NAME RESERVOIR OR POOL

UPR COMP

LWR

COMP

Location of Well: J133009 Page 1

METHOD PROD

MEDIUM PROD

## OIL CONSERVATION DIVISION NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

TYPE PROD

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:FLORANCE GC E 009A Meter #:90849 RTU: - - County:SAN JUAN

UPR COMP	FLORANCE	009A BPC 9	0849		GAS	FLOW		TBG	
LWR COMP	FLORANCE 009A BMV 442021				GAS	FLOV	v	TBG	
	-	PR	E-FLO	W SHUT-IN	 PRESSURE DA	TA			
	Hour/Date	e Shut-In	Len	Length of Time Shut-In			ss. PSIG	Stabilze	∍d
UPR COMP	03/27/95			72 HRS				Yes	
LWR COMP	03/27/95		72 HR6 T			-199 T-143 C- D			
				FLOW TEST	DATE NO.1				
Comme	nced at (ho	our,date)*				Zone	Produci	ng (Upr/Lw	<del>ir)</del>
TIME LAPSED T (hour, date) SINCE*			PRESSURE Upper Lower		Proc		REMARKS		
	03/2 <b>8</b> /95 Day 1			TBO-195 CSG-196	786-135 CSO-10		Botl	n Zones SI	
	3/2 <b>9</b> /95	Day 2		TBG-198 CSG-199	1BG-143 CSG-0		Botl	n Zones SI	
	3/ <b>30</b> /95	Day 3	3	TBC 198 CSC 199	TB6-143		Botl	n Zones SI	
	3/ <b>30</b> /95	Day 4		TBC-198	186-115 CSG-0			on my, 201	ie
	0 <b>3</b> /31/95 Day 5		5	(56-199 TBG-198 (S6-199	78G-110 CSG-8		- Flowed	it	
04	04/0 <b>2</b> /95 Day 6			(Sb-199 1Bb198 CSb-199	TBb-1,05			Flowed 11 Flowed	
Produc Oil:_ Gas:_	ction rate	BOPD k	st pased MFCPI	on E :Tested th	BLs in leu (Orifice PRESSURE I	e or Met	Grav	z GOR	
	Hour, Date	SI Leng	th of	Time SI	SI Press.	PSIG	Stabilize	ed (yes/no	<u>) </u>

T-198/

T-143

c-10

(Continue on reverse side)

72 415

72 1/5

9100 Am

9:00 AW

3-28-95

#### NORTHWEST NEW MEXICO PACE IR-LEAKAGE TEST

FLOW TEST NO. 2

Zone producing (Upper or Lowers

fiour, da	10) * *		Zone producing (Upper or Lower):				
· <del></del>	LAPSED TIME	PRESSURE		PROD. ZONE	REMARKS		
de (e)	SINCE **	Upper Completion	Lewer Completion	TEMP.	REMARKS		
	<del> </del>	<del> </del>	***************************************	1			
	<del></del>		<del> </del>	-	<u> </u>		
<del></del>		T					
	ļ			-			
	1	<u></u>	1	1			
Production rate o	during test				-		
Oil:	BOI	PD based on	Bbls. i	'n ~	GOR		
G25:		MCI	FPD: Tested thin	u (Orifice or Meter	r):		
Remarks:			·				
hereby certify t	hat the informa	ion herein contain	ned is true and o	complete to the be	st of my knowledge.		
	1 /	vim bancar	^_		O Pin		
Approved A	grille.	District	1945_	Operator	Guaro Grad.		
New Mexico C	Oil Conservation	סומאוח		By	milu.		
$\cap$ $\emptyset$	, 0.0	•			ing training		
By John	my voin	more		Title	ild Technologist		
Tide Deaut	40,14625	inso Inspector		Date	3/95		

#### NORTHW: **SE MEDICO PACKER LEAKAGE TEST INSTRUCTIONS**

- 1. A packer leakage test shall be commenced on each multiply compliced 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 fracrure treatment, and whenever remedial work has been done on a well during which the packet or the tubing have been contribed. Term shall also be taken at any time that communication is suspected or when requested by the Division.
- At least 72 hours prine to the commencement of any packer leakage test, the operator shall notify the Division in with g of the exact time the ten 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 lone 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 the case of a gas well and for 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 secondance 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 temain 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: I hours term: immediately prior in the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at bourly intervals thereafter, including one pressure measurement immediately post to the conclusion of each flow period. I day term: 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 coochaion of each flow period. Inher 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 Atter District Office of the New Mexico. Oil Conservation Division on Northwest Now 2000 Packet Leakage Test Form Revised 10-01-78 with all deadweight pressures assert thereon as well as the flowing , temperatures (gas 2000es only) and greef and GOR (oil 2000s only).

STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

NAME RESERVOIR OR POOL

FLORANCE 009A BPC 90849

UPR

Put al This side of

Location of Well: J133009

METHOD PROD

FLOW

Page 1

MEDIUM PROD

## OIL CONSERVATION DIVISION NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

TYPE PROD

GAS

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:FLORANCE GC E 009A Meter #:90849 RTU:1-222-03 County:SAN JUAN

COMP	FLORANCE		GAS	FLOW		TBG		
LWR COMP	FLORANCE 009A BMV 442021				GAS FI		- WO	TBG
	· I	PR	E-FLC	W SHUT-IN I	RESSURE D	ATA		
<u> </u>	1	e Shut-In	Len	Length of Time Shut-In			ess. PSIC	Stabilzed
UPR COMP	09/1 <del>6</del> /94		72	12 HR5		TBG-200		
LWR COMP	09/16/94		7.	72 HRS		TB6-110 CSG-0		- izest no
				FLOW TEST	DATE NO.1	1		
Comme	nced at (ho	our,date)*				Zoi	ne Produc	ing (Upr(Lwr)
				PRE Upper	SSURE Lower	Pro		REMARKS
	20 9/16/94	Day 1	-	TBG-190 CSG190	TB0-100		Bo	th Zones SI
	21 9/17/94 22	Day 2	?	TBG-195 CSG-198	1BG-102 GG-0	2	Во	th Zones SI
	22 9/18/94 23	Day 3	}	TBG-200	TBG 103		Во	th Zones SI
0.9	23 9/19/94 24	Day 4		(SG-200 1BG-200 (SG-200	4BG-110	<b>I</b>	Turned	on MV. Zone
	24 9/20/94 25 9/21/94	Day 5	<del>-</del>	TBG-200 CSG-200	(SG-0 TBG-120		- Ilailu	l Var/4 70
		Day 6		196-200 CSG-200	(SG-0 780-130 CSG-0		Jun 2	4 July
Production oil:Gas:	ction rate	BOPD b	ased MFCPI	on B D:Tested th EST SHUT-IN	BLs ineu (Orific	Hrs Ce or Me	Gr eter):MET	av GOR ER
UPR COMP				[7	SI Press. PSIG		Stabili YeS	zed (yes/no)
LWR COMP	1:30pm 9-7	72	HRS	556-200 TBG-103 CSG-0			Yes of	ECEIVEN
			(Cor	ntinue on r		le)		NOV 2 3 1994

FLOW TEST NO. 2

THE			Carl President (Opport to Control					
	LAPSED TIME	PRES		PRO9. 20NE				
Prove, dated	SINCE & B	Upper Completion	Lower Completion	154,	RE ARCS			
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	DC	710 025cd Oil			3 GOR			
<b>1</b> 5:	·	мс	IPD: Tested thr	u (Orifice or Met	er):			
		мс		·	er):			
hereby certify	that the inform	ation berein conta	ined is true and	complete to the b	moco Prod.			
hereby certify Approved New Mexico	that the inform	ation betein conta	ined is true and	complete to the b	Anges Grod.			
hereby certify Approved New Mexico	that the inform	ation berein conta	ined is true and	complete to the b	est of my knowledge.  Moco Prod.			

#### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- A packer leakage sest shall be commenced on each multiply completed well within seven days after acrual completion of the well, and annually thereafter is prescribed by the order aethorizing the multiple completion. Such tests shall also be commenced on all raulaple completions within seven days following recompletion and/or chemical or fracrure recurrent, and whenever remedial work has been done on a well during which the packer or the rubing have been directed. Term shall also be taken at any time that communication is suspected or when requested by the Division.
- At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division is writing of the exact time the test is to be commenced, Offset operators shall also be so notified.
- The packer leakage test shall commence when both zones of the dual completion are shut-in for previous 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 areas does.
- 4. For Plow 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 the case of a gas well and for 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 aemosphere due to the lack of a pipeline connection the flow period shall be three hours.
- Tollowing completion of Flow Test No. 1, the well shall again be shot-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 so be the same as for Flow Test No. 1 except

- that the previously produced some shall remain shut-in while the some which was previously short-in is produced.
- 7. Pressures for gas-zone texts must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours texts; immediately prior to the beginning of each flow-period, at fafteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day texts: 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.
- 14-hour oil some texts: all pressures, throughout the ratire text, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least ratire, once at the beginning and once at the end of each text, 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 some.
- 8. The results of the above-described tests shall be filed in triplicate within 19 days after completion of the test. Tests shall be filed with the Assec Dutats Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packet Leskage Test Form Levisce 10-01-78 with all deadweight pressures indicated thereon as well as the flower temperatures (gas soons only) and gravity and GOR (oil soons only).







Job separation sheet

	<b>1</b>
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# STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

Location of Well: J133009 Page 1

### OIL CONSERVATION DIVISION NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Opera Me	tor: AMOCO eter #:9084	PRODUCTIO 9	N COM	IPANY Leas	e/Well #:F]	LORANCE (County:S	GC E 009 AN JUAN	A	
	NAME RESI	ERVOIR OR	POOL		TYPE PROD	METHOD PROD   MEDIUM E		MEDIUM PROD	
UPR COMP	FLORANCE (	009A BPC 9	0849		GAS	FLO	FLOW TBG		
LWR COMP	FLORANCE 009A BMV 442021				GAS	FLOV	FLOW TBG		
	.]	PR	E-FLO	W SHUT-IN I	PRESSIPE DA	<u>. та</u>	_		
	House /Dak								
	Hour/Date	Leng	gth of Time	Shut-In	SI Press. PSI		Stabilzed		
UPR COMP	03/27/95			72 HRS T-				Yes	
LWR COMP	03/27/95			72 HRS		7-143 C-D		Yes	
<u></u>				FLOW TEST	DATE NO.1			- I	
Commer	nced at (ho	our,date)*				Zone	Produci	ng (Upr/Lwr)	
(ho	TIME LAPSED (hour, date) SINCE			TE PRESSURE Upper Lower			Prod Temp. REMARKS		
03	3/2 <b>8</b> /95	Day		TBB-195 CSG-196	786-135 CSO-10		Bot	h Zones SI	
03	3/2 <b>9</b> /95	Day 2	2	TBG- 198 CSG-199	TBG-143		Bot	h Zones SI	
03	3/ <b>30</b> /95	Day 3		TBC - 198 CSC - 199	186-143		Bot	h Zones SI	
	3/ <b>30</b> /95	Day 4	Ī	7BC-198 CSG-199	186-115 CSG-8		Turned on my, 201e		
03	/91/95	Day 5	5	TBG- 198 CSG-199	786-110 CSG - 61		Flowed	ic	
04	1/0 <b>2/</b> 95	Day 6	5	TBG-198 CSG-199	786-1.05 CSO-80			Flowed	
Produc Dil: Gas:	ction rate	BOPD b	st pased	on B	BLs in	l Hrs	Gra	y GOP	
		M	ID-TE	ST SHUT-IN	PRESSURE I	DATA			
JPR	Hour, Date	SI Leng	th of	Time SI	SI Press.	PSIG	Stabiliz	ed (yes/no)	
COMP	3-28-95 9100 Am		72	2 his T-198/199			Yes 10		
JWR	P 3-28-95 9:00 AW						101	ECEINIE	

(Continue on reverse side)

#### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

PLOW TEST NO. 2

Zene producing (typer or Lever)

PRESEURE PROD. ZONE ALIAN TEMP.

REMARKS

PROD. ZONE TEMP.

REMARKS

Production rate duri	ng test					-
Oil:	BOPD based on	Bbls. i	n	· ***.	Çisti	GOR
G25:	M	CFPD: Tested the	u (Orifice or N	leter):		-
Remarks:					<del></del>	
					,	
I hereby certify that	the information herein cont	ained is true and o	omplete to th	e best of my	knowledge.	
Approved Agri	1 6	1995	Operator	Como	no Ir	od.
New Mexico Oil (	Conservation Division		By	Mulle	4	
By Oahmy	Polinson					
Tide Nearly	1 1+ Gas Tueses to	1 <b>-</b>	Date 4	13/95	<b></b> ,	I

#### NORTHWENT HE F MEDICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after scrual 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 requested. 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 lexkage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain thut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
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- 3. Following completion of Flow Test No. 1, the well shall again to shut in, in accordance with Paragraph 3 above.
- 6. Flow Test No. 2 shall be enducted even though no leak was in fixed 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 hours tests: immediately prior to the beginning of each flow-period, as fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: 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 Astree District Office of the New Mexico Oil Conservation Division on Northwest New 1990 Packet Leakage Test Form Revised 10-01-78 with all deadweight pressure: 1991 of therein as well as the flowing temperatures (gas soote only) and grave and GOR (oil soots only).