

Tuesday A Federal No. 1

Pg 2

w/840 gals acid. Direct w/100 lbs. graded rock salt mixed in 2 bbls of gelled 10 ppq Brine. Flush to perf w/40 BTFW w/1:1000 Cra-Sta. Shut well in for 1 hr. Swab well. If zone is non-commercial Kill Bonesprings interval if necessary w/TFW. Release pkr at 5755 & POOH. Set cement retainer at 5800'. Load backside w/TFW & pressure to 500 psi. Cement squeeze Bonesprings interval w/75 sxs class "H" neat cement. Flush to retainer w/33 BTFW. Spot 2 sxs cement on top of retainer & reverse circulate out excess slurry. POOH. Perforate Lower Delaware zone 5464'-5478' for total of 30 Inches. Set treating pkr at 5400'. Load backside w/TFW & pressure up to 500 psi. Acidize w/1260 gals of 7 1/2% HCL-NE-FE acid at 3-5 BPM dropping 3 each 7/8" RCN ballsealers 1.3 Sg after every two bbls acid pumped. Attempt ballout. Flush w/38 BTFW w/1:1000 Cra-Sta. Shut in for 1 hr. Swab well. If zone is non-commercial, release treating pkr at 5400' & POOH. Set cement retainer at 5430'. Load backside w/TFW & pressure to 500 psi. Cement squeeze Lower Delaware zone w/50 sxs class "C" cement. Flush to retainer w/31 BTFW. Spot 2 sxs cement on top retainer and reverse circulate out excess slurry. POOH. Perforate Upper Delaware zone 3572'-3590' for total of 33 perfs. POOH. Set treating pkr at 3500'. Load backside w/TFW and pressure up to 500 psi. Acidize Upper Delaware zone w/1512 gals 7 1/2% HCL-NE-FE acid. Limited for 24 hrs. at 3-5 BPM dropping 3 each 7/8" RCN ballsealers 1.3 Sg