

SUGGESTED PROCEDURE FOR BOTTOM HOLE PRESSURE BUILD-UP TESTS  
FEDERAL-ESTILL "AD" WELLS 1 AND 2, WHITE CITY PENN GAS POOL

General Calibrate Amerada bombs (2) equipped with 72-hour clocks for pressures ranging up to 6000 psi. (Initial closed-in BHP in Well No. 1 was 5464 psi @ 9700 feet).

Pressure recorders with 24-hour charts should be installed at both wells to continuously record surface tubing pressures during build-up test.

Determine when wells were opened to production for current flow period and how long they had been closed-in prior to current flow period.

- (1) On the morning of the first day close-in Well No. 1 and run pressure bomb to approximately 9500 feet (choke @ 9525 feet).
- (2) Open well at previous rate for 30-minute drawdown.
- (3) Close-in well and record surface tubing pressures with Dead Weight Tester at the following time intervals:

0	1.30
15 min.	2.00 hours
30	3.00
45	4.00
1.00 hour	

[For the remainder of the 3-day closed-in period record tubing pressures with Dead Weight Tester every 24 hours.]

- (4) Immediately after Step #3, close-in Well No. 2 and run pressure bomb to 9850 feet (approximately mid-point of perfs).
- (5) Open well at previous rate for 30-minute drawdown.
- (6) Close-in well and record surface tubing pressures with Dead Weight Tester at the following time intervals:

0	1.30
15 min.	2.00 hours
30	3.00
45	4.00
1.00 hour	

[For the remainder of the 3-day closed-in period record tubing pressures with Dead Weight Tester every 24 hours.]

- (7) At the end of the 72-hour closed-in periods record final tubing pressures for both wells with Dead Weight Tester then pull bombs.