

PROCEDURE TO ADD DELAWARE INJECTION INTERVALS _____

1. Install frac tank. Shut in well 2 days before rigging up to allow pressure to bleed off. Back flow well if necessary.
 2. MIRU CU. ND injection head. NU 5,000 psig BOP.
 3. Unseat packer. TOH standing back 2-7/8" plastic coated tubing. Install thread protectors on plastic coated tubing prior to stand back. Utilize stripper head if necessary while TOH.
 4. RU HES cased hole unit and perforate with a 4" cased hole gun 90° phased as follows:

5,424' - 5,456' (4 SPF, 129 Holes)	5,534' - 5,552' (4 SPF, 73 Holes)
5,482' - 5,518' (4 SPF, 145 Holes)	5,586' - 5,662' (4 SPF, 305 Holes)
Total:	652 Holes
 5. PU 9-5/8" RTTS and RBP, SN, and TIH on 2-7/8", 6.5#, J-55 work string to ±6,380'. Set RBP. PU to ±6,250'. Set Packer.
 6. RU HES and acidize with 2,000 gallons of 15% Ferchek SC acid. This should be treated down tubing with an anticipated rate and WHTP of 4 - 5 bpm at 1,500 psi. Flow down well.
 7. Unseat packer and TIH to release RBP. Pull RBP to ±5,750'. Set and test RBP. PU to ±5,660' and spot 500 gallons of 15% Ferchek SC. PU packer to ±5,350'. Reverse excess acid into tubing and set packer.
 8. Acidize with 6,000 gallons of 15% Ferchek SC acid dropping 2,000 pounds of GRS in 2,000 gallons of 10# Gelled Brine water for diversion. This should be treated down tubing at 4 - 6 bpm at 2,000 psi. Recommended acid schedule as follows:

1,200 gal	15% Fercheck SC
500 gal	GBW w/500 lbs GRS
1,200 gal	15% Ferchek SC
500 gal	GBW w/500 lbs GRS
1,200 gal	15% Ferchek SC
500 gal	GBW w/500 lbs GRS
1,200 gal	15% Ferchek SC
500 gal	GBW w/500 lbs GRS
1,200 gal	15% Ferchek SC
2,000 gal	2% KCl Flush/Overflush
- NOTE:** Have 2,500 lbs of Rock Salt on location.
9. Run injection test.
 10. Release RTTS. RIH and release RBP. TOH laying down work string.
 11. RIH w/Baker Lok-Set Packer with On-Off tool on plastic coated injection tubing. Circulate packer fluid into annulus using 10# Brine as a base fluid. Set at ±5,350' with 6,000 lbs. of compression.
 12. ND BOP. NU injection head. Place well on injection.