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

Completion

NEW MEXICO OIL CONSERVATION DIVISION

Page 1 Revised June 10, 2003

packer leakage te in Southeast New		NORTHWEST I	NEW MEXI	CO PACKER L	Revised June 10, 2003							
Operator <u>X</u>	TO Energy	<i>J.</i>		Lease Na	Well No. 20 %							
Location Of Well: Unit Letter H Sec 08 Twp 30N Rge 11W API # 30-045-24694												
	Name of Res	ervoir or Pool	Type of Prod. (Oil or Gas)		Method of Prod. (Flow or Art. Lift							
Upper Completion	Pictured	Cliff	byes		Flow	TB4						
Lower Completion	Mesa Verde		6, 25		Aft. Lift	TBG						
Pre-Flow Shut-In Pressure Data												
Completion	Hour, Date, Shut-In 7:00 Am, 12/14/12		Length of Time Shut-In		SI Press. Psig	Stabilized?(Yes or No)						
Lower	Hour, Date, Shut-In 7:00 AM, 12/14/12		Length of Time Shut-In		SI Press. Psig	Stabilized? ((es) or No)						
RCUD DEC 31 '12 Flow Test No. 1 UIL CONS. DIV.												
Commenced at (hour, date)* 7:00Am 12/20/2 Zone producing (Upper or Lower): Lower												
Time (Hour, Date)	Lapsed Time	Pre Upper Compl.	ssure Lower Com	Prod. Z pl. Temp		DIST. 3						
7:15 A	15min	142	193		Plunger	Acriva 1						
7:30 P 12/20/12 7:45 A	Bo Min	142	136	-	• • • • • • • • • • • • • • • • • • • •	wes Zone						
12/20/12	45 min	142	117		Flow Lo	wer Zone						
8:00A 12/20/12 9:00 A	11+R	142	104		Flow Lo	ower Zone						
12/20/12	ZHR	142	91		Flow Lo	ower Zone						
10:00A 12/20/12	3 HR	142	76		Flow L	ower Zone						
Production rate during test Oil: BOPD based on Bbls. In Hrs. Grav. GOR												
Gas: 38												
Mid-Test Shut-In Pressure Data												
Upper Completion	Hour, Date, Shut		Length of Time Shut-In		SI Press. Psig	Stabilized? (Yes or No)						
Lower	Hour Date Shut-In		Length of Time Shut-In		SI Press Psia	Stabilized? (Ves or No)						

(Continue on reverse side)

Flow Test No. 2

Zone producing (Upper or Lower):

Time	Lapsed Time		essure	Prod. Zone	Remarks		
(Hour, Date)	Since**	Upper Compl.	Lower Compl.	Temp.		•	
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		}				ı	
							
Production rate	during test				<u>.</u>		
Oil.	ROPD base	d on	Bhls In	Hrs	Grav:	GOR	
Gas:	MCFP	D: Test thru (Ori	fice or Meter):				
Remarks:		b, rest tina (on					
remarks.							
Lhereby certify	that the informa	tion herein contai	ned is true and com	plete to the best-	of my knowledge		
i hereby certify	that the informa	non nerem contar	nea is true and com	piete to the best	of my knowledge.		
Approved _		3/2	R1 20 17	Operator	VTD FREEL	1	
New Mexico C	Dil Conservation I	Division	Operator YTO Energy By Jesse McDawell Title Lease Operator				
14CW MICKIEG C	on Conscivation i	21 (131011		By 7.16	MeDowell		
	01	701		Dy Jesse	- morawen		
Ry A		//		Title	c. ADOMAN	•	
Ву	Députy Oil 8	Gas inspec	tor.	· · · · · ·	ac Obeia'		
Title							
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		to the property of the control of the		Date 12/	20/10	•	

- 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.

Commenced at (hour, date)**

- 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).