

STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

Location of Well: M292909 Page 1

OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:HAMNER 003E
Meter #:93988 RTU:0-000-00 County:SAN JUAN

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	HAMNER 003E OCH 93988			
LWR COMP	HAMNER 003E DK 93958			

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized
UPR COMP	06/10/91	72 Hours	370	400
LWR COMP	06/10/91	72 Hours	565	425

FLOW TEST DATE NO.1

1991 06 030

Commenced at (hour,date)*

Zone Producing (Upr/Lwr)

TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		Prod Temp	REMARKS
		Upper	Lower		
06/10/91	Day 1	198	219		Both Zones SI
06/11/91	Day 2	358	540		Both Zones SI
06/12/91	Day 3	365	560		Both Zones SI
06/13/91	Day 4	370	565		flowed lower zone
06/14/91	Day 5	358	206		"
06/15/91	Day 6	362	200		"

Production rate during test

Oil: _____ BOPD based on _____ BBLs in _____ Hrs _____ Grav _____ GOR _____

Gas: _____ MFCPD:Tested thru (Orifice or Meter):METER

MID-TEST SHUT-IN PRESSURE DATA

RECEIVED

	Hour, Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				DEC 3 0 1991
LWR COMP				OIL CON. DIV. DIST. 3

(Continue on reverse side)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

FLOW TEST NO. 2

Continuation of Form NW-100-1					
TEST Name, Date	LAPSED TIME Since 00	PRESSURE		Zone producing (Stop or Restart)	REMARKS
		Upper Completion	Lower Completion		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD: Tested thru (Orifice or Meter): _____

Remarks: _____

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved DEC 30 1991 19 _____
New Mexico Oil Conservation Division

By _____ Original Signed by CHARLES GHOLSON

Title _____ DEPUTY OIL & GAS INSPECTOR, DIST. #3

Title _____

Operator AMOCO PRODUCTION CO.

By [Signature]

Title FIELD TEST CO-ORDINATOR

Date 8/23/91

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiple completion well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such test shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatments, 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 on 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 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.
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 by shut-in is produced.

7. Pressure for gas-zone tests must be measured on each zone with a differential pressure gauge at four intervals as follows: 3 hours test: immediately prior to the start of each flow period, at fifteen-minute intervals during the first hour three hourly intervals thereafter, including one pressure measurement immediately prior to conclusion of each flow period. 7-day test: immediately prior to the beginning flow period, at least one time during each flow period (or approximately the point) and immediately prior to the conclusion of each flow period. Other tests may be altered, or may be requested on wells which have previously the suitable test data.

24-hour oil zone test: all pressures, throughout the entire test, shall be measured and recorded with recording pressure gauges the accuracy of which checked at least twice, once at the beginning and once at the end of each or deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, a logging gauge shall be required on the oil zone only, with deadweight pressure on above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days completion of the test. Tests shall be filed with the Area District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form 10-01-78 with all deadweight pressure indicated thereon as well as the temperature (gas zone only) and gravity and GOR (oil zone only).