

Operations Plan - Jicarilla 123 C #31

V. Cementing, cont'd.

Production casing (7 7/8" x 4 1/2")

First stage - use 153 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack followed by 100 sks. 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride and 1/4# fine tuf-plug per cu.ft. (373 cu.ft. of slurry, 40% excess to cover the Gallup).

Second stage - circulate mud for 2.5 hours, then cement with 264 sks. of 65/35 Class "B" Pozmix with 6% gel and 2% calcium chloride and 8.3 gallons water per sack (428 cu.ft. of slurry, 70% excess to cover the Mesa Verde).

Third stage - circulate mud for 2.5 hours, then cement using 208 sks. Class "B" Pozmix with 6% gel and 2% calcium chloride mixed with 8.3 gallons water per sack (337 cu.ft. of slurry, 100% excess to fill to base of Ojo Alamo). Run temperature survey on top stage only at 8 hours. WOC 18 hours.