# 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 Mexic

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

PRE-FLOW SHUT-IN PRESSURE DATA  PRE-FLOW SHUT-IN PRESSURE DATA  SI press. 1949  (1/27/89  Simbilitared? (Yes or No)  PRE-FLOW TEST NO. 1  Simple shuth (1/189)  FLOW TEST NO. 1  PRESSURE  THOW. Gate shuth (1/189)  FLOW TEST NO. 1  PRESSURE  THOW TEST NO. 1  PRESSURE  TOWN (1/189)  PRESSURE  TOWN (1/189)  FLOW TEST NO. 1  PRESSURE  TOWN (1/189)  TOWN (1/189)  PRESSURE  TOWN (1/189)  TOWN (	in Southeast	New Mexico P	OKIHME21 ME	W MILAICO 111		•		
The result of the reservoir or pool.    NAME OF RESERVOIR OR POOL   TYPE OF PROD.   METHOD OF PROD.   PROD. RECEIVED OF PROD.	( <b>,</b> :	0 - 1040	Patraleum	Lesse C	regulla	J. J.	No. 22	
No.	erator UNC	on Illas	7 200 207		- /	<i>(</i>	Rio arriba	
POPER POPER POPER OF ACT OF THE PRESSURE DATA  TOWN THOU, date smith \$ 30 A.M. Length of time shipfin \$1 press, page 39 PLOW, date smith \$100 Best on \$100 PLOW TEMP.  TOWN TEST NO. 1  Zone producting (Upper or Lower) Upper Completion   Lower Completion   Lower Completion   Light of time shipfin   Lower Completion   Lower Completion	ation Well: Unit	Sec. 25 T	wp. <u>26 N</u>	Rge <u></u>	W			
PRE-FLOW SHUT-IN PRESSURE DATA  PRE-FLOW SHUT-IN PRESSURE DATA  PRE-FLOW SHUT-IN PRESSURE DATA  SI DISPOSED 1989  PRE-FLOW SHUT-IN PRESSURE DATA  SI DISPOSED 1989  PRE-FLOW SHUT-IN PRESSURE DATA  SI DISPOSED 1989  PRESSURE TO HOD  PRESSURE PRODUCTION  FLOW TEST NO. 1  SINDLERST (TER OF HOD  PRESSURE PRODUCTION  FLOW TEST NO. 1  SINDLERST (TER OF HOD  PRESSURE PRODUCTION  TEMP.  PRODUCTION  PRESSURE DATA  SIDDING  SIDING  PRESSURE DATA  SIDING  SIDING  PRESSURE  PRODUCTION  PRESSURE  PRODUCTION  PRESSURE  PRODUCTION  PRESSURE  PRODUCTION  PRESSURE  PRODUCTION  SIDING  PRESSURE  PRODUCTION  PRESSURE  PRODUCTION  PRESSURE  PRODUCTION  PRESSURE  PRODUCTION  PRESSURE  PRODUCTION  PR					•.	THOD OF PROD. Flow or Art. Lift)		
PRE-FLOW SHUT-IN PRESSURE DATA  PRE-FLOW SHUT-IN PRESSURE DATA  SI press. 1949  (1/27/89  Simbilitared? (Yes or No)  PRE-FLOW TEST NO. 1  Simple shuth (1/189)  FLOW TEST NO. 1  PRESSURE  THOW. Gate shuth (1/189)  FLOW TEST NO. 1  PRESSURE  THOW TEST NO. 1  PRESSURE  TOWN (1/189)  PRESSURE  TOWN (1/189)  FLOW TEST NO. 1  PRESSURE  TOWN (1/189)  TOWN (1/189)  PRESSURE  TOWN (1/189)  TOWN (		HAME OF RESERVOIR	TOR POOL	400				
PRE-FLOW SHUT-IN PRESSURE DATA    PRE-FLOW SHUT-IN PRESSURE DATA	Ipper apietion	Isaver	de	Gra Flow		wing	my 1 mount	
PRE-FLOW SHUT-IN PRESSURE DATA    John   Caste Shutsh   9:30 A.M.   Length of time shufsh   Si press. psig   Q   Q	ower /	111	hat	Oil	Oil Flowing		2 Tubing	
Simple   Now.   Action   Simple   Sim	npietion JA	cup s	AROCK FIG.	W CHILT IN DR	ESSURE DATA	0	0	
Hour, date shut-in   Langth of time shut-in   Si press, paig   Siabilized? (Yea or No)			PRE-FLO	W SHUI-IN PR		Stat	Hized? (Yes or No)	
How, date shut-in   Length of time shut-in   Spreak page   39   FES   Stabilized? (Yes or No)	J <del>oper</del> /	/ • • •	3 day	12	606	Stell	/VO	
FLOW TEST NO. 1  Summarced at throw, data) ** (1/30/89 8:30 A.M.   Zone producting (Upper or Lower): Upper Completion   TIME   LAPSED TIME   Upper Completion   Dover Completion   TEMP.   REMARKS    1/28/89   AAU   569   39   39   39   39   39   39   39	Hour, date shut-in Length of time shut			···· ,	", 1 29		1 \ /	
TIME LAPSED TIME PRESSURE PRODUCING (Upper or Lower): UPPER OR LAPSED TIME SINCE* Upper Completion Lower Completion TEMP.  11/28/89	mpletion (1///	189	1 4 Cul	us.				
TIME					iO. 1	or and amorting (A. A.	hher	
TIME   LAPSED TIME   Upper Completion   Lower Completion   TEMP.     1/38/89	nmenced at (hour, dat	101 1/30/89						
1/28/89   day   569   39							REMARKS	
1   28/89   Apr   369   39   39   39   8:30 A.M.   11/39/89   3day   606   39   39   59°   8:30 A.M.   448   39   59°   12/2/89   5day   30 \rightarrow 39   39°   39°   30°		3.002	-10	30				
8:30 A.M. 11/30/89 3days 60 G 39 8:30 A.M. 21/89 4days 38 39 59° 8:30 A.M. 12/2/89 5days 30 3 39 59° 12/2/89 5days 30 3 39	11/28/89	1 day	567					
8:30 A.M.  11/30/89 3 days 606 39  8:30 A.M.  448 39 59°  8:30 A.M.  12/2/89 5 days 300 39 59°  Production rate during test  Dil:	8:38 A.M.	adais	588	39		<u> </u>	·	
8:30 A.m. 4 days 448 39 59° 8:30 A.m. 5 days 30 3 39 59° 8:30 A.m. 5 days 30 3 39 59° 8:30 A.m. 6 days 30 3 39° 8:30 A.m. 6 days 30 3 39° 8:30 A.m. 6 days 30 3 3	8:30 A.M.		1.06	39				
Stabilized? (Yes or No)   Stabilized? (Yes or No)   Stabilized? (Yes or No)   Lorer   Hour, date shul-in   Length of time shul-in   St press. psig   Stabilized? (Yes or No)		3 any	000	- 0	500		·	
Production rate during test  Dil:BOPD based onBbls. inHoursGravGOR  BOPD based onBbls. inHoursGravGOR  MCFPD; Tested thru (Orifice or Meter):  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shut-in	12/1/89	4 days	448	39	·			
BOPD based onBbls. inHoursGOR  MCFPD; Tested thru (Orifice or Meter):  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shut-in Length of time shut-in St press. psig Stabilized? (Yes or No)  Lower Hour, date shut-in Length of time shut-in St press. psig Stabilized? (Yes or No)  Lower Completion	8:30 A.M	1 5 days	300	39	59		The second secon	
BOPD based onBbls. inHoursGOR  MCFPD; Tested thru (Orifice or Meter):  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shut-in Length of time shut-in St press. psig Stabilized? (Yes or No)  Lower Hour, date shut-in Length of time shut-in St press. psig Stabilized? (Yes or No)  Lower Completion	1-10-10 1-	1 FE						
Dil:BOPD based onBbls. inHoursGravGOR  MCFPD; Tested thru (Orifice or Meter):  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shut-in					<u></u>		·	
MCFPD; Tested thru (Orifice or Meter):  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shul-in  Lower Completion  Lower Completion  Lower Completion	roduction rate	during test					COR	
MCFPD; Tested thru (Orifice or Meter):  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shut-in  Length of time shut-in  Lower Completion  Lower Completion  MCFPD; Tested thru (Orifice or Meter):  MID-TEST SHUT-IN PRESSURE DATA  Stabilized? (Yes or No)  Stabilized? (Yes or No)  Lower Completion	\	BOI	D based on	Bbls. i	n Hou	rs Gr	av GOK	
Upper Hour, date shut-in Length of time shut-in SI press, paig Stabilized? (Yes or No)  Lower Completion Hour, date shut-in Length of time shut-in SI press, paig Stabilized? (Yes or No)	/11		1461	CDD. Taxad the	· (Orifice or Met	er):	ter	
Upper Hour, date shul-in Length of time shul-in SI press. psig Stabilized? (Yes or No)  Lower Completion Longth of time shul-in SI press. psig Stabilized? (Yes or No)	Gas:							
Upper Completion Longth of time shut-in St press, parg Stabilized? (Yes or No)  Lower Completion Completion						<u> </u>	labilized? (Yes or No)	
Lower Completion Length of time shul-in			Length of time si	Length of time shul-in				
Completion	Completion: Hour, date shut-in		Length of time s	Length of time shut-in				
	Lower				<u> </u>		The War and U and	
							) DEC1 51989	

n reverse side)

#### FLOW TEST NO. 2

TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		Zone producing (Upper or Lowert			
		Upper Completion	Lower Completion	PROD. ZONE	REMARK		
					,	et e le service	
				1			
		-					
duction rate d	uring test				-		
	ВОРГ	) based on	Bbls. in	Hours	G12V	_ GOR	
		MCFP	D: Tested thru (	Orifice or Meter):	· · · · · · · · · · · · · · · · · · ·		
eby casify al-	at the information	herein someine				<del>-</del>	
coy certify this		. netern contame	ing time and com	plete to the best o	f my knowledge.		
eby certify the	DEC 1.5.19	PRG					
roved	DEC 1.5 19 Conservation Di	389	19 Op	erator Unio	Tem Se	tuleur	
roved w Mexico Oil	Conservation Di	189 vision	19 Op	Barbar	- Teyn Pe a Norma	tuleur	
roved :w Mexico Oil <b>Ori</b> g	UEU 15 B	J89 vision ARLES GHOLSON	19 Op	Barbar	Temper Norma Lion and	tyleus Lyst	

### 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 temedial work has been done on a well during which the packer or the rubing 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 authosphere 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 5 shove.
- 6. Flow Tent'No. 2 shall be conducted even though no leak was indicated during Flow Tent Fig. 1. Enterdure for Flow Tent No. 2 is to be the same as for Flow Tent No. 1 except

- that the previously produced 200e shall remain shut-in while the 200e 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 furteen-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 Astee 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).