This form is not to be

Completion

Lower

Completion

Hour, Date, Shut-In

NEW MEXICO OIL CONSERVATION DIVISION

used for report packer leakage in Southeast No	Page 1 Revised June 10, 2003					
Operator 4	illiams Exp	luration and	Productio	Well No. <u>298</u>		
Location Of V	Well: Unit Letter		2 Twp <u>32</u>	∥ Rge 	2 - W∕ API # 30-0_	4530709
	Name of Reservoir or Pool		Type of Prod. (Oil or Gas)		Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. Or Csg.)
Upper Completion	MV		GAS		F/ow	T69.
Lower Completion	DK		GAS		Flow	Thq.
			re-Flow Shut-In I		a SI Press. Psig	·
Upper Completion	Hour, Date, Shu		. •	Length of Time Shut-In		Stabilized? (YES or No)
Lower Completion	Hour, Date, Shu		_	Length of Time Shut-In 72 HR		Stabilized? (Yes or No)
		· · · · · · · · · · · · · · · · · · ·	Flow Test 1			
Commenced		3:00 8.2	3-04 Zo		(Upper or Lower)	DK
Time (Hour, Date)	Lapsed Time Since*	Upper Compl.	Essure Lower Compl.	Prod. Zo Temp.	ne Remarks	
3:00 8-23-04	30 min.	277	180	70°		567
8-24-04	24 HR	281	154	850	5,5	S. ST
8.25.04	24 HR.	287	153	100		300, 5
8-26-04	24 MR	292	160	940		7.30/1 5
					A SERVE	27717075
			·			ele le ora
roduction rate	during test	. 8				
Dil:BOPD based onBbls.		In Hrs		Grav	GOR	
3as: <u>290</u>	MCFPI	O; Test thru (Orifi	ce or Meter):/	eter	<u> </u>	
Unner	Jour Date Shut-		d-Test Shut-In Pr		I Danie Data de la T	Stabilized? (Ves or No.)

(Continue on reverse side)

Length of Time Shut-In

SI Press. Psig

Stabilized? (Yes or No)

			Flow Test N	o. 2	gest sej tr
	at (hour, date)**	· ,		ne producing (U	Ipper of Lower):
Time (Hour, Date)	Lapsed Time Since**		essure Lower Compl.	Prod. Zone Temp.	Remarks
7		ng, q	N 12 1 1 1 2 1	7.1	100 F 800 M (190 W
er i i i i i i i i i i i i i i i i i i i					T. (1. 3.5) (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
1. 2.		January Charles			
	`:t.	X 1	1.1.		10 mg
		* 1		\$	
				1 pr/s.	
roduction rate of	during test BOPD based	on	Bbls. In	Hrs.	Grav. GOR
as:		D; Test thru (Orifi		710 -	120 , 120 ,
emarks:					and the first of the second of
hereby certify t				lete to the best o	of my knowledge
pproved	SEP - 9 20		20	Operator	ack Schullya
ew Mexico Oil	Conservation Di	vision		By	Villiams Production
Cha	17/	N. T.		Title	Tech
tle DEPUTY OIL	& GAS INSPECTOR	, DIST. 83	e (En ese en	E-mail Addres	ss
		Northwest N			08-26-04

- 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 case of a gas well and 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 hour 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 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 11-16-98, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).