

STEP-RATE TEST
SHUGART "B" WELL NO. 1
Tamano (Bone Spring) Field
Eddy County, New Mexico
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12. Run Step-Rate Test as follows:

<u>TIME. (MIN)</u>	<u>RATE (BPM)</u>
60	0.025
60	0.050
60	0.100
60	0.250
60	0.500
60	0.750

Note: 1. Rates must be stabilized before proceeding to next step.
2. Two stabilized rates must be obtained prior to exceeding 1,600 psi at the surface....

13. Shut well in with bomb in hole for 72 hour fall-off test. RD service company.
14. POOH with bomb. RU reverse unit.
15. EIR w/fresh water. Run 21 day injectivity test. Do not exceed a surface pressure greater than 0.2 psi/ft multiplied by the depth to the top perforation. Record surface injection rate and pressure every 30 minutes.
16. MIRU PU. Release packer and POOH.
17. RIH with 2-3/8" perforated mud anchor, seating nipple, 7 joints of 2-3/8" tubing, 2-3/8" x 5-1/2" TAC and 223 joints of 2-3/8". 4.6#, J-55, EU tubing. Land seating nipple at 8,120' and set TAC.
18. NU BOP and NU wellhead. Install rod BOP.
19. RIH with a 2" x 1-1/4" x 24' x 26' x 28' RHBC pump with a 1" x 6' gas anchor on a combination, 1" fiberglass rods and 7'8" steel rod string.
20. Remove rod BOP, space out pump and hang well on. RDMO PU.
21. Start well pumping to facilities.

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