30-045-24020

STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

Page I 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 [	BURLINGTON RESOURC	ES OIL & GAS CO.		Lease	THOMPSON			Well No.	5 <b>M</b>
Location									
of Well:	Unit   Sect	33 Twp.	031N	Rge.	012W	County	SAN JUAN		
	NAME OF	RESERVOIR OR POOL		Т	YPE OF PROD.	METI	HOD OF PROD.	PRO	DD. MEDIUM
					(Oil or Gas)	(Fle	w or Art. Lift)	1	bg. or Csg.)
Upper Completion	MESAVERDE				Gas		Flow		Tubing
Lower Completion	DAKOTA				Gas		Artificial		Tubing
		PRE-F	LOW SHUT-IN	PRESS	SURE DATA			<u> </u>	
Upper	Hour, date shut-in	Length of time shut-in			ress. psig		Stabilized? (Ye	s or No)	
Completion	4/20/98	120 Hou	ırs		170		,	,	
Lower						<u>`</u>			
Completion	4/20/98	72 Hou	rs		440				
			FLOW TES	ST NO.	1				
	at (hour,date)*	4/23/98			Zone producing (	Upper or l	Lower) LO	WER	
TIME	LAPSED TIME	PRES			PROD. ZONE				
(hour,date)	SINCE*	Upper Completion	Lower Comple	etion	ТЕМР		REM	ARKS	
4/24/98	96 Hours	337	4:20			turnec	d on (MV), lower	zone disc	conncted, "no
4/25/98	120 Hours	310	410						
					9 84 EF CV	END	TEST.		
				FF (5.4					
			JU	1. 1.	1 1998				
	i				I. DIV.				
Production rate	during test		——————————————————————————————————————		<del>ि हो</del>	<u> </u>			
Dil:	BOPD based on	Bbls, in		Hours.		Grav.		GOR	
								-	
3as:		MCFPD; Tested thru (O	rifice or Meter):						
		MID-T	EST SHUT-IN	PRESS	URE DATA				
Upper Completion	Hour, date shut-in	Length of time shut-in	1	SI pr	ress. psig		Stabilized? (Yes	s or No)	
Lower Completion	Hour, date shut-in	Length of time shut-in		SI pr	ress. psig		Stabilized? (Yes	s or No)	
	·	-l							

(Continue on reverse side)

FLOW TEST NO. 2

BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):		1(4) स स	<del>,</del>		Zone producing (Upper or Lower):			
SINCE STATE   DOOM COMMISSION   LOWER COMMISSION   TEMP.   AEMARKS    COLOR rate during test   BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):			PAES	SURE	PROD. ZONE			
ction rate during test  BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):		SINCE * #	Upper Completion	Lower Completion		REMARKS		
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):								
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):			ļ					
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):					<del></del>			
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):		•			)			
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):		· · · · · · · · · · · · · · · · · · ·	<del>*</del>					
BOPD based onBbls. inHoursGravGORMCFPD: Tested thru (Orifice or Meter):								
BOPD based onBbls. inHoursGravGORMCFPD: Tested thru (Orifice or Meter):		1	<del> </del>		<del></del>			
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):				} . }				
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):			<u> </u>					
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):								
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):		<del></del>						
BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter):								
BOPD based onBbls. inHoursGravGOXMCFPD: Tested thru (Orifice or Meter):		<del></del>	· · · · · · · · · · · · · · · · · · ·	1 1	· · · · · · · · · · · · · · · · · · ·			
	ukş:		МСБ	PD: Tested thru (	Orifice or Meter): _			
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Operator Bulungta provinces  Sew Mexico Oil Conservation Division  Sephring Rollinson  Deputy Oil & Gas Inspector  Title Construct Conservation  Title Conservation Conservation  Deputy Oil & Gas Inspector		Deputy Oil & C	Gas Inspector	Ti	de Conation	n associate		

## NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test intail be commenced on each multiply completed well within teren days after actual completion of the well, and annually thereafter is prescribed by the order authorizing the multiple completion. Such tests shall also be commenced or 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 time that communication is suspected or when requested by the Division.
- 2. At least 12 hours pixet 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 sinus-in for pressure irabilization. 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.
- 1. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal case 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 Tent No. 1, the well shall again be shut-in, in accordance with Paragraph 5 above.
- 6. Flow Test No. 2 shall be conducted even shough 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 tero: immediately prior to the beganning 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 detured, or may be requested on wells which have previously shown questionable test data.
- 24-hour oil zone teru; 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 resect, 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.
- If 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 Astec 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).