

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Caulkins Oil Company Lease _____ State "A" Well No. 62
Location _____
of Well: Unit A Sec. 2 Twp. 26 North Rge. 6 West County Bio Arriba
Type of Prod. Method of Prod. Prod. Medium
(Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)

Upper Completion	Mesa Verde	Gas	Flow	Tubing
Lower Completion	Dakota	Gas	Flow	Tubing

PRE-FLOW 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. 1

Commenced at (hour, date)* <u>10:00 AM 9-19-76</u>				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since*	Pressure Upper Compl. Lower Compl.		Prod. Zone Temp.	Remarks
<u>10:00 AM 9-20-76</u>	<u>24 hrs.</u>	<u>345</u>	<u>738</u>		<u>Both zones shut in</u>
<u>10:00 AM 9-21-76</u>	<u>48 hrs.</u>	<u>351</u>	<u>796</u>		<u>Ditto</u>
<u>10:00 AM 9-22-76</u>	<u>72 hrs.</u>	<u>359</u>	<u>806</u>		<u>MV shut in-Dakota opened</u>
<u>10:00 AM 9-23-76</u>	<u>24 hrs.</u>	<u>365</u>	<u>256</u>		<u>Dakota Flowing</u>
<u>10:00 AM 9-24-76</u>	<u>48 hrs.</u>	<u>369</u>	<u>249</u>		<u>Ditto</u>

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: _____ 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 Upper Compl. Lower Compl.		Prod. Zone Temp.	Remarks

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: _____ 19 _____
New Mexico Oil Conservation Commission

By _____

Title _____

Operator Caulkins Oil Company

By Charles C. Cargill

Title Superintendent

Date 9-29-76

100-44467-100

1. A packer leakage test shall be conducted on all new packers installed in a well within seven days after the completion of the well. The test shall be conducted thereafter as prescribed on the well log. The test shall be conducted on all new packers. Such tests shall also be conducted on all existing packers installed in a well within seven days following recompletion of the well. The test shall be conducted on all packers and whenever remedial work has been done on the well casing within the packer or the tubing have been distributed. The test shall be conducted on all packers. If that communication is suspected, the test shall be conducted on all packers.

2. At least 72 hours prior to the commencement of the test, the operator shall notify the test agency in writing that the test is to be commenced. The notification shall include the following information:

3. The packer leakage test shall commence immediately after well completion are shut-in for pressure build-up. The packer shall remain shut-in until the well-head packer is tested and found satisfactory; however, if they need not remain shut-in.

4. For Flow Test Sample the test shall be conducted at the normal rate of flow of the gas being tested. Such test shall be continued for 24 hours for 24 hours in the case of a gas which is not a leakage test. A gas which is not a leakage test of a pipe, the pipe shall be tested for 24 hours.

5. Following completion of the above, the
in, in accordance with the following:

6. Flow Test No. 2 shall be conducted in accordance with the procedure described in the test plan during Flow Test No. 1. The test shall be conducted in accordance with the test plan, and the results shall be as for Flow Test No. 1.

Flow rate was measured at each point in time during each flow period as follows: 3-hour tests were conducted by measuring the flow rate at each flow-period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter. Standstill air pressure measurement immediately prior to the commencement of each flow period (3-hour tests) immediately prior to the beginning of each 15-minute interval (1-hour tests) and at least one time during each flow period (approximately the midway point) immediately prior to the beginning of each flow period (6-hour tests). Other measures may be taken as desired, or the test repeated in ways which have previously shown questionable test results.

* 1 hour of zone testing; all pressures throughout the entire test

1. In the case of a gas well, all pressures throughout the entire test should be continuously recorded with recording pressure gauges. In the case of an oil well, pressures should be checked at least twice, once at the starting and once at the end of each test, with a deadweight pressure gauge.

2. In the case of a gas well or an oil-gas dual completion, the recording pressure gauge should be checked in the oil zone only with deadweight pressure gauges at the end of each test on the gas zone.

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