



# Certificate of Test

Class G Oilwell Cement  
Grade MSR

Order No. \_\_\_\_\_

Date Shipped \_\_\_\_\_

Date Received \_\_\_\_\_

Bulk Loader Initials \_\_\_\_\_

Lot # 24

Date: 1/24/12

Chemical Analysis(%) - ASTM C 114

MgO	1.0
SO <sub>3</sub>	2.9
L.O.I.	1.1
Insol. Residue	0.33

Compound Composition - ASTM C 150

C <sub>3</sub> S	54
C <sub>3</sub> A	4.2
Alkalies (Na <sub>2</sub> O + 0.658·K <sub>2</sub> O)	0.50

Physical and Performance Tests - A.P.I. Spec. 10A

Blaine Fineness – ASTM C204	2610	cm <sup>2</sup> /g
Free Fluid Content - Section 7	5.5	%
Compressive Strength - Section 8		
8 hours - 100° F	820	psi
8 hours - 140° F	2520	psi
Thickening Time - Section 9		
Test Schedule 5	107	minutes

This cement has been sampled and tested in accordance with A.P.I. Specification 10A. All test results are certified to comply with the type specification designated. Cement analysis are reported as oxides, in accordance with ASTM Test Method C114. Silicon dioxide (SiO<sub>2</sub>) is present in the combined state as the compounds tricalcium silicate and dicalcium silicate, and not as crystalline silica. We are not responsible for improper use or workmanship.

*Randall K Bock*

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Chief Chemist