This form is <u>not</u> to be used for reporting packer leakage tests in Southeast New Mexico

NEW MEXICO OIL CONSERVATION DIVISION

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NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Revised June 10, 2003

III DOULIICASE I ICW	-					_			We				
Operator	(TO Energ	gy Inc			Lease Nan	ne (ص	nzales	<u>Gas Co</u>	mA No				
Location Of W	ell: Unit Letter _	I Sec 2 C	<u>ک</u> Twp	291	_ Rge <u>//</u>	SW	_ API # 3	0-0 <u>4</u> :	5602	59			
	Name of Rese	Type of Prod.			Method of Prod.		Prod. Medium						
		(Oil or Gas)			(Flow or Art. Lift)		(Tbg. Or Csg.)						
	Fruitland S	GAS			Flow		Tubing						
Lower Completion	Picture C	GAS			Flow		Tubing Tubing						
Pre-Flow Shut-In Pressure Data 769/csa													
Upper	Hour, Date, Shut-		Length of Time Shut-In			SI Press. Psig		Stabilized? (Yes)or No)					
	7:00 Am 4-	168 hours			71/71		yes						
Lower	Hour, Date, Shut	Length of Time Shut-In			SI Press. Psig			Stabilized? (Yes)or No)					
Completion	Completion 9:00 1/m 4-4-05 /68 hours /03 yes												
Flow Test No. 1													
Commenced at (hour, date)* 9:00 1/m 4-11-05 Zone producing (Upper of Lower) Picture Cliffs													
Time	Lapsed Time	Pres	<u>sure</u> Pro		Prod. Zo	one Remarks		3	···				
(Hour, Date)	Since*	Upper Compl.	Lower Com	pl.	Temp								
9:00 A/m 4-12-05	24 hrs	7/	1				Flwa	A.c.	to C	ompresso i			
9:00 Hm 4-13-05	48 hrs	73	,	·			11	11	11	·			
9:00 A/m					191Z	343				- 1935 B			
4-14-05 3:00 P/m	72 hrs	74		/& /\$\chi_	Alan	-4	3/						
4-15-05	102 hrs	72		200	MAY	2005	140	//	11	11			
8:30 Alm 4-16-05		78	2	52	1. Signary	CO COM		,	//	11			
9:30 A/m 4-17-05		74	2	8	کی	y i		,	11	//			
Production rate		<u> </u>			ECC. 81. 81	1195							
011 6	nonni i	O- 711	•				<u> </u>		COD				
Oil: -©	_ BOPD based o	n <u> </u>	s. in	F	irs.		Grav		_ GOR _				
Gas:	MCFP	D; Test thru (Orifi	ice or <u>Meter</u>)	:	Neter								
Mid-Test Shut-In Pressure Data													
Upper Hour, Date, Shut-In			Length of Time Shut-In			SI Press. Psig			Stabilized? (Yes or No)				
Completion 10:00 1/m 4-18-05			292.5 hrs			81			<u>yes</u>				
Lower	Hour, Date, Shut	1	Length of T				ess. Psig			d? (<u>Yes</u> or No)			
Completion	10:00 4m 4-	18-05 I	124.	5 hrs	: 1		01		yes	:			

(Continue on reverse side)

Flow Test No. 2

Commenced a	it (nour, date)**	2:30 m. 4-2	23-05 Zon	e producing (U	pperfor Lower): Fruitland Sand.						
Time	Lapsed Time	<u>Pressure</u>		Prod. Zone	Remarks						
(Hour, Date)	Since**	Upper Compl.	Lower Compl.	Temp.							
8:30 A/m											
4-24-05	18 hrs	3	101	·	Fruitland Flwa 86mcF						
3:00 P/m											
4-25-05	48.5 hrs	25	/0/		11 11 181 mcF						
9:00 A/m	ر سر رر ا	٠ - ١	80								
4-26-05	66.5 hrs	25	99		" " ISSMCF.						
9:30 Am	0.1	23	00								
4-27-05	91 hrs	23	99	·	Test Complete 148 mcf						
1				2							
,											
Production rate during test											
Oil: BOPD based on Bbls. In Hrs Grav GOR											
Gas: 142 MCFPD; Test thru (Orifice or Meter): meter											
Remarks: Forded test 4-27-05 for Fruitland Sand											
Picture cliff test was running makens 675 on compressor.											
			,								
hereby certify that the information herein contained is true and complete to the best of my knowledge.											
Approved											
New Mexico Oil Conservation Division											
By Jimmy Costalez											
By ha	h Der	5		Title Production Foreman							
ENTY A COOR											
Title SUPERVISOR DISTRICT #3 E-mail Address Simmy-Costalez xto Freezy											
		÷	•	Date //	2 2005						

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 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).