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

										Well		
Operator B	BURLINGTON RESOURCES OIL & GAS CO.						SAN JUAN 28	-6 UNIT	UNIT		68	
Location												
of Well:	Unit	L	Sect	13 Twp.	027N	Rge.	006W	County	RIO ARRIBA			
	NAME OF			RESERVOIR OR POOL		TYPE OF PROD.		METHOD OF PROD.		PROD. MEDIUM		
	!						(Oil or Gas)		(Flow or Art. Lift)		(Tbg. or Csg.)	
Upper Completion	n PICTURED CLIFFS					Gas		Flow			Tubing	
Lower Completion	MESAVERDE						Gas		Flow		Tubing	
				PRE-	FLOW SHUT-IN	I PRESS	URE DATA					
Upper	Hour, date shut-in		ut-in	Length of time shut-in			SI press. psig Sta		Stabilized? (Y	bilized? (Yes or No)		
Completion	06/07/2002		2002	144 Hours		154				_		
Lower												
Completion	oletion 06/07/2002		2002	96 Ho	203							
					FLOW TE	ST NO.						
Commenced at (hour,date)*				06/11/2002		Zone producing	(Upper or	Lower) LO	WER			
TIME	LAPSED TIME		TIME	PRESSURE			PROD. ZONE					
(hour,date)	nour,date) SINCE*		E*	Upper Completion Lower Comp		letion	TEMP		REM	REMARKS		
06/12/2002	120 Hours		lours	154 122			opened lower zone		ed lower zone			
06/13/2002	144 Hours		lours	154 122					1.7			
						4.		opene	opened upper zone			
					2		2.71.2					
						,						
				·								
				No.								
					X							
roduction rate	during	test				!						
oil		BOPE	based on	Bbls. i	in	Hours		Grav.		GOI	·	
Gas:				MCFPD; Tested thru	(Orifice or Mete	1):						
				MID	TEST SHUT-IN	PRESS	URE DATA					
Upper Completion	Hour, date shut-in		nut-in	Length of time shut-in		SI press. psig			Stabilized? (Yes or No)			
Lower Completion				Length of time shut-in			ress. psig	Stabilized? (Yes or No)				
343302 304	<u> </u>			L	(Continue on							

(Continue on reverse side)

FLOW TEST NO. 2

ommenced at (hour, d	fate)**			Zone producing (Upper or L	ower):
TIME	LAPSED TIME	PRES	SURE	PROD. ZONE	REMARKS
(hour, date)	SINCE **	Upper Completion	Lower Completio	n TEMP.	REMARKS
-					
	 	-			 .
			·		
oduction rate du	iring test				
:1.	D	OPD based on	Dhla in	Haven	Grav GOR
	В	OFD based on	Buis. III	nours	Grav GOR
is:		MCFPI	D: Tested thru (O	rifice or Meter):	, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
marks:					
nereby certify that			and complete to	the best of my knowledge	e.
proved	JUN 282	15	.	Operator Burlingto	on Resources
	oil Conservation Div	ision	,	Darningto	1 ·
THE WINDAIGO	in conservation biv	ision		By Mores L	lan
Chie	imal signed by c	HAPILIE T. POPPEN			0
				Title Operations As	ssociate
tle	DETY OIL & GAS	INSPECTOR, SHOT.	B	Date Wednesday, J	uno 10, 2002

NORTHWEST NEWMEXICO 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 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 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 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 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).