N. MEXICO OIL CONSERVATION COMMIS: N

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

| Operator Shell Oil Company | Lea | se <u>Andrews</u> | | Well No. 1 | |
|--|-----------------------------|---|---------------------|-------------------|--|
| Location Unit Sec | Twp | Rge | County | · - · | |
| of Well F 14 | Type of Prod | Method of Prod | Prod. Medium | Choke Siz | |
| Name of Reservoir or Pool | (Oil or Gas) | I - | (Tbg or Csg) | | |
| ompl Blinebry | T.A. | | | | |
| ower Drinkard | 011 | Flow | the. | 32/64 | |
| | FLOW TEST | | | | |
| Both zones shut-in at (hour, date):_ | 1:00 p.m. | 3-24-79 | | | |
| Tell opened at (hour, date): | 1:00 p.m. 3- | 25–79 | Upper Completion | Lower Completi | |
| indicate by (X) the zone producing | • • • • • • • • • • • • • | | • • • • • • | X | |
| ressure at beginning of test | • • • • • • • • • • • • • • | | 33 | 493 | |
| tabilized? (Yes or No) | • • • • • • • • • • • • • • | • | ···· Yes | Yes | |
| aximum pressure during test | | | 33 | 493 | |
| inimum pressure during test | • • • • • • • • • • • • • | · | 33 | 30 | |
| ressure at conclusion of test | • • • • • • • • • • • • • | • | 33 | 30 | |
| ressure change during test (Maximum | minus Minimum |) | | 463 | |
| as pressure change an increase or a | decrease? | Total Ti | me On | decreas | |
| ell closed at (hour, date): 1:00 p il Production uring Test: 1 bbls; Grav.35 1 | Cae Pro | Producti | on 24 hrs. | | |
| ema r ks | | | | | |
| Tell opened at (hour, date): Blineb | | | Completion | | |
| ressure at beginning of test | | | | | |
| tabilized? (Yes or No) | | | | | |
| aximum pressure during test | | | | | |
| inimum pressure during test | | | | | |
| ressure after 24 hr. shut in period | | | | | |
| ressure change during test (Maximum | minus Minimum) | • | 0 | +465 | |
| as pressure change an increase or a st complete strate at (hour, date) 1:00 p.m. il Production | | Total time | e on | | |
| il Production uring Test:bbls; Grav | Gas Prod During T | uction est | MCF: GOR | | |
| emarks Shut in Pressure Test for | | | | | |
| not flow well. | | | | | |
| hereby certify that the information nowledge. | herein contai | ned is true and co | omplete to the bo | est of my | |
| 70 m | 19W | Operator Shell | Oil Company | | |
| New Mexico Oil Conservation Commissi | | By 0. Ro | vėz A | Ramirez | |
| Orig. Signed by Jerry Sexton | | • | | | |
| tle Dist 1, Sup | | Title Superv | | ting | |
| | | Date4-5-79 | | | |

SOUTHEAST 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 completion 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 shen requested by the Commission.
- 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 rezain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 24 hours.
- 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. Flow test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

- 5. Following completion of Flow Test No. ., the well shall again be shutin, 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 previously shut-in zone is produced.
- 7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with a deadweight tester at least twice.once at the beginning and once at the end, of each flow test.
- 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 appropriate District Office of the New Mexico Oil Conservation Commission on Southeast New Mexico Packer Leasage Test Form Revised 11-15-8, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator say construct a pressure versus time curve for each zone of each test, indicating thereon all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-nl ratio test period.

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