

Mineral Resources, Inc Cement & Centralizer Program

CS-Kinkade #1-1-12, API # 05-123-38819
CS-Kinkade #2-1-12, API # 05-123-38818
CS-Kinkade #3-1-12, API # 05-123-38823
CS-Kinkade #4-1-12, API # 05-123-38817
CS-Kinkade #5-1-12, API # 05-123-38816
CS-Scott #1-1-12, API # 05-123-38821
CS-Scott #2-1-12, API # 05-123-38824
CS-Scott #3-1-12, API # 05-123-38825
CS-Scott #4-1-12, API # 05-123-38822
CS-Scott #5-1-12, API # 05-123-38820

Surface - 9 5/8" 36# J55 LTC - bow spring joints 1,2,3 and every other joint thereafter. Cement - 14.5ppg 1.41cfsk cement to surface per calcs, plus 35% excess. 20 bbls fresh water and 20 bbls mud flush spacers.

Intermediate - 7" 26# P110 BTC - solid body spirals every joint from bottom of curve to top of curve - 40-45 total; then bow springs next three joints, then every third joint to surface casing, at which every other joint to 750' from surface. Cement - 20 bbl water spacer, 40 bbl mud flush spacer, lead cement of 12.7ppg, 1.86 yield, to cover from 150' from top of curve (TOC) to 800' from surface; tail cement of 14.6 ppg, 1.40 yield, from TD to 150' above TOC with 20% excess per hole calcs.