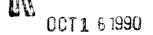
STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

COMP



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OIL CONSERVATION DIVISION

OIL CON. DIV.

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

-		PRODUCTION • OBOSEOS						cy: RIO ARRIE
		ERVOIR OR PO			TYPE PROD	METHOD PR		EDIUM PROD
UPR COMP	OTERO CHACRA		9	93715	GAS	FLOW		TBG
LWR COMP	L .			93716	GAS	FLOW		TBG
		PRE	-FLOW	SHUT-IN P	RESSURE DA	ATA	l	
	Hour/Date	Shut-In	Lengt	th of Time	Shut-In	SI Press.	PSIG	Stabilzed
UPR COMP	09/17/90		72 Hours		2/4		V	
LWR COMP	09/17/90		72 Hours		268		1/	
	.1	I.]	FLOW TEST	DATE NO.1		· · · · · · · · · · · · · · · · · · ·	
Comme	nced at (ho	our,date)*				Zone I	Produci	ng (Upr(Lwr)
<u> </u>		LAPSED T SINCE*	IME PRESSURE Upper Lower		Prod Temp.	REMARKS		
	9/17/90	Day 1	 -				Bot	h Zones SI

(hour, date)	SINCE*	Upper Lower		Temp.	REMARKS	
09/17/90	Day 1	201	252		Both Zones SI	
09/18/90	Day 2	211	263	-	Both Zones SI	
09/19/90	Day 3	214	268		Both Zones SI	
09/20/90	Day 4	214	268		lower me on	
09/21/90	Day 5	219	229		0 "	
09/22/90	Day 6	219	230		.1	
Production rate	during test				•	

Produ	ccion race duri	ng cest			
oil:_	1	BOPD based on	BBLs in Hrs	Grav GOR	
Gas:		MFCPD:Tested t	heu (Orifice or M	Meter):METER	
		MID-TEST SHUT-I	N PRESSURE DATA		
	Hour, Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/n	10)

FLOW TEST NO. 2

Commenced at (hour, data) **				Zone producing (Upper or Lowert				
TIME	LAPSED TIME	PRES		PROD. ZONE	REMARKS			
(hour, date)	SINCE **	Upper Completion	Lower Completion	TEMP.				
			<u> </u>	-				
					•			
			-1	1				
Production rate	•		sum.					
Oil:	BOP	D based on	Bbls. in	Hours.	Grav GOR			
Gas:		MCF	PD: Tested thru	(Orifice or Meter):			
Approved New Mexico C Origin	OOT 16 1 Dil Conservation I	Oivision PLES GHOLSON	19 C		allas			
Title <u>DEFUN</u>	Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date U 10/5/90							

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.
- 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.
- 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.

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- 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 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.

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 theteon as well as the firmase temperatures (gas zones only) and gravity and GOR (oil zones only).