

This form is to be used for reporting
packer leakage tests
in Southwest New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Supron Energy Corp. Lease Angel Peak "B" Well No. 25-E
Location of Well: Unit F Sec. 24 Twp. 28N Rge. 11W County San Juan
Name of Reservoir or Pool Type of Prod. Method of Prod. Prod. Medium
(Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)

Upper Completion	<u>Wildcat Chaca</u>	<u>Gas</u>	<u>Flow</u>	<u>Casing</u>
Lower Completion	<u>Basin Dakota</u>	<u>Gas</u>	<u>Flow</u>	<u>Tubing</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	<u>9:00 A.M.</u>	Length of time shut-in	<u>7 Days</u>	SI press. psig	<u>825</u>	Stabilized? (Yes or No)	<u>Yes</u>
Lower Compl	Hour, date	<u>9:00 A.M.</u>	Length of time shut-in	<u>7 Days</u>	SI press. psig	<u>820</u>	Stabilized? (Yes or No)	<u>Yes</u>

FLOW TEST NO. 1

Commenced at (hour, date)* 9:00 A.M. 8/25/81 Zone producing (Upper or Lower): Upper

Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>9:00 A.M. 8/25/81</u>	<u>— 0 —</u>	<u>825</u>	<u>820</u>		
<u>9:15 A.M. 8/25/81</u>	<u>15 Min.</u>	<u>94</u>	<u>820</u>	<u>58°</u>	
<u>9:30 A.M. 8/25/81</u>	<u>30 Min.</u>	<u>89</u>	<u>820</u>	<u>60°</u>	
<u>9:45 A.M. 8/25/81</u>	<u>45 Min.</u>	<u>77</u>	<u>820</u>	<u>62°</u>	
<u>10:00 A.M. 8/25/81</u>	<u>1 Hour</u>	<u>71</u>	<u>820</u>	<u>63°</u>	
<u>12:00 Noon 8/25/81</u>	<u>3 Hours</u>	<u>56</u>	<u>820</u>	<u>65°</u>	

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. Grav. _____ GOR _____
Gas: 804 MCFPD; Tested thru (Orifice or Meter): Orifice

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date	<u>12:00 Noon 8/25/81</u>	Length of time shut-in	<u>7 Days</u>	SI press. psig	<u>825</u>	Stabilized? (Yes or No)	<u>Yes</u>
Lower Compl	Hour, date	<u>9:00 A.M. 8/18/81</u>	Length of time shut-in	<u>14 Days</u>	SI press. psig	<u>813</u>	Stabilized? (Yes or No)	<u>Yes</u>

FLOW TEST NO. 2

Commenced at (hour, date)** 10:00 A.M. 9/1/81 Zone producing (Upper or Lower): Lower

Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
<u>10:00 A.M. 9/1/81</u>	<u>— 0 —</u>	<u>825</u>	<u>813</u>		
<u>10:15 A.M. 9/1/81</u>	<u>15 Min.</u>	<u>828</u>	<u>166</u>	<u>62°</u>	
<u>10:30 A.M. 9/1/81</u>	<u>30 Min.</u>	<u>828</u>	<u>122</u>	<u>66°</u>	
<u>10:45 A.M. 9/1/81</u>	<u>45 Min.</u>	<u>828</u>	<u>114</u>	<u>66°</u>	
<u>11:00 A.M. 9/1/81</u>	<u>1 Hour</u>	<u>828</u>	<u>107</u>	<u>66°</u>	
<u>1:00 P.M. 9/1/81</u>	<u>3 Hours</u>	<u>828</u>	<u>99</u>	<u>66°</u>	

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. Grav. _____ GOR _____
Gas: 1281 MCFPD; Tested thru (Orifice or Meter): Orifice

REMARKS: _____

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

Approved: _____
Oil Conservation Division

Original Signed by CHARLES CHOLSON

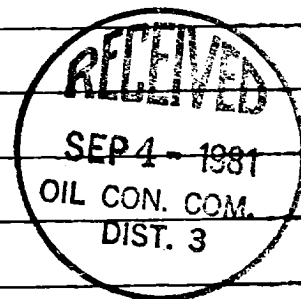
Title DEPUTY OIL & GAS INSPECTOR, DIST. #3

Operator Supron Energy Corp.

By Kenneth E. Reddy

Title Production Supt.

Date 9/1/81



UNIFORMED NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each well, 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 and/or flow line has been disturbed. Tests shall also be taken at any time the completion is requested 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. District 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 a constant rate of production while the other zone remains shut-in.

5. The shut-in period shall be for seven days in the case of a gas well and 24 hours in the case of an oil well. After 24 hours, if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a gas separator, the flow period shall be three hours.

6. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

7. If Flow Test No. 1 shall be conducted even though no leak was indicated thereon, Flow Test No. 2. Procedure for Flow Test No. 2 is to be the same as Flow Test No. 1 except that the previously produced zone shall remain shut-in and the zone which was previously shut-in is produced.

8. 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 pressure measurements may be desired, or may be requested on wells which have previously shown questionable test data.

9. 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.

10. 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 Oil Conservation Division, Northwest New Mexico Packer Leakage Test Form Revised 1-1-78, with all deadweight pressures indicated thereon as well as the following: operator's name; zones only; and gravity and API (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 are indicated on the recording test charts. These key pressure changes should also be indicated on the front of the Packer Leakage Test Form.

P.S.I.G.
1000

Angel Peak "B" No. 25-E

