

Brunson-Argo #13
Procedures (Con)

6. Fracture the Tubb formation (5884'-6040' - 156' OA - 42 holes) down the 3 1/2" frac tubing with 20,000 gals of 9.0 lb/gal salt water and 40,000 lbs of 20-40 mesh Ottawa sand. Adjust the pH of the water to between 5 and 7. All the water should contain the following additives:

20 lbs/1,000 gals of Guar Gum,
25 lbs/1,000 gals of Adomite Aqua,
2 gals/1,000 gals of Surfatron 61.

20 ~~30~~ Treat at 50 bbls/min (estimated surface treating pressure - 5,600 psi). Use rubber-covered nylon ball sealers distributed evenly throughout the treatment for selectivity.

While injecting the last 15 percent of the propping agent (6,000 lbs), obtain a controlled screen-out by simultaneously reducing the injection rate and increasing the propping agent concentration. The injection rate should be reduced gradually from the recommended treating rate of 50 bbls/min to between 3 and 5 bbls/min, and the propping agent concentration should be increased gradually from the recommended treating concentration of 2.0 lbs/gal to between 6 and 8 lbs/gal. After the controlled screen-out has been obtained, the well should be shut in immediately. No additional pressure should be applied to the well and no additional fracturing fluid should be pumped through the propping agent pack.

7. Shut the well in until the pressure bleeds off, or for a maximum of 24 hours.
8. Clean out and swab test the Tubb zone.
9. Set a retrievable bridge plug at approximately 5865' (collar log depth).
10. Set the treating packer at approximately 5635' (collar log depth).
11. Acidize the Blinebry perforations (^{5656 5752 96' 23}~~5647' - 5767' - 120'~~ OA - ~~31~~ holes) with 5,000 gals of 15%, non-emulsion, HCl. Treat at 5 to 7 bbls/min and use a sufficient quantity of rubber-covered nylon ball sealers to obtain a complete ballout. (Est. ³⁰~~40~~ ball sealers).
12. Clean out, swab and test the Blinebry zone for oil and gas.
13. Pull the retrievable bridge plug and complete the well as a dual Blinebry (oil and/or gas) and Tubb gas well.
114. Turn the well over to production.

JNash/mw
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