

CS STONE, WELL NO. 3

Found top of hole at 3580'. Tested casing from 3580' - 4880' (several holes in casing). RI Hole w/5 1/2 cmt. retainer. Set retainer at 3250'. RD. RU Howco. Displaced dirty fluid between 5 1/2" & 9 5/8" casing. Pmpd 300 sx Cl. H cmt. w/Hallad "9" + 300 sx Cl. "H" cmt. w/flocele + 425 sx Cl. H Neat cmt. Had full returns between 5 1/2" & 9 5/8" csg. Cement circulated to surface. Closed valve on 9 5/8" casing. Staged cmt to 1800 psi w/0 psi bleed off. Stung out of retainer. Reversed excess cmt (50 sx). Retainer holding. POOH w/20 jts. tbg. SWI. WOC 38 hrs. Opened tbg 9 5/8" csg. 5 1/2" csg 0 psi. POOH w/83 jts 2 3/8" tbg & stringer. RIH w/4 3/4" bit, 6 - 3 1/2" DC's & 96 jts. tbg. Tagged cmt stringer @ 3205. Cleaned out cmt retainer @ 3250'. Drld cmt retainer. Drld cmt to 3371. Tstd csg to 1000 psi. Casing held okay. Drld good cmt from 3371 - 3588'. Pressur4d 5 1/2" csg to 1000 psi - ok. Cmt. void fm 3588 - 5985'. Top of sd on BP. Pressured to 1000 psi - ok. 14 hr SITP 0 psi. POOH w/151 jts 2 3/8" J-55 tbg + 6 - 3 1/2" DC's & tools. RIH w/stringer & 5 1/2" compression pkr on 2 3/8" tbg and set at 3549'. Pressured 5 1/2" csg. to 1100 psi - ok. RIH Reset @ 3675'. Pressured csg to 1100 psi - ok RIH Reset @ 4500'. Pressured to 1100 psi on csg. - ok. RIH. Reset pkr. @ 4969'. Pressured csg to 1100 psi. - ok. Bled off csg. Pressured to 1100 psi - ok. Circ'd sand off BP @ 5000'. Reset pkr. @ 4990', pressured tbg to 1500 psi. - ok. Pld up & reset pkr @ 4880 psi. Pressured csg to 1100 psi, would not hold higher up than 1 1/2 jts. Dropped down & would hold below 4880'. Retrieved BP. POOH. PU 5 1/2 - 17# Baker TSN pkr + on/off tool w/1.56 profile nipple - all tools corrosion resistant. RIH on 156 jts 2 3/8" J-55 tbg. Set pkr @ 4900'. Pressured 5 1/2" csg. to 400 psi - ok. Pressure built up 1100 psi while doing acid job. Acidized well w/3000 gals 15% NEFE acid. Bled well down enough to change out tbg valve. RU Jerrel wireline. Set plug. Pressured to 2000 psi on tbg - ok. Pressured to 1100 psi on 5 1/2" csg. held ok. RUWL. Retrieved blanking plug. Released pkr. POOH w/156 jts 2 3/8" J-55 tbg + on/off tool Baker TSN pkr. Found plug setting groove in "F" nipple machined wrong, which was the reason why the plug would not seat or lock in. RIH w/new 5 1/2" 17# TSN pkr + down hole shut off valve + on/off tool w/1.50" "F" nipple on 156 jts 2 3/8" tbg. Set tbg @ 4900'. SI 38 hrs. TP 250 psi - CP 0 psi. RU kill truck. Pressured 5 1/2" csg to 1100 psi - ok. Closed btm hole valve. Released on/off tool. POOH & LD 156 jts 2 3/8" J-55 work string. PU & RIH w/top half on/off tool + 158 jts 2 3/8" tbg 2500 psi. Star Fiberglass tbg + 1 jt 2 3/8" Dual Line tbg. Circ'd hole w/2% KCl wtr. Latched on on/off tool. Pressured tbg to 1800 psi - ok. Let off pressure & pressured csg to 1100 psi ok. Opened btm hole valve & pmpd 20 bbls KCl wtr into fm @ 2 BPM 1000 psi. Set tbg in well head slips w/10000# tension. Hooked up disposal pumpline. SDON. Pkr set @ 4900'. RD unit. Started disposal of water. OPERATION TO REPAIR CASING LEAK COMPLETE 12/25/85.