

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC NM 87410

[506] 334-6176 FAX: [506] 334-6170

Page 1 Revised 11/16/98

APR 2000 http://emaild.state.nm.ueload/District H/3district.htm

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

01.00% THE 061.3 NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

| Operator | Mallon Oil (| Company | Lease Nar | neJi | carilla 458-6 | Well No3 |
|----------------------|------------------------------|------------------|------------------|---------------------------------------|--|-------------------------------|
| Location of | Well:Unit Letter | G Sec 6 | Twp_30N | Rge 3\ | API # 30-0 <u>39</u> -25 | 782 |
| | NAME OF RESE | RVOIR OR POOL | | F PROD. r Gas) | METHOD OF PROD. (Flow or Art. Lift) | PROD.MEDIUM (Tbg. or Csg.) |
| Upper Completion | Cabresto Car San Jose Ext | nyon | G | as | Flow | Tbg |
| Lower Completion | Pictured Cli | ffs | G | as | Flow | Tbg |
| | | DDE | | I DOFOOLIS | | |
| Upper | Hour, date shut-in | - FRE-I | Length of time | N PKESSUR | E DATA Si press. Psig | Challe 40 Cd |
| Completion | 1:30 PM 4/ | 7/00 | 72 | | • | Stabilized? (Yes or No) |
| Lower | Hour, date shut-in | .,,,,,, | Length of time | | 110 psig | Yes |
| Completion | 1:30 PM 4/ | 7/00 | 72 1 | | 320 psig | Stabilized? (Yes or No) |
| | | | | ST NO. 1 | JZU PSIg | Yes |
| Commenced at | (hour, date)* 1:30 | PM 4/10/0 | | | (Upper or Lower): Lower | ~ |
| TIME | LAPSED TIME | PRESS | | PROD. ZON | _ | |
| (hour,dale) | SINCE* | Upper Completion | Lower Completion | TEMP. | | REMARKS |
| 4/18/65 | 0 | 110 | 320 | | Open Pictur | od C1: FF C1 |
| 4;38/8 8 | 5 hrs | 109 | 82 | | | ed Cliffs to flo |
| 47i39o8M | 10 hrs | 108 | 75 | | 1 | tured Cliffs |
| 4;39/AH | 15 hrs | | | · · · · · · · · · · · · · · · · · · · | i i | tured Cliffs |
| 2;39/ 8 ₩ | 1 | 108 | 65 | | | tured Cliffs |
| 4/11/00 1:30 PM | 20 hrs | 109 | 61 | | Flowing Pic | tured Cliffs |
| 4/11/00 | 24 hrs | 109 | 60 | | Flowing Pic | tured Cliffs |
| Production ra | te during test | | | | , | |
| Dil: N/A | Α | BOPD based | on | Bbls. in | HoursGr | avGOR |
| Gas: 43 | 5 | MCFP | D; Tested thru | (Orifice or M | eter): <u>Meter</u> | |
| | | MID-1 | EST SHUT-IN | PRESSURE | - DATA | |
| Upper Completion | Hour, date shut-in | N/A | Length of time s | | SI press psig | Stabilized? (Yes or No) |
| Lower | Hour, date shut-in | NT / A | Length of time s | hut-in | SI press. psig | Stabilized? (Yes or No.) |

(Continue on reverse side)

FLOW TEST NO. 2

| Commenced | at (hour, date)* | 2:00 PM | 4/11/00 | Zone producing (Upper or Lowr): Upper | | | |
|---------------------|------------------------|---------------------------|---------|---------------------------------------|-----------------------|--|--|
| TIME (hour,date) | LAPSED TIME Since** | PRESS Upper Completion | | PROD. ZONE | REMARKS | | |
| 2:00 PM 4/11/00 | 0 | . 109 | 60 | | Open San Jose to flow | | |
| 7;00 PM 4;11/00 | 5 hrs | 60 | 210 | | Flowing San Jose | | |
| 121990AM | 10 hrs | 50 | 240 | | Flowing San Jose | | |
| 5:00 AM | 15 hrs | 50 | 260 | | Flowing San Jose | | |
| 49i29odM | 20 hrs | 50 | 275 | | Flowing San Jose | | |
| 2,99,88 | 24 hrs | 50 | 290 | | Flowing San Jose | | |

Production rate during test

| Oil: N/A BOPD based on Gas: 255 MCFPD: | Bbls Tested thru (C | s. in Orfice or Met | _Hours er): <u>Me</u> | Grav | GOR |
|--|------------------------|------------------------|--------------------------|-----------------|------|
| Remarks: Chart clock time running | ng fast t | o watch | time. | | · |
| I hereby certify that the information herein contain | ned is true an | id complete | to the bes | of my knowledge | · · |
| Approved APR 1 3 2000 19 Mexico Oil Conservation Division | Operator_ | Mallon | Oil Co | mpany | New |
| Wexico Oil Conservation Division | Ву | Zolon | Tell | thi | |
| By Charly Terry | Title | Distri | ct Petr | oleum Engir | neer |
| Title SEPUTY OIL & GAS INSPECTOR, DIST. #S | Date | 4/13/00 | | | |

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 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 wellhead 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.

- Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 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 lifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement 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 date.
- 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 result's of the above-described lests 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 off Conservation Division on northwest new Mexico packer leakage Test Form Revised 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

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