### **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		CONOCO INC		Lease _	SAN JUA	N 28-7 UNI	Well No.	108 (PM)		
Location of Well: 1	Unit <u>H</u>	Sec. <u>16</u> '	Гwp27	Rge	07	Сои	nty <u>RIC</u>	ARRIBA		
		NAME OF RESERVO	IR OR POOL	1	TYPE OF PROD. (Oil or Gee)			PROD, MEDIUM (Tbg. or Cag.)		
Upper PICTURED CLIFF			GAS	GAS FL			TBG.			
Lower Completion	Lower			GAS		FLOW		TBG.		
			PRE-FLO	W SHUT-IN P	RESSURE DA	ATA				
Upper	Upper Hour, date shut-in Length of time shut-in				SI press, psig Slabilized? (Yes or No)			s or No)		
Lower Completion	Lower Hour, date shut-in Length of time			-in	SI press. paig	235	Stabilized? (Ye			
				FLOW TEST	NO. 1					
Consmenced	et (hour, det	* 04-19			Zone produc	ing (Upper or Lowerk L	OWER			
TIM (hour,		LAPSED TIME SINCE*	PRESS Upper Completion	PRESSURE Upper Completion Lower Completion		IE	REMAR	EMARKS		
04-1	7-94	1-Day	155	200		вотн до	NES SHU	T -IN		
04-1	8 <u>-95</u>	2-Days	155	230		вотн до	BOTH ZONES SHUT -IN			
04-1	04-19-95 <b>3-Days</b>			235		вотн го	BOTH ZONES SHUT -IN			
04-2	0-95	1-Day	155	88		LOWER 7	ONE FLO	MING		
04-2	1-95	2-Days	155	87		LOWER 2	ZONE FLO	WING		
Productio	on rate di	aring test								
Oil:		BOPI	D based on	Bbls. in	n }	Hours(	Grav	GOR		
Gas:			MCFF	D; Tested thru	(Orifice or	Meter):				
			MID-TE	ST SHUT-IN P	RESSURE D	ATA				
Upper Completion	Hour, date st	nut-in	Length of time shut	i-in	SI press, psig	<u> </u>	Stabilized? (Y	es or No)		
Lower Completion	Hour, date si	nut-in	Length of time shut	t-in	SI press. paig	F total	Stabilized? (Y	es or No)		
•										
			•			Ber State Control of the Control of	104 1			
						***				

OIL COR. DIV.

(Continue on reverse side)

FLOW TEST NO. 2

ommenced at (hour, da	1	<del></del>	Zone produzing (Upper er Lower):				
TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE			
11001, 0010)	SINCE	Upper Completion	Lower Completion	TEMP,	REMARKS		
:		MCFI	PD: Tested thru	(Orifice or Meter)	:		
narks:	· · · · · · · · · · · · · · · · · · ·						
<del></del>	-						
ereby certify tha	at the informatio	n herein containe	d is true and con	nplete to the hest	of my knowledge.		
New Mexico Oil	Conservation Di	vision	_ 19 O;	perator	CONOCO INC		
interaction on	JUN 1 4 199		Ви		RON BISHOP		
DEP	UTY OIL & GAS INS	PECTOR	Ti	PHODE	CITAL COLONIAL C		
	- OLE G GAO IIVO	LOTOR	<b>D</b> .		0 000. IWC.		
			<i>D</i> ;		<u> </u>		

### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer image 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 semain 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 ease of a gas well and for 24 hours in the ease 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.
- 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 hours tests: immediately prior to the beginning of each flow-pessed, at fulteen-minute intervals during the first hour theteof, and at hourly intervals theseafter, 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 twige, 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).



# STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

### OIL CONSERVATION DIVISION

OM GOM, DINEWISED 10/01/78
DIST. 3

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## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator		CONO	CO INC	Lease _	san j	UAN 2	8-7 UNI	Wo T_ No	:ll . <u>1</u>	08	(PM)	
_ ` .									RIO I	RRI	BA	
or weil:	Unit H Sec. 16 Twp. 27			TYPE OF P	PROD. METHOD OF		ETHOD OF PROD Flow or Art. Lift)	).	PROD. MEDIUM (Tbg. or Csg.)			
Upper Completion		PICTURED (	GAS	FLOW			TBG.			•		
Lower Completion		MESA VERDI	GAS	GAS			FLOW			TBG.		
	PRE-FLOW SHUT-IN PRESSURE DATA											
Upper	Hour, date s	hut-in		Length of time shut-in		SI press. psig		Stabilized? (Yes or No) NO				
Completion		-03-96	3-D	3-DAYS		130 St press. palg		Stabilized? (Yes or No)				
Lower Completion	Hour, date s	) – 03 – 96		3-DAYS		165		NO				
Completion	10	7-03-70			<b>N</b> 147. 1							
			0.05.06	FLOW TEST		oducing (Upp	er or Lower):	T	OWER			
			0-06-96 PRES	PRESSURE		PROD. ZONE						
TIME L		LAPSED TIME SINCE*	Upper Completion	Lower Completion	TEMP.	REMARKS						
10-04	-96	1-DAY	125	150	ļ		вотн	ZONES	SHUT	IN		
10-05	-96	2-DAYS	130	160			вотн	ZONES	SHUT	IN		
10-06	-96	3-DAYS	130	165	ļ		вотн	ZONES	SHU	' IN		
10-07	7-96	1-DAY	130	85			LOWER	ZONE	FLOW	ING		
10-08-96 2		2-DAYS	130	92			LOWER	ZONE	FLOW	ING		
					<u> </u>							
		uring test		•								
Oil:		BOP!	D based on	Bbls. ir	1	Hours.		Grav	(	GOR		
G25:			МСР	PD; Tested thru	(Orifice	or Metet)	):					
MID-TEST SHUT-IN PRESSURE DATA												
Hour, date shut-in Length of					St press, psig Stabilized? (Yes or No)							
Upper Completion  Lower Completion			Length of time shu	11-ln	SI press. psi	ss. psig Stabilized? (Yes or No)						

FLOW TEST NO. 2

1	SED TIME	PRES Upper Completion	SURE Lewer Completion	PROD. ZONE TEMP.	REMARKS
(frour, date) \$4	NCE * #	Upper Completion	Lewer Completion	TEMP.	REMARKS
					*
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oduction rate during te	est				
il·	BOPD	hased on	Bbls in	Hours	Grav GOR
as:	<del> </del>	МСЯ	PD: Tested thru	(Orifice or Meter)	):
emarks:					
inatks:		· <del></del>	<del></del>		
			<b>.</b>		
nereby certify that the i	ntormati <b>o</b> n	herein containe	d is true and co	mpiete to the best	or my knowledge.
proved	DEC 06	1996	_ 19 C	perat@ONOCO	INC
New Mexico Oil Conse	rvation Div	ision		-	MIN BIGHOD
	0, $0$				
·	Sanut Ca	P GAL	т	ide E	
Depu		as Inspector			
ile		<del></del>	D	ate	

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