



A Subsidiary of
John West Engineering Company, Inc.

412 N. DAL PASO
HOBBS, NEW MEXICO 88240

Collins & Ware, Inc.

Packer leakage test on the State A #5, Lea County, NM

Well shut in October 25, 1998 at 7:30 AM.

	Pumping	Flowing
October 26, 1998		
<u>9 AM Test tubing pressure w/dead weights</u>	<u>395 psi</u>	<u>539 psi</u>
<u>11 AM Test tubing pressure w/dead weights</u>	<u>432 psi</u>	<u>549 psi</u>
<u>12 AM Test tubing pressure w/dead weights</u>	<u>434 psi</u>	<u>551 psi</u>
<u>1 PM test tubing pressure w/dead weights</u>	<u>441 psi</u>	<u>554 psi</u>

Dead weight tests performed with casing valve open.

Start 24 hour test with Blinebry side open and pumping.
Casing closed.

	Pumping	Flowing
October 27, 1998		
<u>1 PM Test tubing pressure w/dead weights</u>	<u>43 psi gauge</u>	<u>609 psi</u>

Pressure on pumping side dropped down because casing valve was shut causing fluid to fill above bottom of pumping tubing causing pressure drop.
Shut down pumping unit and close pumping side.

	44 psi gauge	610 psi
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Start 24 hour shut in period. Casing closed.

	Pumping	Flowing
October 28, 1998		
<u>1 PM Test tubing pressure w/dead weights</u>	<u>62 psi gauge</u>	<u>646 psi</u>

Tests performed with casing valve closed.

Start 24 hour test on flowing side. Casing closed.

	Pumping	Flowing
October 29, 1998		
<u>1 PM Test tubing pressure w/gauge</u>	<u>48 psi</u>	<u>58 gauge</u>

Casing valve was closed.

Test completed.
Take well off of test.

Dead weight unit 50 to 5,000 PSI range, Serial # 9856.
Pressure recorder 0 to 5,000 PSI range, Serial # M6033.

Robert Sonnamaker
Robert Sonnamaker, West-Test, Inc. Manager