93 Test

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

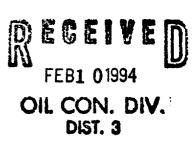
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Well

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator	Meridian Oil Inc.			Lease	Culpepper Mart	in		No. 1A				
Location												
of Well:	Unit G Sec.	31 Twp.	032N	Rge.	12W	County	San Juan					
	NAME OF R	ESERVOIR OR POOL	-	TY	PE OF PROD.	METH	OD OF PROD.	PROD. MEDIUM				
	<u></u>				(Oil or Gas)	(Flo	w or Art. Lift)	(Tbg. or Csg.)				
Upper												
Completion	Mesaverde				Gas		Flow	Tbg				
Lower							-					
Completion	Dakota				Gas		Flow	Tbg				
PRE-FLOW SHUT-IN PRESSURE DATA												
U pper	Hour, date shut-in	Length of time shut-in		SI press. psig		Stabilized? (Yes or No)		or No)				
Completion	12-03-93	4 days	3	573								
Lower			**									
Completion	12-03-93	4 days	4 days		1073							
FLOW TEST NO. 1												
Commenced at	t (hour,date)* 12-1	7-93			Zone producing	(Upper o	Lower)	Lower				
TIME	LAPSED TIME	PRESS	URE		PROD. ZONE							
(hour,date)	SINCE*	Upper Completion	Lower Comple	tion	TEMP		REMARI	ζS				
5-Dec		572	1071									
								- "				
6-Dec		573	1072									
7-Dec		573	1073									
8-Dec		574	368									
9-Dec		574	343					·				
Production ra	ate during test											
0.1	B0BB ()											
Oil:	BOPD based on	Bbls.	in	Hours.		Grav.		GOR				
Gas:		MCFPD; Tested thr	u (Orifice or M	leter):								
		MID-	TEST SHUT-II	N PRES	SURE DATA							
Upper	Hour, date shut-in	Length of time shut-in	SI pres. psig			Stabilized? (Yes or No)						
Completion												
Lower	Hour, date shut-in	Length of time shut-in		SI press. psig			Stabilized? (Yes	or No)				
Completion												

(Continue on reverse side)



Commenced at (hour, d	Commenced at (hour, date) ## Zone producing (Upper or Lower):								
TIME	LAPSED TIME	PRESSURE		PROD. ZONE	REMARKS				
(hour, date)	SINCE **	Upper Completion	Lower Completion	TEMP.					
Production rate	during test								
Oil:	BOF	D based on	Bbls. ir	н Но	urs Grav GOR				
Gas:		мс	FPD: Tested thru	(Orifice or M	eter):				
Remarks:									
-		 _							
I hereby certify	that the informat	ion herein contais	ned is true and co	omplete to the	best of my knowledge.				
		994	19 (Operator <u> </u>	Deridian Oil Inc				
New Mexico (Oil Conservation	Division	,	Ву	SUSAN DOLAN				
	10 91		•	OPE	RATIONS ASSISTANT				
Ву	why / fl	Show		Tide					
TILL DEPUTY	OIL & GAS INSPE	CTOR, DIST. #3	,	r. Ff	EB 0 9 199 4				

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

Date _

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 term 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 disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

Title

- 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.
- 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.
- 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 conclusion of each flow period. 7-day term: 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.
- 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 desdweight pressures indicated thereon as well as the flowing , temperatures (gas zones only) and gravity and GOR (oil zones only).