



CELLO FLAKE CEMENTING SERVICE BULLETIN

11/29/91

CELLO FLAKE

TECHNICAL DATA

CELLO FLAKE is a lost-circulation additive for cement. Loss of circulation during cementing may occur in porous formations or highly-fractured zones.

Cello -Flake serves as a bridging material that will bridge across fractured or porous areas, thus, preventing the loss of slurry to the formation.

PROPERTIES

<u>PETROCHEM</u> <u>MATERIAL</u>	<u>FORM</u>	<u>SP. GR.</u>	<u>ABSOLUTE</u> <u>VOLUME</u>
CELLO FLAKE	Clear Thin Flakes	1.45	-----

SAFETY

Eyes: If contact occurs, flush eyes with water until material is dislodged. If irritation continues, obtain medical attention.

Skin: Not likely a problem.

Inhalation: Not likely a problem.



DISCUSSION

Cello Flake consists of cellophane flakes of a controlled size that present no mixing problem when used at the recommended quantity. The material is classified as a laminated-type, lost circulation additive. The flakes form a mat at the face of the formation or fracture and aid in controlling lost circulation.

ADVANTAGES

Cello Flake is chemically inert and does not appreciably affect thickening time or compressive strengths.

No additional water is required; therefore, slurry weights and yields are not affected.

Small quantities provide a large surface area for sealing of fractured and porous areas.

Cello Flake is compatible with all commonly used cement formulations.

USE

Cello Flake is applicable in wells containing highly porous formation and fractures. It should be dry blended into the cement at the bulk plant. The recommended quantity of Cello Flake to use per sack of cement is from 1/8 lb. to 1 lb. (do not use over 1 lb. per sack because mixing problems could result).