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

Name of Reservoir or Pool	in Southeast New			,				Well				
Name of Reservoir or Pool Type of Prod. (Oil or Gas) (Flow or Art. Lift) (Tbg. Or Csg.) Upper Completion Familiation Suito Picture Cliffes Gas Gas Field Flow or Art. Lift) (Tbg. Or Csg.) Pre-Flow Shut-In Pressure Data Prod. Time Shut-In SI Press. Psig Stabilized? (Yes or No) ROAM 3-21-05 820Am 3-21-05 77 77 74 /84 /84 Hour, Date, Shut-In Pressure Data Flow Test No. 1 Commenced at (hour, date)* (100pm 3-24-05 Zone producing (Upper or Lower) MESA VERDE Time (Hour, Date) Since* Upper Compl. Lower Compl. Temp. Pressure Prod. Zone Remarks Flow Test No. 1 Completion Since* Upper Compl. Lower Compl. Temp. Pressure Prod. Zone Remarks Flow Test No. 1 Since Pressure Prod. Zone Remarks Flow Test No. 1 Completion Since* Upper Compl. Lower Compl. Temp. Prod. Zone Prod. Zone Prod. Zone Remarks Flow Test No. 1 Completion Since Prod. Zone Prod. Zone Remarks Flow Test No. 1 Completion Since Prod. Zone Prod. Zone Remarks Flow Test No. 1 Completion Since Prod. Zone Prod. Zone Remarks Flow Test No. 1 Completion Since Prod. Zone Prod. Zon	Operator <u>X7</u>	o Energy				Lease Name AZTEC					<u> </u>	
Upper	Location Of W	ell: Unit Letter _		Sec _ <u> </u>	Twp	<u> 30 n</u>	Rge <u></u> (1	۵_	_ API # 30-0 <u> </u>	5 - 24695		
Upper	Name of Reservoir or Pool				Туре	Type of Prod.			ethod of Prod.	Prod.	Medium	
Completion Tamus Table Pichuse Cliffs Greek Gree					- ,			(Fi	ow or Art. Lift)	(Tbg. (Or Csg.)	
Completion Wesa Verne Cas Fow Tes	Upper	,						7		1 /		
Completion Mesa M	Completion	FARMINGTON SOUD	Picture	E Cliffs	Gks /	<u> </u>	45	Flor	1 Flow	CSG	TBG	
Pre-Flow Shut-In Pressure Data	Lower	,	0,			•					i	
Upper	Completion	MESA VERDE			GAS				Flow	TB	9	
Completion Stack 3-21-cs 8:00 km 3-21-cs 77 77 84 184 Lower												
Lower Completion Stocket Stabilized	Upper	Hour, Date, Shut	-In/ PC		Length of Time Shut-In					Stabilized? (Yes or No)		
Completion Signar 3-21-05 77 343	Completion											
Commenced at (hour, date)* (loopm 3-z4-c5 Zone producing (Upper or Lower): MESA VERDE	i i	•					e Shut-In SI Press. Psig			Stabilized?	(Yes or No)	
Commenced at (hour, date)* Coopm 3-24-c5 Zone producing (Upper or Lower): MESA VERDE Time	Completion	81.00 Am 3-21	-05			<u>77</u>			343			
Time	Flow Test No. 1											
Time	Commenced	at (hour, date)*	DOPM	3-24-00	5	Zon	e producin	g (Up	per or Lower):	MESA VERS	Æ	
1:00 pm 3-24 15 mis 173 175 173 175 173 150 pm 3-24 15 mis 170 170 134 184 170 170 175 173 175	Time	Lapsed Time		<u>Pres</u>	<u>sure</u>	Prod. Zone			e Remarks			
3-24-05 O 184 184 363 State Propucing My @ 1;00 pm 115 Pm 3-24 15 min 173 175 173 130 Pm 3-24 30 min 169 170 134 145 Pm 3-24 45 min 170 175 123 1200 pm 3-24 1 HR 168 167 1/5 3'.copm 5-24 2 Hes 168 170 124 166 4'.copm 3-24 3 Hes 170 170 124 4'.copm 3-24 3 Hes 170 170 124 4'.copm 3-24 3 Hes 170 170 124 5 Lit To STABILIZE ZOJES		Since*	Upper	Compl.	Lower Com	pl.	Temp).				
1.30 pm 3-24 15 m/s 1/3	1:00 pm		F5	PC	mv				, , , ,			
1.30 pm 3-24 15 m/s 1/3	3-24-05	0	184	184	343				Stard Moducia	of mre 1	:00 pM	
1.45 PM 3-24 45 min 170 175 123 168 167 1/5 168 167 1/5 168 167 1/5 168 170 170 124 168 170		1								<u> </u>		
2:00 pm 3-24						بسر ا	5237425					
3: copm 3:24				1		X865 V						
3 - copm 3-24 2 Hrs 168 170 124	2:00 pm 3-24	IHR	168	167	115	^.√ जु	4000	<u> </u>	2)			
H': OOPM 3-24 3 HES 170 170 124 SLIT TO STABILIZE ZONES Production rate during test Oil: BOPD based on Bbls. In Hrs Grav GOR Gas: MCFPD; Test thru (Orifice or Meter): Wid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In/PC Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No) Completion 8:00 Am 3-21-05 8:00 Am 3-21-05 148 186 / 186		21/00	11.0	174	174	ر مر :						
Production rate during test Oil:BOPD based onBbls. InHrsGravGOR Gas:MCFPD; Test thru (Orifice or Meter): Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In PC Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No) Completion 8:00 Am 3-21-05 820 Am 3-21-05 148 148 186 186 186	2 . 60bw 2.54	2 HKD	1075	110	7 27 88	<u>ः च्यान्तर्भाग्</u> ए	The state of the s	3	1255 1			
Production rate during test Oil: BOPD based on Bbls. In Hrs Grav GOR Gas: MCFPD; Test thru (Orifice or Meter): Mid-Test Shut-In Pressure Data Upper Hour, Date, Shut-In/PC Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No) Completion 8:00 Am 3-21-05 / 8:0	41' April 3-24	3 4/24	170	170	174		18. g		S/1	mailine o	VES	
Oil:BOPD based onBbls. InHrsGravGOR	1100pm 5 =1	J	1,,0	1,70	727	· .		.3	7	HOI II LE Z	2×6 7	
Oil:BOPD based onBbls. InHrsGravGOR						\\\ {\!/	Manie	λ	Ì			
Gas:MCFPD; Test thru (Orifice or Meter):	Production rate	e during test		•			Cally Dales		•			
Gas:MCFPD; Test thru (Orifice or Meter):		_										
Upper Hour, Date, Shut-In/PC Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No) Completion 8:00 Am 3-21-05 /800 Am 3-21-05 168 186 186 186	Oil:	BOPD based o	n	Bbls	s. In	J	Irs		Grav	GOR	 	
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Upper Hour, Date, Shut-In/PC Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No) Completion 8:00 Am 3-21-05 /8:00 Am 3-21-05 168 168 186 186							-					
Completion 8:00 Am 3-21-05 /8:00 Am 3-21-05 168 186 / 186				Mic								
	• •		,		_	1			, ~	Stabilized?	(Yes or No)	
				m 3.21-05								
Lower Hour, Date, Shut-In Length of Time Shut-In SI Press. Psig Stabilized? (Yes or No)	i				~		hut-In	SIP		Stabilized?	(Yes or No)	
Completion 4:copm 3-24-65 88 37/ (Continue on reverse side)	Completion	4:00 pm 3-24	·05					Ĺ	37/	<u> </u>		

f A. led 4-26-05 Lettel 4-28

	• • •			Flow Te	st No.	2	WINDTE	1 450 2			
Commenced at (hour, date)** 8:00 Am 3-28-05						Zone producing (Upper or Lower): Picture Cliffs					
Time	Lapsed Time			essure		Prod. Zone	Remarks				
(Hour, Date)	Since**	Upper	Comôl.	Lower Compl	l.	Temp.		· · · · · · · · · · · · · · · · · · ·			
8:00 AM		FS	PC	mv							
3-28-05	6	186	180	371			START PROD	ucing PC@ 8:00 Am			
8:15AM 3-28	15 min	170	142	376							
8:30 Am 3-28	30 m/A	143	148	371			* 1				
8:45 AM 3-28	45min	156	117	369			<u>.</u>				
9:00 Am 3-28	1 HR	145	94	8 45							
10:00 Am 3-28	2 Hes	138	81	369		,	FS Falling	U/PC			
11:00 AM 3-28	3 HRS	127	47	348				••			
							FS/PC PACKER	FAILED : ENDED TEST.			
Production rate		v				,					
Oil:BOPD based onBbls. In						_ Hrs	Grav	GOR			
Gas:	MCFF	D; Test t	hru (Ori	fice or Meter): _							
Remarks:							-				
				1							
I hereby certify	that the informa	tion here	n contai	ned is true and	compl	ete to the best	of my knowled	ge.			
Approved	TARE			20	_	Operator	XTO ENERG	y			
New Mexico O	il Conservation I	Division				By Dani	d I San	DAVID SANDER			
Ву						Title LEASE OPERATOR					
	•	-	-	•				• •			

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).