

Cement Surface Casing

Well Information

Depth 400 ft
Casing Size 13 3/8 in
Hole Size 17 1/2 in
Calculated Cement Fill TO SURFACE
Excess Calculated 100 %

Job Recommendation

FLUID 1: CEMENT

Premium Plus Cement
2% Calcium Chloride (Accelerator)
Mixed With Fresh Water

Fluid Weight: 14.8 PPG
Fluid Yield: 1.34 ft³/sk
Fluid Water Ratio: 6.34 gal/sk
Total Mixing Fluid: 63.4 bbls
Fluid Volume: 99.0 bbls
Calculated Volume: 415 sks
Proposed Volume: 420 sks

Cement Intermediate Casing

Well Information

Depth 4000 ft
Casing Size 8 5/8 in
Hole Size 12 1/4 in
Calculated Cement Fill TO SURFACE
Excess Calculated 100 %
Previous Csg. Depth 400 ft
Previous Csg. Size 13 3/8 in

Job Recommendation

FLUID 1: LEAD CEMENT

Halliburton Light Premium Plus
15 lb/sk Salt
.25 lb/sk Flocele (Lost Circulation)
Mixed With Fresh Water

Fluid Weight: 12.7 PPG
Fluid Yield: 2.15 ft³/sk
Fluid Water Ratio: 11.64 gal/sk
Total Mixing Fluid: 365.8 bbls
Fluid Volume: 503.5 bbls
Calculated Volume: 1315 sks
Proposed Volume: 1320 sks

FLUID 2: TAIL CEMENT

Premium Plus Cement
2% Calcium Chloride (Accelerator)
Mixed With Fresh Water

Fluid Weight: 14.8 PPG
Fluid Yield: 1.34 ft³/sk
Fluid Water Ratio: 6.34 gal/sk
Total Mixing Fluid: 37.7 bbls
Fluid Volume: 59.7 bbls
Calculated Volume: 250 sks
Proposed Volume: 250 sks

Cement Production Casing

Well Information

Depth 12900 ft
Casing Size 5 1/2 in
Hole Size 7 7/8 in
Calculated Cement Fill 2000 ft
Excess Calculated 35 %
Excess Over Caliper 15 %
Mud Weight 10.5 ppg
BHST 210 °F

Job Recommendation

FLUID 1: CEMENT

50/50 POZMIX/PREMIUM CEMENT
.3% HALAD®-344 (Fluid Loss)
2% Halliburton Gel (Extender)
6 lb/sk Salt (Accelerator)
Mixed With Fresh Water

Fluid Weight: 14.4 PPG
Fluid Yield: 1.31 ft³/sk
Fluid Water Ratio: 5.84 gal/sk
Total Mixing Fluid: 50.1 bbls
Fluid Volume: 84.0 bbls
Calculated Volume: 360 sks
Proposed Volume: 360 sks