This form is not to be used for reporting

Completion

NEW MEXICO OIL CONSERVATION DIVISION

Page 1

packer leakage in Southeast Ne		NORTHWEST	NEW MEXIC	O PACKER I	LEAKAGE TEST	Revised June 10, 2003
		& las Fre	Care (A)	Lease Na	ime Jiz 29	Well - <i>02-01</i> No. <u>143</u>
			_			
Location Of V	Well: Unit Letter_	6 Sec 6	$\frac{97}{2}$ Twp $\frac{2}{3}$	9// Rge _	<u> </u>	37.80080
	Name of Res	ervoir or Pool	Туре	of Prod.	Method of Prod.	Prod. Medium
			(Oil c	or Gas)	(Flow or Art. Lift)	(Tbg. Or Csg.)
Upper Completion	San Juse	(Tertiary)	bas		Flow	Tbg
Lower Completion	121		(as		Flow	Tbg
		D.	- FI- CL 4 I	. D . D.	Ľ	
Linnar	Hour, Date, Shut		Length of Ti		SI Press. Psig	Stabilized? (Yes)or No)
Upper Completion	Feb. 8.	2011 9:15	Length of Th	all	ST Fless. Fsig	Stabilized: (1 es of 140)
Lower	Hour, Date, Shut	i-In	Length of Ti	mé Shut-In	SI Press. Psig	Stabilized? (Yes)or No)
Completion	Feb 8-	2011 9:15	pa sa	eys	508	
			Flow Tes	st No. 1		\
Commenced	at (hour, date)*		2	Zone producii	ng (Upper or Lower):	
Time	Lapsed Time		essure	Prod. Z		
(Hour, Date)	Since*	Upper Compl.	Lower Compl.	. Tem	p. 2/ 2/2 #	
2-11-2011		50	508		3/2 chot.	mcfp
					3/4 choke	L.
2-12-2011		50	490		3/8 choke	mero
2-13-2011		50	477		200	moro
2-14-2011	•	50	320		72 choke 72 choke 72 choke	miko
2-15.2011		50	273		Ya choke	meFD
2.16.2011		50	228		12 chord 700	meso /ste
Production rat	te during test		7.7.0			17(17)
Oil:	BOPD based o	n Bbl	ls. In	Hrs.	Grav	GOR
Gas: 500		D; Test thru (Orif				
			id-Test Shut-In			
Upper	Hour, Date, Shut		Length of Tim	···	SI Press. Psig	Stabilized? (Yes or No)
Completion			Y 11 000		OLD 5:	0.19.10.77
Lower	Hour, Date, Shut	-In	Length of Tim	e Shut-In	SI Press. Psig	Stabilized? (Yes or No)

(Continue on reverse side)

RCVD MAR 11'11 OIL CONS. DIV.

DIST. 3



NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Page

			Flow Tes	st No.2=/ Con	timed		
Commenced at (hour, date)**				Zone producing (Upper or Lower):			
Time	Time Lapsed Time Pressure			Prod. Zone	Remarks		
(Hour, Date)	Since**	Upper Compl.	Lower Compl.	. Temp.			
10:00		-	200		1/2 chile 65+ MCF Va chole		
2417-11		50	700		658 McF		
2.18.11		50	190		1/2 Chall		
2-19-11	,	50	160		You oholy 560 Milo		
2-19-11 2-20-11 2-21-11		50	180		Yn choke 550 MUFD		
3.21.11		50	185		Y2 Choke Y2 choke 550 mcf D		
2.22-11		50	170		12 chite 575 Mets		

2-19-11	50	160		560 M	nio
3-19-11 3-20-11	50	180		1/2 choke 550 /	MIFD
3.21-11	50	185		1/2 Chabe	moto
2.22-11	50	170		Ya chote 525	
Production rate during Oil: BO Gas: BO	test PD based on MCFPD; Test thru (0	Bbls. In	Hrs	Grav	GOR
Remarks:	(_	<u> </u>		
I hereby certify that the Approved		tained is true and co	Omplete to the be	101 . 11.1	bus Resources
New Mexico Oil Conse	rvation Division		1	ZENTZ	A
Ву			_ Title Z	Luction Super	intenden T
Title			E-mail Ac	ddress <i>Bug. ZE</i>	ENTE O Blackhills la
			Date 2	23-11	

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).

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

Flow Test No.2 / Continual

Commenced a	at (hour, date)**			Zone producing (U	
Time (Hour, Date)	Lapsed Time Since**	Upper Compl.	essure Lower Compl.	Prod. Zone Temp.	Remarks
2.23-11		50	150		1/2 chold MEST
7-24-11 2-25-11 2-26-11 2-27-11		50	200		440 miss
2.75.11		50	190		Y2 Y73 MCFO
2.26.11		50	185		1/2 440 McFO
2-27-11		50	180		1/2 440 Mexis
2.28.11		50	200		5/8 choke 465 McFD
Production rate Oil: Gas: Remarks:	BOPD base	d on D; Test thru (Ori	_Bbls. In fice or Meter):	Hrs. <i>M-1 †47</i>	Grav GOR
I hereby certify	that the informa	tion herein contai	ned is true and co	=	of my knowledge.
Approved New Mexico O	il Conservation I	Division	20	Operator 2 By The	Rollis for Reservers
Ву				Title Rodu	itin Superintendent
Title			E-mail Address		
				Date	7-1-11

- Northwest New Mexico Packer Leakage Test Instructions
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- 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).

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST

			riow lest i	10. F Can/1	nace		
Commenced a	at (hour, date)**			one producing (U			
Time	Lapsed Time	Pre	ssure	Prod. Zone	Remarks		
(Hour, Date)	Since**	Upper Compl.	Lower Compl.	Temp.			
3-1-11		50	50		Se choke	450 m	nFD
3.2.11		50			5/8 olnke	475	ncto McF
3.3-11		50			Sto chuky	\$25	
3-4-11		50			3/8 chika	520	
3-5-11		50			Ste choke	510	met
3.6.11		50			Str chel	500	ms
Production rate	during test						
Oil:	BOPD based	l on	Bbls. In	Hrs	Grav	GOR _	
Gas:	MCFP	D; Test thru (Orif	ice or Meter):	MATAN			
Remarks:				• • •			
I hereby certify	that the informat	ion herein contair	ned is true and con	iplete to the best	of my knowledge.	. 1	$\overline{}$
Approved			20	Operator	75/.kH://	fac V.	Cun/a <
	il Conservation D	livision	Operator HockHill bas Kismins				
ivew Mexico o	ii Conscivution L	11151611		By Tong	2/4/2	Zin E	1
Ву				Title Fred	Hu Superate	den 7	
Title				E-mail Addre	ess		
				Date 3	27-11		

Northwest New Mexico Packer Leakage Test Instructions

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NORTHWEST NEW MEXICO PACKER LEAKAGE TEST Flow Test No. 2

Commenced a	at (hour, date)**		one producing (Upper or Lower):			
Time (Hour, Date)	Lapsed Time Since**	Pro Upper Compl.	essure	Prod. Zone Temp.	Remarks	
		50	50		Es chela	yours
3-7-11 9:00 fm. 3-8-11		55	32		shop In	Cour Side
3-9.//		12.5	325		Port lower o	Conor Side
Production rate Oil:		lon	Bbls. In	Hrs.	Grav.	GOŘ
Gas:	MCFP.	D; Test thru (Ori	_Bbls. In fice or Meter):	Mythe		
Approved	1/1 /	uhluig 3- Division	ned is true and com 91 20//	Operator Z	-	las Reserges
Title Deputy Oil & Gas Inspector, District #3				E-mail Address		

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