STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

QIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is not to be used for reporting packer lestage tests in Southeast New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator AMOCO PRODUCTION		Lease	DRYDEN LS	N	Well 1A		
ocation T f Well: Unit A	_				County _	SAN JUAN	
	NAME OF RESERVOR	OR POOL	TYPE OF P		METHOD OF PROD. (Flow or Art. UIII)	PROD, MEDIUM (Tog. or Cag.)	
Usper empletion UN	IDESIGNATED CH	HACRA	GAS	F	LOW	TUBING	
BLANCO MESAVERDE 9511		GAS	F	LOW	TUBING		
		PRE-FL(OW SHUT-IN P	RESSURE DATA			
Veger Hour days	f"T 4 1990	72 hours	∦-n ,	SI proces. parq	79 Stabille	T Nes of He)	
Lower Mour, date at	nul⊣n Y 1 4 1990	72 hours	-	SI press. perg		NO NO	
			FLOW TEST	NO. 1			
enimenced at (hour, dat	(e) *		SURE	Zone producing (Upper or Compts			
TIME flowr, date:	LAPSED TIME SINCEP	Veger Completion	Lower Completion	PROD. ZONE TEMP.		REMARKS	
MAY 1 4 1990	Day 1	392	390	21 000 00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Both	Zones SI	
MAY 15 1990	Day 2	511	514		,,,	,, 1)	
MAY 1 6 1990	Day 3	517	524		,,,	<i>N</i> 11	
MAY 1 7 1990	Day 4	519	526		MV .	المو	
MAY 1 8 1990	Day 5	520	421			·	
WAY 1 9 1990	Day 6	520	404	/	V 200	<i>/</i>	
roduction rate d	uring test						
id:	BOPD	based on	Bbls. in	Houn	s Gav	GOR	
ias:		мся	PD; Tested thru	(Orifice or Mete	x): METER		
		MID-TI	EST SHUT-IN P	RESSURE DATA			
		Langth of time an	ut-in	SI press. porg	Stabilit	Stabilized? (Yes or No)	
Lawer Hour, date t	shui-in	Langth of time sh	vi-n	SI press, perg Stability		ed? (Yes or Ho)	
	 			1	D) E	EIVE	

(Continue on reverse side)

OIL CON. DIV.

REMARKS

FLOW TEST NO. 2

Lower Completion

PRESSURE

Upper Completion

Zone producing (Upper or Lower)

PROD ZOME

TEMP

	1			
Production rate during test				
il:BOPD based on	ICFPD: Tested thru (. Hours Orifice or Meter):	Grav	GOR
Approved JUN 0 5 1990 New Mexico Oil Conservation Division			f my knowledge.	COMPANY
By _ Charles Sholes	Ву	-00		
Citie DEPUTY OIL & GAS INSPECTOR, DIST. #3		·		<i>.</i>

NORTHWEST NEW MEDICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage sent shall be enumerated on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the entering 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 packet or the tubing have been disturbed. Term shall also be taken at any time that communication is suspected or when requested by the Division.

Commenced at flour, date)##

LAPSED TIME

BINCE & B

THE

w. delej

- 2. At least 72 hours prior to the commencement of any packer leakage rest, the operator shall notify the Division in writing of the exact time the agn is to be commenced. Offset operators shall also be so optified.
- 3 The packer leakage ten shall commence when both somes of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure an each has stabilized, provided however, that they need not remain shut-in more than seven days.
- 4. For Flow Ten 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 sent shall be continued for seven days in the chit of if gap well and for 24 hours in the case of an oil well. Note: if, on an initial picket leakage ten, a gai well is being flowed to the autosphere due to the lack of a pipelink francetion the flow period shall be three hours.
- 5. Following completion of Flow Ten No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 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 assoc shall remain shut-in while the zone which was previously shut-in as produced.
- 7. Pressures for gas-zone term must be measured on each aone with a oranweight pressure gauge at time intervals as follows: 3 hours term: immediately prior to the beginning of each flow-period, at fifteen-manuer intervals during the first hour thereof, and at houriv intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day term: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway pount) 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 quentuonable test data.

24-hour oil zone tenu: all pressures, throughout the entire tent, shall be community measured and recorded with recording pressure gauger the accuracy of which assus to theeked at least rwice, once at the beginning and once at the end of each tent, with a deadweight pressure gauge. If a well is a gau-oil or an oil-gas dual completion, the recording gauge shall be required so 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 sriplicate within 15 days after completion of the test. Tests shall be filed with the Axter District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas assess only) and gravity and GOR (oil sones only).

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STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

Location of Well:

|1282808|

Page 1

OIL CONSERVATION DIVISION NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:DRYDEN LS 001A Meter #:95718 RTU:0-000-00 County:SAN JUAN

	NAME RESE	ERVOIR OR P	OOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	DRYDEN LS 001A OCH 95718		GAS	FLOW	TBG	
LWR COMP	DRYDEN LS 001A BMV 95717			GAS	FLOW	TBG
	.	PRE	-FLOW SHUT-IN	PRESSURE DA	ATA	.
•	Hour/Date	Shut-In	Length of Tim	ne Shut-In	SI Press. PS	IG Stabilzed
UPR COMP	11/18/91	191	72 Hour	's	512	45
LWR COMP	11/18/91	<i>b</i> ₁	72 Hour	's	484_	- L ₁₂ ;
	.1	<u></u>	FLOW TEST	DATE NO.1		
Comme	enced at (ho				1001 11 9	ucing (Upr Lwr)
(ho	TIME our, date)	LAPSED T SINCE*	IME PF Upper	RESSURE Lower	Prod Temp.	REMARKS
10	1/18/91	Day 1		184	<u>-2</u> 3	Both Zones SI
10	1/19/91	Day 2	5/2	78+	1	Both Zones SI
/	0/9/91	Day 3	312	484		Both Zones SI
	0/10/91	Day 4	312	484		wel lowers
	1/22/91 10/11/91 1/28/91	Day 5	312	463		
/	0112191			438		a u
Produ Oil:_ Gas:	ction rate	BOPD b	t ased on MFCPD:Tested t ID-TEST SHUT-I	theu (Ori fi c	ce or Meter):M	Grav GOR
UPR COMP	Hour, Date	e SI Leng	th of Time SI	SI Press.	n E	ا لأث
LWR COMP						08 3 18511

(Continue on reverse side)

FLOW TEST NO. 2

TIME 1971 LAPSED TIME PRESSURE PRESSURE PROD. ZONE REMARKS TEMP.	Production rate during test Dil:BOPD based onBbls. inHoursGravGOR	Commenced at (hour, date) **			Zone producing (Upper or Lower):				
Production rate during test Dil:BOPD based onBbls. inHoursGravGOR	Production rate during test Dil: BOPD based on Bbls. in Hours GOR Gas: MCFPD: Tested thru (Orifice or Meter): hereby certify that the information herein contained is true and complete to the best of my knowledge Approved DFC 3 0 1991					The second second			
Production rate during test Dil:BOPD based onBbls. inHoursGOR Gas:MCFPD: Tested thru (Orifice or Meter):	Production rate during test Dil:BOPD based onBbls. inHoursGravGOR	(hour, date)	SINCE PP (N	Upper Completion 7					
Gas: BOPD based on Bbls. in Hours Grav GOR	BOPD based on Bbls. in Hours Grav GOR Born MCFPD: Tested thru (Orifice or Meter): temarks: hereby certify that the information herein contained is true and complete to the best of my knowledge. DFC 3 0 1991			The same of the sa	THE REAL PROPERTY.	a. (第7)。"	The time of the second of the		
BOPD based on Bbls. in Hours Grav GOR Gas: MCFPD: Tested thru (Orifice or Meter):	BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter): hereby certify that the information herein contained is true and complete to the best of my knowledge. DFC 3 0 1991								
il:BOPD based onBbls. inHoursGravGOR	BOPD based on Bbls. in Hours GOR MCFPD: Tested thru (Orifice or Meter): emarks: hereby certify that the information herein contained is true and complete to the best of my knowledge DFC 3 0 1991 Operator DFC 3 0 1991 Operator MCFPD: Tested thru (Orifice or Meter): Analyze DFC 3 0 1991 Operator DFC 3 0 1991 DFC 3 0 1991 Operator DFC 3 0 1991								
il:BOPD based onBbls. inHoursGravGORas:MCFPD: Tested thru (Orifice or Meter):	BOPD based on Bbls. in Hours GOR as: MCFPD: Tested thru (Orifice or Meter): emarks: thereby certify that the information herein contained is true and complete to the best of my knowledge. DFC 3 0 1991 19 Operator Amore Arraduction								
BOPD based on Bbls. in Hours Grav GOR Base MCFPD: Tested thru (Orifice or Meter):	BOPD based on Bbls. in Hours Grav GOR Born MCFPD: Tested thru (Orifice or Meter): hereby certify that the information herein contained is true and complete to the best of my knowledge. DFC 3 0 1991 Operator Analyze			,					
BOPD based on Bbls. in Hours Grav GOR Gas: MCFPD: Tested thru (Orifice or Meter):	BOPD based on Bbls. in Hours Grav GOR Born based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter): temarks: thereby certify that the information herein contained is true and complete to the best of my knowledge. DFC 3 0 1991 Operator Amarica								
	DFC 3 0 1991 10 Operator Imoreo Froduction	Gas:		MCF	PD: Tested thru				
New Mexico Oil Conservation Division By		•	NL & GAS INSPEC	TOR, DIST. #3		Date	2/26/91		

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

 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 distructed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

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- 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 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.
- Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 6. Flow Text'No. 2 shall be conducted even though no leak was indicated during Flow Text No. 1. Procedure for Flow Text No. 2 is so be the same as for Flow Text 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, at 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 Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).