API # 30-

30-039-21774

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

erator B	BURLIN	GTON	RESOURC	ES OIL & GA	s co.		Lease	JICARILLA 10	3		Well No.	10
ation		_	<b>a</b> .	47	Т	0061	Das	004W	County	RIO ARRIBA		
Well:	Unit	_D	Sect	17	Twp.	026N	Rge.	PE OF PROD.		OD OF PROD.		D. MEDIUM
			NAME O	RESERVOIR	OR POO	L	11		1		i	bg. or Csg.)
	1							(Oil or Gas)	(110)	w or Art. Lift)	(1)	og. of Csg.)
Upper ompletion	MES	MESAVERDE						Gas Flow		Flow		Tubing
Lower ompletion	DAKOTA							Gas		Flow		Casing
					PRE-	FLOW SHUT-IN	PRESS	URE DATA				
Upper	Hou	ır, date sl	hut-in	Length of	time shut-	in	SI p	ress. psig		Stabilized? (Y	es or No)	
ompletion		4/10/98			120 Hours			169				
Lower	+			+								
completion	4/10/98				72 Hours			809				:-
						FLOW TE	ST NO.	1				
`ommence:	d at (hou	r date)*			4/13/98	3		Zone producing	(Upper or l	Lower) LO	OWER	
Commenced at (hour,date)*  TIME LAPSED TIME				PRESSURE			PROD. ZONE		-			
hour,date)		SINCE*		Upper Co	Upper Completion Lower Comp		letion	темр		RE	MARKS	
nour,uate)	SINCE		- SPP - S									
4/14/98		96 H	Hours	18	i1 	217				·		
4/15/98		120 Hours		20	203 186					1 1 m 1 1 5 m		-
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									100	JUN 1	9 1998	שו
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										100	D D	$\Pi \Pi T$
	+									<b>छा</b> छाः	3	H (1/0
oduction ra	ate durin	g test							<u>.</u>			
il:		BOI	PD based on		Bbls.	. in	Hour	s	Grav.		GOR	
		_		. comp		(O 'C ) Mark	->.					
as:				MCFPD;	i estea unru	ı (Orifice or Mete		· · · · · · · · · · · · · · · · · · ·				
						D-TEST SHUT-				F = 2 · · · ·	<del></del>	<del></del>
Upper Completio		our, date	shut-in	Length	of time shu	ıt-in	SI	press. psig		Stabilized?		
Lower Completio		Hour, date shut-in		Length	Length of time shut-in		SI	SI press. psig Stab		Stabilized?	(Yes or No	)

(Continue on reverse side)

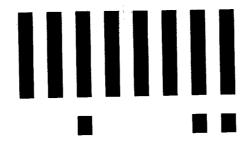
FLOW TEST NO. 2

Commenced at (hour, )	Date) + +	<b>,</b>		Zone producing (Upp	er er Lowert		
TIME	LAPSED TIME SINCE **	PRES	SURE	PROD. ZONE			
(hour, date)		Upper Completion	Lower Completion	TEMP,	REMARKS		
·	<del>-  </del>						
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Production rate o	during test						
- · ·							
Jil:	BOPI	D based on	Bbls. in	Hours.	Grav GOR		
					:		
		MCF	rd: lestea tina	(Ortice or Meter):			
lemarks:	an gang yang sa dinggan danggan dan dinggan dan dingga						
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hereby certify th	hat the information	n herein contains	od in some and an-		of my knowledge		
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New Mexico O	il Conservation Di	vision	•	11.1.			
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itle	eputy Oil & Gas	inspector		11.	~ / 00		
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#### 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 distructed. 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 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 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 hours tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hoursy 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).







**Job separation sheet** 

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STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

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# NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

erator BU	RLINGTON RESOURCES	OIL & GAS CO.		Lease	JICARILLA 103			Well No. <u>10</u>	
ation				Dan	004W	County R	IO ARRIBA		
	Unit D Sect 1	·	026N	Rge.	PE OF PROD.		OF PROD.	PROD. MEDIUM	
	NAME OF RI	ESERVOIR OR POOL	•	1	(Oil or Gas)		Art. Lift)	(Tbg. or Csg.)	
Upper			Gas		w	Tubing			
Completion	MESAVERDE	Gas		Flo	Flow				
Lower Completion	DAKOTA								
		PRE-F	LOW SHUT-IN			T	Stabilized? (Ye	es or No)	
	Hour, date shut-in	Length of time shut-	in	SI p	ess. psig	1 .	Januara, (16	/	
Upper Completion	4/16/99	120 Hours		170					
Lower Completion	4/16/99	72 Hou		760					
	4,15,00		FLOW TE	EST NO.	1	(Times on I	ower) IO	 WER	
	1 -4 (hour date)*	4/19/99			Zone producing	(Upper or L	JWEI) LO		
Commenced at (hour,date)*  TIME LAPSED TIME		PRESSURE			PROD. ZONE	İ	REMARKS		
TIME (hour,date)	SINCE*	Upper Completion	Upper Completion Lower Complet		TEMP		KEN	ARKS	
4/20/99	96 Hours	170	170 140		!				
4/21/99	120 Hours	170 150					<u>~~3'9'.</u>	10 77	
						1	JAn	*	
						T/N	RECE	2000	
							DIST.	ON S	
			+			1	<u> </u>		
					<u> </u>		<u> </u>		
Production r	rate during test							ستعشد	
	BOPD based on	Bbls	. in	Ho	ırs.	Grav.		GOR	
Oil:									
Gas:		MCFPD; Tested the	ru (Orifice or M	(eter):					
		M	ID-TEST SHU	T-IN PR	ESSURE DATA				
		Length of time s			SI press. psig		Stabilized?	(Yes or No)	
Upper Completi	Hour, date shut-in						Stabilized'	? (Yes or No)	
Lower Completi	Hour, date shut-in	Length of time s		SI press. psig					

(Continue on reverse side)

FLOW TEST NO. 2

	LAPSED TIME	DDEG	SSURE	Zone producing (Upper or Lower):			
(hour, date)	SINCE **	Upper Completion	Lower Completion	PROD. ZONE TEMP.	REMARKS		
oduction rate duri							
l:	BOI	PD based on	Bbls. in	Hours	GravGOR		
S:	<del></del>	MCFPD:	Tested thru (Orifice	or Meter):	GlavGOR		
narks:			(	or meter).			
robe and it is							
reov certify that t	he information herei	n contained is true ar	nd complete to the be	est of my knowledge			
	•	-000					
proved			One	fator Burlington l	Dasanwasa		
Vew Mexico Oil (	Conservation Division	on	Ope	rator Burlington	Resources		
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New Mexico Oil (	Conservation Division	en Se T. Perren	Ву	Operations Association	· · · · · · · · · · · · · · · · · · ·		

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