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STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

OIL CON. DIV.
DIST. 3

Location of Well:

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OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #: Omier A #7E
OK Meter #: 484730 - GCNM RTU: — Dakota County: SAN JUAN
Chacra 93880 - El Paso 225 CHACRA

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	<u>Omier A7E</u> <u>CHACRA</u>	GAS ✓	FLOW ✓	TBG ✓
LWR COMP	<u>Omier A7E</u> <u>Dakota</u>	GAS ✓	FLOW ✓	TBG ✓

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized
UPR COMP	<u>2 / 24 / 95</u> <u>1:30</u>	<u>72 Hrs</u>	<u>460 Tubing</u> <u>460 Casing</u>	<u>Yes</u>
LWR COMP	<u>2 / 24 / 95</u> <u>1:30</u>	<u>72 Hrs</u>	<u>395 Tubing</u> <u>2</u>	<u>Yes</u>

FLOW TEST DATE NO.1

Commenced at (hour, date) * <u>2/27/95 @ 12:30</u>				Zone Producing (Upr/Lwr) <u>Dakota</u>	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		Prod Temp.	REMARKS
		Upper	Lower		
<u>2 / 27 / 95</u> <u>12:30</u>	Day 1	<u>460</u>	<u>395</u> <u>8 Casing</u>	<u>69</u>	Both Zones SI
<u>2 / 28 / 95</u> <u>1:45</u>	Day 2	<u>460</u>	<u>110</u> <u>2 Casing</u> <u>Loggs off</u>	<u>67</u>	Both Zones SI
<u>3 / 01 / 95</u> <u>11:00</u>	Day 3	<u>460</u>	<u>120</u> <u>8 Casing</u> <u>Loggs off</u>	<u>67</u>	Both Zones SI
<u>03 / 02 / 95</u> <u>11:30</u>	Day 4	<u>470</u>	<u>120</u> <u>8 Casing</u> <u>Loggs off</u>	<u>66</u>	
<u>3 / 13 / 95</u> <u>2:40</u>	Day 5	<u>485</u>	<u>145</u> <u>8 Casing</u> <u>Tubing</u>	<u>65</u>	Line Pressure up
<u>3 / 14 / 95</u> <u>3:10</u>	Day 6	<u>490</u>	<u>150</u> <u>8 Casing</u> <u>Tubing</u>	<u>66</u>	Line Pressure up

Production rate during test

Oil: 2 BOPD based on 8.2 BBLs in 144 Hrs 55.8 Grav — GOR —
Gas: 223 MFCPD: Tested thru (Orifice or Meter): METER
MID-TEST SHUT-IN PRESSURE DATA 1.125 Op 4.026 Meter Run

	Hour, Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP	<u>2 / 24 / 95</u> <u>1:30</u>	<u>242 Hrs</u>	<u>490 Casing</u> <u>490 Tubing</u>	<u>Yes</u>
LWR COMP	<u>3 / 4 / 95</u> <u>2:10</u>	<u>48 Hrs</u>	<u>8 Casing</u> <u>264 Tubing</u>	<u>Yes</u>

FLOW TEST NO. 2

Commenced at (hour, date) **				Zone producing (Upper or Lower) <u>CLACRA</u>	
TIME (hour, date)	LAPSED TIME SINCE **	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
3/7/95 1:50	23 HRS	210 Tubing 321 Casing	262 Tubing S Casing	59	
3/8/95 12:45	23 HRS	162 Tubing 298 Casing	265 Tubing S Casing	61	
3/9/95 2:30	26 HRS	165 Tubing 295 Casing	279 Tubing S Casing	62	
3/10/95 1:15	23 HRS	162 Tubing 298 Casing	281 Tubing S Casing	60	
3/10/95 2:05	25 HRS	165 Tubing 295 Casing	290 Tubing S Casing	61	
3/11/95 12:05	22 HRS	162 Tubing 295 Casing	292 Tubing S Casing	63	

Production rate during test

Oil: 8 BOPD based on 8 Bbls. in 144 Hours. ✓ Grav. ✓ GOR ✓Gas: 87 MCFPD: Tested thru (Orifice or Meter): .625 OP 4.026 Meter EDRemarks: DAKOTA SIDE NEEDS INTERMITTER VALVE AND CLOCK TO PREVENT Logging off
MCFD Would likely INCREASE AND MAINTAIN - CLACRA Sides Automated

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

Approved Johanny Robinson 19 95

New Mexico Oil Conservation Division

MAR 22 1995

By DEPUTY OIL & GAS INSPECTORTitle DEPUTY OIL & GAS INSPECTOROperator Amoco Production CompanyBy Bob StovallTitle Field TechDate 3/13/95

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiple 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.

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 operations 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 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 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 15 days after 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 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).