		PROD. ZON	Е				
9-May 688 0 Flowed Pictured Cliffs zone.  10-May 689 0 Mesaverde zone will not produce.  11-May 689 0 DECEIVED  12-May 368 0 MAY 2 7 1994  13-May 264 0 OIL CON. DIV.	(hour,date)		SINCE*		Upper Con	npletion	Lower Comp	letion	TEMP		REMAR	KS		
10-May 689 0 Mesaverde zone will not produce.  11-May 689 0 DECEIVED  12-May 368 0 MAY 2 7 1994  13-May 264 0 OIL CON. DIV.									·			Topo .		
11-May 689 0 12-May 368 0 13-May 27 1994 Production rate during test	9-May				6	88		0		Flowed	Pictured Cliffs a	one.		
11-May 689 0 12-May 368 0 13-May 27 1994 Production rate during test												. 41		
12-May 368 0 MAY 2 7 1994  13-May 264 0 OIL CON. DIV.	10-May				6	89		0		Mesave	rde zone will no	t produce	• •	
12-May 368 0 MAY 2 7 1994  13-May 264 0 OIL CON. DIV.  Production rate during test														
12-May 368 0 MAY 2 7 1994 13-May 264 0 OIL CON. DIV.	11-May	_			6	89		0			/EWI	q n q		
12-May  13-May  264  0  MAY 2 7 1994  Production rate during test												S U. V	KIBIW	
13-May 264 0 OIL CON. DIV.  Production rate during test	12-May				3	368		0	1	1110	1		-U	
Production rate during test				-							MAY	2 7 19	194	
Production rate during test	13-May	ļ				264		0						
Production rate during test					İ					(0	)[[[(((			
Production rate during test												77. S		
Dil: BOPD based on Bbls. in Hours. Grav. GOR	Production 1	ate duri	ng test								- Due	ט פער		
Dil: BOPD based on Bbls. in Hours. Grav. GOR														
	Oil:		BOPD ba	sed on		Bbls.	in	Hour	8	Grav.		GOR		
Gas: MCFPD; Tested thru (Orifice or Meter):	Gas:				MCFPD;	Tested th	ru (Orifice or	Meter):						
MID-TEST SHUT-IN PRESSURE DATA						MID	TEST SHUT	-IN PRI	ESSURE DAT	Α	<del>,</del>			
Upper Hour, date shut-in Length of time shut-in SI pres. psig Stabilized? (Yes or No)	Upper	Hour, d	late shut-in		Length of t				SI pres. psig			Stabilized? (Yes or No)		
Completion	Completion													
Lower Hour, date shut-in Length of time shut-in SI press. psig Stabilized? (Yes or No)	Lower	Hour, d	late shut-in		Length of t	ime shut-ir	1	SI pre	es. psig	Stabilized? (Yes or No)				
	Completion										<u> </u>			
	Completion				<u> </u>									

FLOW TEST NO. 2

Commenced a	t (hour,date)**			Zone producing (Upper or Lower):					
TIME	LAPSED TIME	PR	ESSURE	PROD. ZON	TI3				
(hour.date)	SINCE**	Upper Completion	Lower Completion	TEMP.		REMARKS			
L									
Production	rate during test								
Oil:	BOPD bas	ed on	Bbls. in	Hours	Grav.	GOR			
Gas:		MCFPD; To	ested thru (Orifice or	Meter):					
Remarks:		-							
I hereby cer	tify that the informs	tion herein containe	d is true and comple	te to the best o	f my knowledge.				
	MAY 2	7 1994							
Approved		, ,,,,,	19	Operator	Meridian C	Dil Inc.			
	0				<b>****</b> ********************************				
New Mex	tico Oil Conservatio	n Division		Ву	TANYA ATCIT				
	( Land	- H//	1		OPERATIONS ASS	SISTANT			
Ву		Kol	(m)	Title					
	DEPLITY OU 2	GAS INSPECTOR,	DIST 443		MAY 2419	9 <i>1</i>			
Title	MOI OF G	ons insituton,	PIGI. PPG	Date	- 171H1 ~生 し	J'T			

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after except that the proviously produced zone shall remain shat-in while the zone which 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 recompistion and/or chemical or frac-ture treatment, and whonever remedial work has been done on a well during which the pacine 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 com sent of any paolor 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 skut-in for pressure stabilization. both zones shall remain shar-in until the well-head pressure in each has stabilized, provided however, that they need not remain abut-in more than seven days.
- 4. For flow Test No. 1, one some 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 racker 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 shows
- 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  $\,$

- was previously shut-in is produced.
- 7. Pressures for gas-some 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 n 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 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).