

Brunson-Argo #10
Procedures

5. (Con)

gradually reduced 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 1.0 lb/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.

6. Shut the well in until the pressure bleeds off or for a maximum of 24 hrs.
7. Clean the well out to PBTD of 7040'.
8. Set a Model "D" packer with a Baker ER receptacle at approximately 6300' (refer to the attached sketch for packer hook-up details).
9. Set a plug in the Baker ER receptacle and set a retrievable bridge plug at approximately 5325' and cap with 5 sx of sand.
10. Spot 500 gals of 15%, non-emulsion, HCl acid in the bottom of the hole and perforate the following intervals in the Paddock formation with 1 jet shot per plane:

5121' - 5128' - 7'	OA - 7 holes	("A" zone)
5178' - 5185' - 7'	OA - 7 holes	("B" zone)
5248' - 5263' - 15'	OA - 15 holes	("C" zone)
TOTAL		142' OA - 29 holes

Perforations were selected from Western's Gammatron Log dated 8/17/59.

11. Run a 2" treating string, treating packer, and a holddown. Set the packer at approximately 5075'.
12. Acidize the Paddock perforations (5121'-5263')(142' OA - 29 holes) down the 2" treating string with 2500 gals of 15%, non-emulsion, HCl acid. Treat at 3 to 5 bbls/min and inject a sufficient quantity of rubber-covered nylon ball sealers to obtain a complete ball-out. Approx. 45 ball sealers will be required.
13. Fracture the Paddock formation (5121'-5263')(142' OA - 29 holes) down the 5 1/2" casing* with 25,000 gals 9.0 lb/gal salt water and 62,500 lbs of 20-40 mesh Ottawa sand. 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.

Adjust the pH of the water to between 5 and 7. Treat at 50 bbls/min (estimated surface treating pressure - 2400 psi) Use 17 rubber-covered nylon ball sealers distributed evenly throughout the treatment for selectivity.