

OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #: PRITCHARD 003
Meter #: 75205 RTU: 2-054-01 County: SAN JUAN

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	PRITCHARD 003 MV 416721 <i>CSG</i>	GAS	FLOW	CSG
LWR COMP	PRITCHARD 003 DK 75205 <i>TBG</i>	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized
UPR COMP	12/16/91	72 Hours	<i>349</i>	<i>No</i>
LWR COMP	12/16/91	72 Hours	<i>1358</i>	<i>yes</i>

FLOW TEST DATE NO. 1

Commenced at (hour, date) *

				Zone Producing (Upr/Lwr)	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		Prod Temp.	REMARKS
		Upper	Lower		
12/16/91 <i>17</i>	Day 1	<i>402</i>	<i>1358</i>		Both Zones SI
12/17/91 <i>18</i>	Day 2	<i>426</i>	<i>1358</i>		Both Zones SI
<i>Upper</i> 12/18/91 <i>19 am</i>	Day 3	<i>429</i>	<i>1358</i>		Both Zones SI
12/19/91 <i>20</i>	Day 4	<i>349</i>	<i>1358</i>		<i>flow both zone flowed upper zone flowed upper zone</i>
12/20/91 <i>21</i>	Day 5	<i>430</i>	<i>1360</i>		
12/21/91 <i>22</i>	Day 6	<i>436</i>	<i>1368</i>		

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

	Hour, Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				RECEIVED
LWR COMP				DEC 30 1991
				OIL CON. DIV

(Continue on reverse side)

DIST. 3

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Page

FLOW TEST NO. 2

FLOW TEST NO. 2					
Time (hour, date) **		Zone producing (Upper or Lower):			
Time, date	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ GOR _____
 _____ MCFPD: Tested thru (_____ or Meter): _____

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

DEC 30 1991

Approved _____
 New Mexico Oil Conservation Division

Operator _____

By _____

Title _____

Date _____

Original Signed by CHARLES GRIFFIN
 DEPUTY OIL & GAS INSPECTOR, DIST. #3

Title _____

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST INSTALLATION

1. The packer leakage test shall be commenced on a dual completion well within seven days after completion of the well, and annular seal hereafter as prescribed by the multiple completion. Such tests shall also be commenced on multiple completion wells within seven days following recompletion and/or chemical or treatment 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. Operators shall also be notified.
3. The packer leakage test shall commence when both zones of the dual completion are shut-in for production stabilization. Both zones shall remain shut-in until the wellhead pressure in each zone is stabilized, provided however, that they need not remain shut-in more than seven days.
4. For Flow Test No. 1, one zone or 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 producing zone shall remain shut-in and 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 of fifteen minutes during the first hour thereof, and at hourly intervals thereafter, including one measurement immediately prior to the conclusion of each flow period. 7-day tests: at least one time during each flow period (at approximately the midway point) and immediately prior to the completion of each flow period. Other pressures may be taken as desired, or may be required for reasonable test data.
- 24-hour oil zone tests: all pressures must be 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 dual completion, the recording gauge shall be run on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
8. The results of the tests described shall be filed in triplicate within 15 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).