STATE OF NEW MEXICO ENERGY and MINEFIALS 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

Derator L.P. Moore			Lease	<u>Federal E</u>	No1 (CM)		
rion		Twp27	Rge	8	Cou	inty San Juan	
	NAME OF RESERVOIR OR POOL		TYPE OF PR (Oil or Gai	ROD.	METHOD OF PROD (Flow or Art. Lift)	D. PROD. MEDIUM	
per pletion Cha	acra		Gas	Gas F		TBG	
wer pletion Mes	sa Verde		Gas		Flow	TBG	
		PRE-FLC	OW SHUT-IN PR	RESSURE DAT/	١		
Hour, date	shut-in	Length of time shut	1	SI press. palg		Stabilized? (Yes or No)	
iplellon 5-9-		4 Da		320		yes	
ower Hour, date		Length of time shut		SI press. psig		Stabilized? (Yes or No)	
			FLOW TEST I	NO. 1			
menced at (hour, de	(ate)* 05/13/	791			Opper or Lower): U	Jpper	
TIME (hour, date)	LAPSED TIME SINCE*	PRESS Upper Completion	SURE Lower Completion	PROD. ZONE TEMP.		REMARKS	
05/10/91	l Day	300	325		Both Zo	Both Zones Shut in	
05/11/91	2 Day	312	330		Both Zo	ones Shut in	
05/13/91	4 Day	320	330		Both Zo	Both Zones Shut in	
05/14/91	l Day	280	332		Upper Z	Upper Zone Prod	
05/15/91	2 Day	205	335		Upper Z	Upper Zone Prod	
05/16/91	3 Day	178	340		Upper Z	Zone Prod	
oduction rate o	during test	-	,				
l:	ВОР	'D based on	Bbls. in	Hou	rs (Grav GOR	
s:2/	46	MCFI	PD; Tested thru	(Orifice or Met	er):Me	ter	
		MID-TT	EST SHUT-IN PR	RESSURE DATA	\		
Hour, date Upper impletion	shut-in	Length of time shu	.I-In	SI press, paig		Stabilized? (Yes or No)	
Hour, dele		Length of time shu		SI press, pelg		Stabilized? (Yes or No)	

(Continue on reverse side)

OIL CON. DIV

MAY1 7 1991

FLOW TEST NO. 2

BOPD based onBbls. inHoursGravGOR	ommenced at (hour, date	e) 丰中		Zone producing (Upper	or Lower):	
BOPD based on Bbls. in Hours GOR			\			REMARKS
bil:BOPD based onBbls. inHoursGravGOR	(hour, date)	SINCE TT	Upper Completion	Lower Completion	TEMP.	TIEMPTING
hereby certify that the information herein contained is true and complete to the best of my knowledge. New Mexico Oil Conservation Division BOPD based on Bbls. in Hours GOR BOPD based on Bbls. in Hours Grav GOR MCFPD: Tested thru (Orifice or Meter): ernarks: hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge. hereby certify that the information herein contained is true and complete to the best of my knowledge.	ļ			1		
bil: BOPD based on Bbis. in Hours GOR GOR GOR GOR Bbis. in Hours Grav GOR GOR GOR Bornarks: MCFPD: Tested thru (Orifice or Meter): emarks: MAY 17 1991 19 Operator Proper MAY 17 1991 19 Operator Proper Conservation Division By For the first first formula and complete to the best of my knowledge Proper Conservation Division By For the first formula and complete to the best of my knowledge Title Title Title Title Title Title Title Title						
Dil:BOPD based onBbls. inHoursGravGOR					· •	
Production rate during test Dil:BOPD based onBbls. inHoursGravGOR Gas:MCFPD: Tested thru (Orifice or Meter): Herically certify that the information herein contained is true and complete to the best of my knowledge. ApprovedMAY 1 7 1991					<u> </u>	
Production rate during test Dil:BOPD based onBbls. inHoursGOR						
Dil:BOPD based onBbls. inHoursGOR						• • • •
BOPD based onBbls. inHoursGravGOR						
New Mexico Oil Conservation Division By Section that Title Fumper DEPUTY OIL 8 GAS INSPECTOR DIST 413						
BOPD based onBbls. inHoursGORBornarks:MCFPD: Tested thru (Orifice or Meter):			<u> </u>	<u> </u>	<u> </u>	
MCFPD: Tested thru (Orifice or Meter): Memarks: MCFPD: Tested thru (Orifice or Meter):	roduction rate du	iring test				
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hereby certify that the information herein contained is true and complete to the best of my knowledge. Approved MAY 1 7 1991 New Mexico Oil Conservation Division By Jackin Angle Title Fumper DEPUTY ON 8 GAS INSPECTOR DIST 413	-ari		MCE	DD. Tassad share	(O-:C M)	
hereby certify that the information herein contained is true and complete to the best of my knowledge. Approved	J.S		——— MCI	rb. rested and	(Office of Meter):	
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New Mexico Oil Conservation Division By Serie Harf						
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New Mexico Oil Conservation Division By Section that Title Fumper DEPUTY OIL 8 GAS INSPECTOR DIST 413	hereby certify tha	it the information at the second seco	on herein contain	ed is true and cor	nplete to the best of	of my knowledge.
New Mexico Oil Conservation Division By Section that Title Fumper DEPUTY ON 8 GAS INSPECTOR DIST 413	Approved	MAY 17 18	391	_19 0	perator L.P.	Moore
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Date S. 77-77	DEPUTY	OIL & GAS INSPI	ect o r, dist. #3	_	/	
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			NORTHWEST NEV	7 MEXICO PACKER LE	AKAGE TEST INSTRUCTION	ONS .

- 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 recompletions 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 nortfy the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
- 1. 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 communed 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.
- G. Flow Test'No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedute 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 13 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).