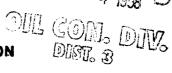


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STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



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be used for reporting packer leakage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator		CONOCO	INC	Lease _	AX	I APACH	E O		· 10	(PM)		
Location			Twp25					nty _R	IO ARRI	[RA		
	NAME OF RESERVOIR OR POOL				TYPE OF PROD. (Oil or Gas)		METHOD OF PROD. (Flow or Art. LITE)		PROD. MEDIUM (Tbg. or Cag.)			
Completion PICTURED CLIFF			CLIFF	GAS		FLOW			TBG.			
Lower Completion MESA VERDE			GAS	GAS		FLOW		TBG.				
PRE-FLOW SHUT-IN PRESSURE DATA												
Upper	Hour, date s	_	Length of time she	Length of time shut-in		SI press, pelg			Stabilized? (Yes or No)			
Completion 08-02-98 Hour, date shut-in			3-DAYS Length of time shul-in		199 Si prees, peig		NO Stabilized? (Yes or No)					
Completion			3-DA	3-DAYS		311		NO				
FLOW TEST NO. 1												
Commenced	Commenced at (hour, date) * 08_05_98 Zone producing (Upper or Lower): T.OWIFR											
TIME (hour, date)		LAPSED TIME SINCE*	PRES Upper Completion	SURE Lower Completion	PROD. ZONE TEMP.		REMARKS					
08-03-98		1_DAY	189	267			BOTH ZONES SHUT I		וו			
08-04-98		2-DAYS	190	289			BOTH ZONES SHUT IN			IN		
08-05	08-05-98 3-DAYS		199	311			BOTH ZONES SHUT IN			'IN		
08-06	-98	1-DAY	207	151			LOWER ZONE FLOWING			ING		
08-07	-98	2-DAYS	207	148			LOWE		ER ZONE FLOWING			
		uring test BOPI) based on	Bbls. in	1	Hours.	G		GO	R		
J25:	Gas: MCFPD; Tested thru (Orifice or Meter):											
MID-TEST SHUT-IN PRESSURE DATA												
Upper Completion Len			Length of time shu	Length of time shut-in		Si prees. pelg		Stabilized? (Yes or No)				
Lower Completion			Longth of time shu	Length of time shut-in		\$1 press, paig		Stabilized? (Yea or No)				

REMARKS

FLOW TEST NO. 2

PRESSURE

Lewer Com

ar Ca

Zone producing (Upper or Lewer):

PROD. ZONE

TEMP.

				1					
									
		· · · · · · · · · · · · · · · · · · ·							
Production rate d	_					·			
Oil:	ВОР	D based on	Bbls. is	Hours	Gnv	GOR			
					·):	-			
Remarks:			·			,			
hereby certify the	hat the informati	n berein contain	ed is true and co	omplete to the be	or of my knowledge.				
Approved			10	3	CONOCO #111				
New Mexico O	il Conservation I	ivision	,	A. Poresa	Blair,				
ORIGINAL S	NGNED BY CHARL	E T. PERRIN							
Ву				Title FPS		····			
DEPU Tide	TY OIL & GAS INSP	ECTOR, DIST. †		Date 11/5/98					
						_			

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 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.

mond at thour, date) * *

TIME

nyr, datei

LAPSED TIME

SINCE **

- 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 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 tests: 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 rwice, 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.

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 on 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).