



BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

February 21, 1980

Lively Exploration Co
1010 First City National Bank Building
Houston, Texas 77002

Re: Lively #7Y
E-35-30N-8W

Gentlemen:

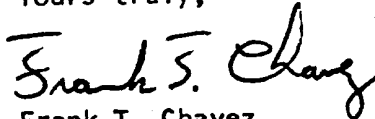
The attached Packer-Leakage test was inconclusive in proving zone separation.

Please reschedule and retest the well in such a manner as to prove zone separation.

Please advise this office by telephone prior to test in order that such test may be witnessed.

If there are any question, please contact us.

Yours truly,


Frank T. Chavez
Deputy Inspector

FTC:no

Enclosure

This form is not to
be used for reporting
packer leakage tests
in Southeast New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

Revised 11-1-58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Lively Exploration Co. Lease Lively Well No. 7-Y
Location of Well: Unit E Sec. 35 Twp. 30 N Rge. 8 W County SAN JUAN
Type of Prod. Method of Prod. Prod. Medium
(Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)
Name of Reservoir or Pool

Upper Completion	<u>CHACRA</u>	<u>GAS</u>	<u>FLOW</u>	<u>CSG</u>
Lower Completion	<u>DAKOTA</u>	<u>GAS</u>	<u>Flow</u>	<u>TBG</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date <u>3:30 P.M.</u> Shut-in <u>2-9-80</u>	Length of time shut-in <u>3 days</u>	SI press. psig <u>485</u>	Stabilized? (Yes or No)
Lower Compl	Hour, date <u>3:30 P.M.</u> Shut-in <u>2-9-80</u>	Length of time shut-in <u>3 days</u>	SI press. psig <u>485</u>	Stabilized? (Yes or No)

FLOW TEST NO. 1

Commenced at (hour, date)* <u>3:45 P.M. 2-12-80</u>				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>3:00 P.M.</u>					
<u>2-13-80</u>	<u>1 DAY</u>	<u>485</u>	<u>330</u>		
<u>2:45 P.M.</u>					
<u>2-14-80</u>	<u>2 DAYS</u>	<u>485</u>	<u>280</u>		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: 146 MCFPD; Tested thru (~~Orifice~~ or Meter): _____

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Lower Compl	Hour, date Shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

FLOW TEST NO. 2

Commenced at (hour, date)**				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

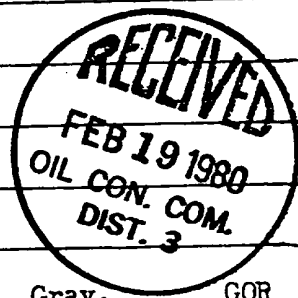
REMARKS: _____

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

Approved: [Signature] 19 _____
New Mexico Oil Conservation Commission

By Retort Requested

Title _____

Operator Lively Exploration Co.By Maxine WheelerTitle AgentDate 2-15-80

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 Commission.
2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission 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 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-hour 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 Aztec District Office of the New Mexico Oil Conservation Commission on Northwest New Mexico Packer Leakage Test Form Revised 11-1-58, with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only). A pressure versus time curve for each zone of each test shall be constructed on the reverse side of the Packer Leakage Test Form with all deadweight pressure points taken indicated thereon. For oil zones, the pressure curve should also indicate all key pressure changes which may be reflected by the recording gauge charts. These key pressure changes should also be tabulated on the front of the Packer Leakage Test Form.

Both zones shut-in

Upper zone shut-in
Lower zone flow

