## 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 teskage tests in Southeast New Mexico

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Deperator NATIONAL COOP REFINERY ASSOCIATES CANDADO  No. 20 Location of Well: Unit A Sec. 3 Twp. 26 N Rgc. 7W County RID ARRIBA  NAME OF RESERVOIR OR POOL 1964 Well: Unit A Sec. 3 Twp. 26 N Rgc. 7W County RID ARRIBA  HAME OF RESERVOIR OR POOL 1964 Well: Unit A Sec. 3 Twp. 26 N Rgc. 7W County RID ARRIBA  TYPE OF PROD. SETTING OF PROD. 1964 Well: Unit Of Well: Unit	_	NATI	MAI COAD	REFINERY A	SSOCIESSE	CAN	IDAD	٥	Well _ No.	_20	
Upper Competition OTERO CHACRA GAS FLOW TBG  Lever Competition OTERO CHACRA GAS FLOW TBG  PRE-FLOW SHUT-IN PRESSURE DATA  Upper Hour, data shut-in Length of time shut-in Si press, paig Stabilised? (res or No)  Lever JOHN TBY STORY  Upper JOHN TBY STORY  Upper JOHN TBY STORY  Individual shut-in Si press, paig Stabilised? (res or No)  VES  FLOW TST NO. 1  Commanced at Bour, datap / D—11—89  FLOW TEST NO. 1  Commanced at Bour, datap Since IIII Upper Competition Lever Competition TELEPT,  THE LAPSE DIME Upper Competition Lever Competition TELEPT,  DOI:								Count	y RIZ	ARRIBA	
Competition   OTERO CHACRA   GAS   FLOW   TBG-   Competition   DLANCO MESAUEROE   GAS   FLOW   TBG-   PRE-FLOW SHUT-IN PRESSURE DATA   Silbulitated? (res or No)					TYPE OF PROD.		ME		•		
PRE-FLOW SHUT-IN PRESSURE DATA    PRE-FLOW SHUT-IN PRESSURE DATA   Stabilized (Yes or No)   Yes		OTERO CHACRA		GAS		FLOW			TBE		
Upper   Hour, date shut-in   Length of time shut-in   St press, palg   Stabilized? (Yes or No.)		BLANCO MESAVERDE								TBG	
Hour, date shut-in   Completion   10 - 8 - 8 9				PRE-FLO	W SHUT-IN PR	LESSURE	DATA				
Lewer   Hour, date shult   Length of time shult   Si press, palg   Stabilited? (res or No)		Hour, date st	ut-in	Length of time shut	-In	•	Stabilized? (Yes or No)				
Length of lime shutter   Length of lime shutter   St press, page   Stabilized? (res or No)		10-	8-89	3 DI	ays i						
FLOW TEST NO. 1  Conveneed at (hour, date) # /D -    89  TIME   LAPSED TIME   PRESSURE   PROD. ZONE   REMARKS    D -    3 - 89   3 DAY   5 - 20   380   DECEMBER    D -    3 - 89   3 DAY   5 - 20   380   DECEMBER    D -    3 - 89   3 DAY   5 - 20   380   DECEMBER    D -    3 - 89   3 DAY   5 - 20   380   DECEMBER    D -    3 - 89   3 DAY   5 - 20   380   DECEMBER    D -    3 - 89   OIL CON. DIV.     DIST. 3   DIST. 3      D -    3 - 89   DIST. 3      D -    4 - 89   DIST. 3      D -    5 - 89   DIST. 3      D -    6 - 1989      D		Hour, date st	rul-in	Length of time shul	l-in ,	SI press. psig			1		
FLOW TEST NO. 1  Commenced at (hour, date)* / D -   - 89		10	-8-89	1 3DA	145	5	504			V O	
TIME TOWN, date   LAPSED TIME   LAPSED TIME		<u> </u>			FLOW TEST 1			· .			
TIME nour, date)  LAPSED THEE SINCE*  Upper Completion Lower Completion TEMP.  DOCT 1 6 1989  OCT 1 6 1989  OIL CON. DIV.  DIST. 3  Production rate during test  Oil:BOPD based onBbls. inHoursGravGOR	Consmenced	at (hour, det	1 1 D-11-	89		Zone p	roducing (Upp	er or Lowerk	(0 W	ER	
Production rate during test  Oil:	Ti	ME		PRESS		7		REMARKS		ARKS "	
Production rate during test  Oil:BOPD based onBbls. inHoursGravGOR		_	SINCE*	Upper Completion	Lower Completion		MP.				
Production rate during test  Oil:BOPD based onBbls. inHoursGravGOR  Gas:32MCFPD; Tested thru (Orifice or Meter):FFR.  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shutten	10-1	3-89	3 DAYS	520	380			P. EGEI		IAE	
Production rate during test  Oil:BOPD based onBbls. inHoursGravGOR  Gas:32MCFPD; Tested thru (Orifice or Meter):METER  MID-TEST SHUT-IN PRESSURE DATA  Upper   Hour, date shul-in   Length of time shul-in   SI press. psig   Slabilized? (Yes or No)    Lever   Hour, date shul-in   Length of time shul-in   SI press. psig   Slabilized? (Yes or No)						<u> </u>					
Oil:BOPD based onBbls. inHoursGravGOR  Gas:32MCFPD; Tested thru (Orifice or Meter):METER  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shut-in								OIL CON. DIV.			
Oil:BOPD based onBbls. inHoursGravGOR  Gas:BOPD based onBbls. inHoursGravGOR  MCFPD; Tested thru (Orifice or Meter):METER  MID-TEST SHUT-IN PRESSURE DATA  Upper Hour, date shut-inLength of time shut-inSI press. psigStabilized? (res or No)  Lower Hour, date shut-inLength of time shut-inSI press. psigStabilized? (res or No)		; <b>-</b> -					-				
Oil:BOPD based onBDB. III	Product	ion rate d	uring test								
MID-TEST SHUT-IN PRESSURE DATA  Upper Completion   Length of time shut-in   SI press, psig   Stabilized? (res or No)    Lower Hour, date shut-in   Length of time shut-in   SI press, psig   Stabilized? (Yes or No)	Oil:		BOP								
Upper Completion Length of time shut-in SI press, psig Stabilized? (res or No)  Lower Hour, date shut-in Length of time shut-in SI press, psig Stabilized? (res or No)	Gas: MCFPD; Tested thru (Orifice or Meter): METER_										
Upper Completion Length of time shul-in SI press, psig Stabilized? (res or No)  Length of time shul-in SI press, psig Stabilized? (res or No)  Length of time shul-in SI press, psig Stabilized? (res or No)				MID-T	EST SHUT-IN P	RESSUR	E DATA				
Lower   Lower   Longth of time shul-in   Length of time shul-in   Si press, psig			shul-in			· · · · · · · · · · · · · · · · · · ·			Stabilized? (res or No)		
Completion	Lower	Hour, date	shul-in	Length of time sh	out-in	SI press.	paig		Stabilized	? (Yes or No)	

REMARKS

FLOW TEST NO. 2

Lower Completion

PRESSURE

**Upper Completion** 

Zone producing (Upper or Lower)

PROD. ZONE

TEMP.

		• • • • • •	<u> </u>		F**	tiget is recorded.
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					• · · · · · · · · · · · · · · · · · · ·	
Production rate during test					• -	••
Oil:BOP	D based on	Bbls.	in	Hours	Grav	GOR
Gas:	MCFI	PD: Tested thr	n (Orifice o	r Meter): _		·
Remarks:						
I hereby certify that the informati OCT 16 19					my knowledge.	
Approved New Mexico Oil Conservation I			Ву			· .
Original Signed by C	HARLES GHOLSON		Title	Pum	PER	
Title PEPUTY OIL & GAS II	NSPECTOR, DIST. #3		Date	10-	15-89	

## 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 disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

Commenced at (hour, date) \*\*

TIME

(hour, date)

LAPSED TIME

SINCE \* \*

- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator thall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
- 3. The parker 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 How Ten 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 ten 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 aumorphise 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 shows:
- 6 Time Terr'No. 2 shall be conducted even though no leak was indicated during Flow

- that the previously produced zone shall termin 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 theteof, 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 sone terts: all pressures, throughout the entire test, shall be continuously measured and seconded with seconding 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 Artec District Office of the New Messes Oil Conservation Division on Northwest New Messes Packet Leakage Test From 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).