

Sun Oil Company - J. A. Akens Well #1 - Lea County, N.M.

1-10-67 moved in unit. Ran Welex cement bond log 2600' to 3732'. Good bond 2836' to 3580'. Poor to some good bond 3580' to 3640'. Packer to no bond 3640' to 3732'. Top of cement 2836'. Set RBP @ 2890' w/R-2 swinging pressured to 1000 psi. Did not hold pressure. Raised RBP to 2860'. Press. to 1000 psi. Did not hold. Set R-2 at 2890', press. up to 1000 psi on top of pkr to 1000 psi - 30 min. o.k. Left R-2 at 2890' and RBP @ 2920'. Pulled tbg., R-2 packer and RBP. 1-12-67 Welex perf. 7" csg. w/4 shots in one phase @ 2826' by cement bond log measurements w/5" cased charge 11 gm, .44 hole entry. Ran tbg., Baker Model G RBP & Baker "R" pkr. Set RBP @ 2891.95'. "R" pkr - 2843.50'. Tested RBP below pkr w/1500#, 15 min. o.k. Released pkr and spotted 2 sks sand on top of RBP. Top of sand 2883'. Raised "R" pkr and set @ 2785.20'. Press. up 7" behind pkr with 30 bbl. brine to 1000# 30 min. o.k. Had no blow on 9 5/8" casing when 7" pressured up. Left 1000# on 7" overnite. 6 a.m. 1-13-67 - 7" CP 1100#, 9 5/8" CP 95#. Bled press. off. Halliburton pumped down tbg. and established circ. out 7- 9 5/8" annulus. Circ. app. 100 bbls. brine. Pulled tbg. and pkr. Ran tubing w/Howco DM retainer. Set retainer @ 2792'. Washed down tbg. and out 7"- 9 5/8" annulus w/100 bbls. brine. Pump pressure 900 psi - 3 bbls./min. Halliburton cemented 7" - 9 5/8" annulus thru perfs. @ 2826' under retainer @ 2792' with 475 sks cement. Circ. 40 sks out annulus. Tested retainer with 2000 psi, o.k. Reversed out appx. 2 bbls. cement from tubing. Pulled tubing. 1-14-67 - moved in Howco reverse unit - drilling on Howco DM-retainer 2792-2794. Squeezed pkr 2794 to 2795 and firm to hard cement to 2830'. Washed to top of sand at 2882'. Tested perfs. at 2826' with 1000# 30 min. o.k. Washed out sand 2882 to 2891', to top of RBP. Pulled out of hole with DC and reverse equipment. Went in hole with Baker retainer tool and picked up RBP. Went in hole with tbg. and pkr. Spotted 80 bbl. brine treated with 5 gal. Cronox 111A/100 bbls. Set packer at 2854.52'. Tested behind pkr with 1200#, 30 min. o.k. Swabbing. 1-23-67 - blew well down. Shut well in. Released unit. Installed intermitter. Well being blown to pit 4 times daily.

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