STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

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

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator AMO	CO PRODUCTION	N COMPANY	Lease _G/	ALLEGOS CANYON	UNIT "I" No	
ocation of Well: Unit H			Rgc	2	County SA	N JUAN
Well: Ulit	NAME OF RESERVO		TYPE OF PRO	DD. METI	HOD OF PROD,	PROD, MEDIUM (Tbg. or Csg.)
Upper completion GALI	LUP		OIL	AB A	ANDONED	CSG
Lower DAK	OTA		GAS	FL(DW	TBG
		PRE-FLO	W SHUT-IN PR		i Stabiliza	d? (Yas or No)
Upper Hour, date 5 Completion //- Lower Hour, date 5	-9-86	Length of time shut	975	Si press. psig 260 Si press. psig 480	Stabilize	ye5 d7 (res or No) ye5
Completion //-	-9-8b	1 3 0	/			/
	1/-/1	- s 6	FLOW TEST I		I OF LOWERT LOW	>
Commenced at (hour, da	LAPSED TIME	PRESS Upper Completion	SURE Lower Completion	PROD. ZONE TEMP,		REMARKS
11 - 9 - 86	Day 1	0 - 30	and the second		Both z	ones SI
ما8-10	Day 2	260	480	. /	Bith 2	cones SI
11-11-86	Day 3	260	480		Both Z	Lones SI
11-12-86		260	480			zones SI
11-13-86	1 '	260	395	1/		Zone Flow
11-14-86	1_	260	370		Lower	Zone Flow
Production rate					,	
Oil:	ВО	PD based on	Bbls. i	n Hours	Grav.	GOR
G25:		мс	FPD; Tested thr	u (Orifice or Meter	r):	
		MID-T	EST SHUT-IN I	PRESSURE DATA	151ahr	lized? (Yes or No)
Upper		Length of time s i Length of time s		Si press paig	No.	Silzed? (Yes or No)
Lower Hour, dal	le shul-in	Laugis or time a		L 3 ()	<u> </u>	150
				** **********************************	8 2 4 2 4	

. . .

FLOW TEST NO. 2

Commenced at (hour, di	ate) # #			, Zone producing (Upper or Lower):				
TIME (hour, date)	LAPSED TIME SINCE **	PRES Upper Completion	SSURE Lower Completion	PROD. ZONE	REMARKS			
				ļ. · · · · .	The state of the s			
·								
	•••							
					-			
Production rate of	during test				÷ · · · ·			
Oil:	ВОР	D based on	Bbls. in	Hour	s Grav GOR			
Gas:		мсғ	PD: Tested thru	(Orifice or Mete	r):			
Remarks:		· · · · · · · · · · · · · · · · · · ·						
								
I hereby certify to	hat the informati	on herein contain	ned is true and co	mplete to the be	st of my knowledge.			
Approved	•	utt 96	्राष्ट्री (perator Ame	oco Aduction Company			
Ву	riginal Signed by C	HARLES GHOLSON		·	Montoya Ement Tech			
Title	DEPUTY OIL S CAS	. inspector, dist. 4	#3 r	Date	26-86			

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 dururbed. Tests shall also be taken at any sinte 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 modify 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 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 ten shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Notice if, on an initial packet frakage tent, a gas well is being flowed to the authorphere due to the lack of a pijedine connection the flow period shall be three hours.
- 3. Following completion of Fior Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 shove.
- C. Firm Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 3 Proceedure for Firm Test No. 3 to be the same as for Firm Test No. 3 except

- that the previously produced zone shall remain shut-in while the zone which was previly shut-in is produced.
- 7. Pressures for gas-zone tests must be measured on each zone with a deadwer pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the begaing of each flow-period, at furteen-minute intervals during the fust hour thereof, an hourly intervals thereafter, including one pressure measurement immediately prior to conclusion of each flow period. 7-day tests: immediately prior to the beginning of flow period, at least one time during each flow period (at approximately the mipoint) and immediately prior to the conclusion of each flow period. Other pressure be taken as desired, or may be requested on wells which have previously shown a trionable test data.

24-hour oil zone text: all pressures, throughout the entire text, shall be continue measured and recorded with recording pressure gauges the accuracy of which much ecked at least rwice, once at the beginning and once at the end of each text, deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the ming gauge shall be required on the oil zone only, with deadweight pressures as text above being taken on the gas zone.

E. The results of the shore-described tests shall be filed in triplease within 15 day completion of the test. Tests shall be filed with the Axiec District Office of the New Me Oil Conservation Division on Northwest New Mexico Facket Leakage Test Form Les 10-01-78 with all desdweight pressures indicated thereon as well as the fior temperatures (gas zones only) and graving and GOR (oil zones only).

OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

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NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Upper mptetion GALLUP Lower mptetion DAKOTA Upper Mout, date shut-in pmptetion G-27- Lower mptetion G-27- Description G-27-	ME OF RESERVOIR	PRE-FLOV Length of time shut-in	Rge. 12 TYPE OF PRICOIN OF GAS OIL GAS W SHUT-IN PI	ZESSURE DA Si press. psig	METHOD OF PROFESSION OF ALLUIS AB AN DONED FLOW TA O TO TO TO TO TO TO TO TO	Unity SAN JUA	BG INO) Lingble to Product
Upper mpletion GALLUP Lower mpletion DAKOTA Upper Houl, date shul-in pmpletion: G-27- Lower mpletion: G-27- Sommenced at thour, date)* TIME (hour, date)	Sec. 34 Tw	PRE-FLOV Length of time shut-in Length of time shut-in Upper Completion	Rge. 12 TYPE OF PRICOD OF GAS OIL GAS W SHUT-IN PI THOUGH TEST	ZESSURE DA Si press. psig Si press. psig NO. 1 Zone producte PROD. ZON	AB AN DONE D FLOW TA O TO	SINDHIZED TO THE STATE OF THE SEMARKS	BG INO) Lingble to Product
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mimenced at (hour, data) * TIME (hour, date)	4-30-8	Upper Completion	JRE Lower Completion	Zone producti PROD. ZON	E	REMARKS	product
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TIME (hous, date)	LAPSED TIME	Upper Completion	Lower Completion	_			
(hour, date)			0	TEMP.	A D j	h = 200 E	
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10/1/87	Day 4.		<u> </u>	- 	\		
101 1	Day 5						
10/2/87	Dayle	0	0	<u>/</u>			
Production rate dur	ing test						
Oil:	ВОРІ	D based on	Bbls.	in	Hours.	Grav	GOR
Jii			77. T 1 . L.	n (Orllice or	Merer).		
G25:							
		MID-TI	EST SHUT-IN	PRESSURE D	ATA	Stabilized? (Ye	a ni Noi
Hour, date shu	1140	Length of time shi	ul-in	SI press. parg			
Completion		Length of time sh	uliin	Si press. peig	M	Stabilized? (Ye	s or No)
.Hour, date she Lower Completion	VI-IN	:			H. C	726 1837	
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(Continue on reverse side)

MORTHWEST NEW MEXICO PACKER-1250 - 1.2 - 1.2

TIME LAPSED TIME SINCE ## Upper Completion Cover Completion TEMP Production rate during test Production rate during test	PENARKS
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Remarks:	
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I hereby certify that the information herein contained is true and complete to the best p	my Knowned be
OCT 26 1987 19 Operator Amc C	o Production Co.
Approved Privilege	entoys ment Technologi

NORTHWEST NEW MEDICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage ten 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 term shall also be commenced on all multiple completions within seven days following recompletion and/or chemical of fixe-time transmittent, and whenever semedial work has been done on a well during which the parker or the rubing have been durabled. Term shall also be caken at any time that communication is mujercized or white requested by the Division.

DEPUTY CIL & GAS INSPECTOR, DIST. #3

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- 2. At least 72 hours prior to the commencement of any packet leakage test, the operator shall mindy the Division in actions of the exact state the test is to be commenced. Offset operators shall also be so notified.
- In present training ten studi commence when both somes of the dual completion are shut-in too pressure mabilitation, both somes shall remain shut-in and the well-head pressure in rate has sublitted, provided however, that they need not remain shut-in more than seven days.
- 4. For Fire Ten No. 1, one zone of the dual completion shall be produced as the normal state of production while the other sone remains thursten, both tent shall be continued for seven days in the case of a par well and for 24 hours in the case of an our well. Nince if, on an initial packet leakage tent, a gar well is being flowed so the autosophere due to the lack of a physicial reading period shall be there bount.
- 9. Felineary complexion of Flow Ten No. 1 the well shall again be shut-in, to second

- that the previously produced some shall remain shur-in while the some which we ly shur-in is produced.
- 7. Pressures for gas-some tests must be measured on each some with a pressure gauge at time intervals at follows: 3 hours tests introduced, prior to his of each flow-period, at fifteen-minute intervals during the first hou dishouth intervals distracted, including one pressure measurement immediated toorclusion of each flow period, 7-day tests immediately prior to the beging flow period, at least one time during each firm period (at approximately point) and immediately prior to the conclusion of each flow period. Other points) and immediately prior to the conclusion of each flow period.
- wonshir test data.

 Actions of some term: all premater, throughout the entire tent, shall be measured and seconder with according premate gauges the accuracy of witherheld at least rocks, once at the extinuing and once at the end of eact checked at least rocks, once at the extinuing and one at the end of eact checked at least rocks, once at the extinuing and one at Fai dad completion for gauge shall be required on the oil some only, with deadwright premate above being taken on the gar some.
- 8. The results of the short-described term in the filled in tripleste within templetion of the tern. Term thall be filled with the Aster Durser Office of the Oil Conservation Distribution on North-sent New Metrico Facility Lenkager Term 10-01-78 with all desidentials pressure independ thereon as well a service bright for some only) and covers and GOR (oil some only).

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STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

MAR1 4 1989
OIL CON. DIV 10/01/78
DIST. 3

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Complettor

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

	A 140 /	CO DECENICATI	ON COMPANY	1 G/	ALL FGO	S CANYO	N UNIT "I	Wel	181E	
Operator Location			ON COMPANY			<u> </u>	Count			
of Well: I	Unit <u>H</u>	Sec. 34		Rgc. 12	D.		THOD OF PROD.		PROD. MEDIUM (Tbg. or Csg.)	
Upper		NAME OF RESER	VOIR ON POOL							
Completion	GALI	_UP		OIL		AB	ANDONED	•	CSG	
Lower Completion	DAK)TA		GAS		FL	OW		TBG	
PRE-FLOW SHUT-IN PRESSURE DATA Stabilized? (Yes or No)										
	Hour, date s		Length of time shu		Si press. ps		_	-	•	
Upper Completion	2-	20-89	Length of time shu	ays 1	Ci prass pr	275		Stabilized? (Yes or No)		
Lower	Hour, date s	hul-in	• • •		Si piess. pi	310			yes	
Completion	12-	20-89	1 5 a	•					<i></i>	
				FLOW TEST I		roducing (Upp	er or Lowert /	low	er	
Conimenced	at (hour, da	11 2-2	3-87	eune						
	ME , dele)	LAPSED TIME	Upper Completion	Lower Completion		D. ZONE EMP.		AE	MARKS	
71	/89	DO. 1	255	200			Both	zon	es SI	
2/21	189	Do. 2	275	235			Both	zon	es st	
2/27	189	Do. 3	2.75	295	\	\bigvee	Both	201	es SI	
2/2=	3/89	Day 4	275	310	/	$\overline{}$	Both	201	es SI	
2/24	189	Day 5	975	450			Lowe	r 70	ine Flow	
2/25	5/89	Dans	9 45	1910	<u>/</u>	.\	Lowe	r 2	one Flow	
Product	ion tate (during test								
		-	OPD based on	Bbls. i	n	Hours	(G12v	GOR	
				FPD; Tested thru						
				TEST SHUT-IN P	RESSUI	RE DATA				
Upper	Hour, Gale	shul-in	Length of time a		SI press.			Stabilit	ed) (Yes or No)	
Complete		shuiin	Length of lime s	hul-In	SI press.	. gleq		Stabiliz	ed? (Yes or Ho)	
1 1000	1	·	1 -		1			1		

FLOW TEST NO. 2

Zone producing (Upper or Lowerk

	LAPSED TIME	PRESSURE		PROD. ZONE	REMARKS		
TIME (hour, date)	SINCE ##	Upper Completion	Lower Completion	. TEMP.			
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hereby centify	that the informa	tion herein contai	ined is true and o	ompiete to the b	est of my knowledge.		
Approved		AR 1 4 1989	19	Operator 1	roco Avaliction Co.		
New Mexico	Oil Conscrvation	Division	:	By Bren	noco Abduction Co. du Simbetta		
	Oasinal Signed b	CHARLES GHOLSON	. '	. 17	iff asst.		
By	 		1-	Tide	A asset		
Tide	DEPUTY CIL a.GA	S INSPECTOR, DIST.	#3 	Date	3/13/89		
1106				*	\$ control of the second of the		

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

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Commenced at (hour, data) ++

- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall mittly 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 short-in for pressure trabilitation. Both zones shall remain shur-in until the well-head pressure in each has trabilited, provided however, that they need not remain shur-in more than seven days.
- 4. For Flow Ten No. 1, one zone of the dual completion shall be produced at the normal trace of production while the other zone remains shur-in. Such ten 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 ten, a gas well is being flowed to the authorphete due to the lack of a pipeline connection the flow period shall be three hours.
- 3. Following completion of Now Test No. 1, the well shall again be shut-in, in accordance with Euregraph 3 shove.
- 6. Fire Ten No. 2 shall be conducted even though no leak was indicated during Flow Ten III. 1 for the fire Iven I to No. 1 to the start at fire I tow Ten No. 1 except

- that the previously produced zone shall remain shut-in while the zone which was proly shut-in is produced.
- 7. Pressures for gainone term must be measured on each zone with a dead pressure gauge at time intervals as follows: I hours term: immediately prior to the bing of each flow-period, at fifteen-minute intervals during the first hour thereof, hourly intervals thereafter, including one pressure measurement immediately prior conclusion of each flow period. 7-day term immediately prior to the beginning of flow period, at least one time during each firm period (at approximately the repoint) and immediately prior to the conclusion of each flow jetiod. Other pressure taken as desired, or may be requested on wells which have previously shows tionable test data.

24-hour oil sone teru: all presures, throughout the entire tert, shall be correctly and recorded with recording presure gauges the accuracy of which an effected at least rwice, once at the beginning and once at the end of each tert, deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the ing gauge shall be required on the oil sone only, with deadweight pressures as a shove being taken on the gas sone.

8. The results of the above-described term shall be filed in triplicate within 13 decompletion of the tert. Term shall be filed with the Azier Diraket Office of the New Oil Conservation Dirakion on Northwest New Mexico Parket Leakage Tern Form 10-01-78 with all dead-weight pressures indicated thereon as well as the temperatures (gas zones only) and gravity and GOR (oil zones only).