This form is not 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

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OperatorX	TO ENERGY			1.2	· ·	Lease Nam	ne	14.15	<u></u> C	No.	
Location Of W	ell: Unit Letter	.,-	_ Sec _ <u>4</u>	Twp\3	NOX	Rge 📗	الما	AP	I#30-0 <u>4</u> €	5-24699	
	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	Francis to Swo	MIDDLE PICTURE CLIFFS				^ >43			Flow	CsG	785
Lower Completion	Mesa Verde			GAS			Flow			186	
	F		Pre	-Flow Shut-I	n Pr	essure Dat	a				
Upper Completion	Hour, Date. Shut-In 3-21-05 9:30 Am 9:30 Am 3-21-05			Length of Time Shut-In 73			SI Press. Psig			Stabilized? (Yes or No)	
Lower Completion	Hour, Date, Shut-In 3-ZI-05			Length of Time Shut-In 73			SI Press. Psig			Stabilized? (Yes or No)	
	•			Flow Te	et N	o. 1		_			
Commenced at (hour, date)* 3-21-65 9:30mm				Zone producing (Upper or Low				Lower): N	NESH VE	:DE	
Time (Hour, Date)	Lapsed Time Since*	Uppe	r Compl.	<u>sure</u> Lower Comp	l.	Prod. Zo Temp	'				
	73Hes	197	PC 200	204						y mve	10:30 AM
	73 HRS 15mis 1 73 HRS 30mis	194	195	178 154				<u>.</u>		,	
	73 HR 45 min	198	184	134		202218		P/	Falling	151 1001	
12:30 Pm 3-24		197		114	A	12.66.67		<u> </u>	Tames	wi un	
1:30 pm 3-24		เาล		102	Osi	APR 2005	ا اع اع	الملاحة	T. @ 1:301	?m 3-24-0	5 Tp
, , ,				10	- +	The Day		3	Bilize		
Production rate	-			10	Q Q1/	Ar6.8.L9	الرقي	/			
Oil:	BOPD based o	n	Bbls	s. In		Hr. 6. 8. L. 3	, à	Grav	V	GOR	
Gas:	MCFP	D; Tes	t thru (Orifi	ce or Meter):							<u>.</u>
			Mic	l-Test Shut-l							
• • •	Hour, Date, Shut	,	mm 3-21-05	Length of Tir			SI Pr 204		Psig 223	Stabilized	? (<u>Y'es</u> or No)
Lower	Hour, Date. Shut	-In		Length of Ti	me S	hut-In	SI Pr		Psig	Stabilized	? (Yes or No)
	,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		<u>:</u>	(Continue on				<u></u>	<u> </u>		

FAILED 1-05 H-Jh-05 Lettel 4-18

				Flow T			midDle			
Commenced at (hour, date)**		1:00 pm 3-29-05			· Zoi	Zone producing (Upper or Lower): Picture Cliffs				
Time	Lapsed Time	Pressure			Prod. Zon		Remarks			
(Hour, Date)	Since**			Lower Com	pl	Temp.				
		FS	PC	m√	_]				
1:00pm 3-24-05		204	136	226	, , ,		START PRODUCING PC@ 1:00 pm			
1:15 PM 3-29-05				205						
1:30 PM 3-29-05	30 mid	196	149	200			MY FALLING WY PC			
1: 45 PM 3-24-05	45 mis	196	148	199		<u> </u>	0 '			
2:00 pm 3-27-06		197	145	Z00	·					
3:00pm 3-29-05	ZHES	197	138	187						
4:00 PM 3-25-05	•	196	135	179			SHUT WELL IN @ 4:00pm 3-29-05			
				1			TO STABILIZE ZONES			
Production rate of Oil:	BOPD base	d on		Bbls. In		Hrs	Grav GOR			
Gas:				ice or Meter):	: <u> </u>					
Remarks: NEX	PAGE IS 3	BLD TE	is/. '		. *					
I hereby certify	that the informa	tion here	in contair	ned is true and	i com	plete to the best	of my knowledge.			
Approved	A/c/				Operator David Sonders					
New Mexico Oi	Conservation I	Division				By Dan	ich 2 Sanden			
Ву	0			· -		Title <u>Le</u>	ase operator			
Title	<u>/</u>			<u> </u>	<u></u>	E-mail Addr	ess			
				•		Data	12 -			

- 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 Piow 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 his snut-in, in accordance with Paragraph 5 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 Leakag: Test Form Revised 11-10-98, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravit and GOR (oi) zones only).