

Washington 33 State #14  
Artesia Queen Grbg San Andres  
Acid, Shot, Fracture, Cement, Squeeze, Etc.

PPI/acidize 2836-2908' w/ 2000 gals 15% HCL acid. Pull above perms to 2770'. Set pkr & acidize perms w/remaining acid & flush. Frac 2836-2908' w/8000 gals 25# crosslink gel followed by 43,000 gals 10# linear gel carrying 90,000# 20/40 mesh sand & 10,000 gals 10# linear gel w/30,000# 20/40 resin coated sand. Flush w/2380 gals 10# linear gel.

PPI acid 1452-2122' w/2000 gals 15% HCL acid. Frac 1452-2122' w/8000 gals 25# crosslink gel followed by 30,000 gals 10# Viking gel carrying 59,000# 20/40 mesh brady sand & 7,000 gals 10# Viking gel carrying 21,000# 20/40 resin coated sand. Flush w/1450 gals 10# Viking gel.