

Form Approved.  
Budget Bureau No. 42-R1424

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Twilight Zone #1

12-4-84 Reached TD of 8150'.

12-5-84 Ran and landed 191 jts. of 5½", 15.5#, K-55, ST&C and 17#, J-55, LT&C casing at 8148'. (17# csg. surface to 607', 15½# csg. 607 to 6432', and 17# csg. 6432-8148') Howco DV stage tools at 3528' and 6139'. Halliburton cemented casing in 3 stages: 1st stage - Pumped 10 bbl. mud flush followed by 375 sx (525 cf) of 50/50 B-Poz with 2% gel, 6¼" of gilsonite and ¼# of flocele per sk. Displaced with 44 bbl. water and 148 bbl. mud. Bumped plug to 1500 psi. Released pressure and float held. Plug down at 2:00 p.m. Had full circulation throughout 1st stage. Opened DV tool at 6139' and circulated with mud and rig pumps for 2½ hrs. 2nd stage - 10 bbl. mud flush followed by 190 sx of 65/35 B-Poz with 12% gel & ¼# flocele per sk. plus 270 sx 50/50 B-Poz with 2% gel & ¼# flocele (slurry volume 2nd stage 763 cf). Displaced with 62 bbl. water and 86 bbl. mud. Bumped plug to 2500 psi. Released pressure and DV tool held. Plug down at 5:45 p.m. Had full circulation throughout 2nd stage. Opened DV tool at 3528' and circulated with mud and rig pumps for 2½ hrs. 3rd stage - 10 bbl. mud flush followed by 320 sx 65/35 B-Poz with 12% gel & ¼# flocele per sk. plus 85 sx 65/35 B-Poz with 12% gel, 6¼# gilsonite and ¼# flocele per sk. plus 85 sx 50/50 B-Poz with 2% gel, 6¼# gilsonite and ¼# flocele per sk (slurry volume on 3rd stage 1025 cf). Displaced with 84 bbl. water and bumped plug to 2500 psi. Released pressure and DV tool held. Plug down at 9:30 p.m. 12-5-84. Had full circulation while pumping cement and 1st 35 bbl. of displacement. Had no returns during last 49 bbl. of displacement. Final displacement pressure = 650 psi. Total slurry volume used = 2313 cf. Nippled down BOP, set slips, cut off casing and released rig at 11:30 p.m. 12-5-84.

12-6-84 Ran Temperature Survey. Indicated top of cement = 1925'.