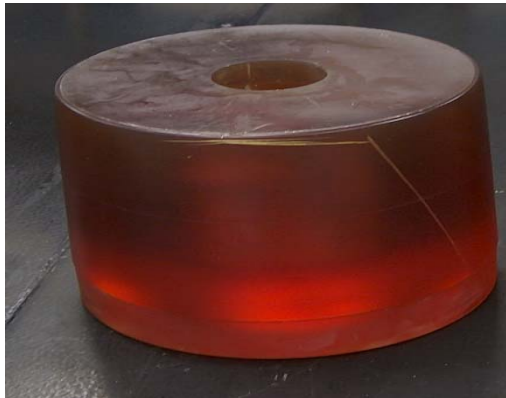


ULTRA SEAL®-R (LIQUID BRIDGE PLUG™)

M&D INDUSTRIES OF LOUISIANA, INC.



JUNE 2005

ULTRA SEAL®

800-772-6833

BP

CASE HISTORY

OBJECTIVE:

To seal micro annular gas migration between the 13 ³/₈" X 26" annulus and proceed with decommissioning of well.

APPLICATION:

Prior to pumping ULTRA SEAL® R, a window from 167' to 178' was milled from the 13 ³/₈" out to the 26" casing. One foot of sand was dumped into the bottom of the window to provide a uniform platform for the resin. A total of 361 gallons or ten feet of linear fill of ULTRA SEAL® R was pumped inside the window and positive pressure maintained on the resin for forty eight hours.

RESULTS:

After waiting on ULTRA SEAL® R to cure, SIP was released and the well was monitored for bubbles.

Bubble Check - 13 ³/₈" X 26" annulus: 30 minute observation no bubbles for 12 minutes then small bubbling for remainder of 30 minute period. Observe well after nine hours, no bubbles, released from rig.

A surface cement plug was set as per MMS requirements and decommissioning of the well proceeded.

West Cameron
Block 110

BHT: 65° F

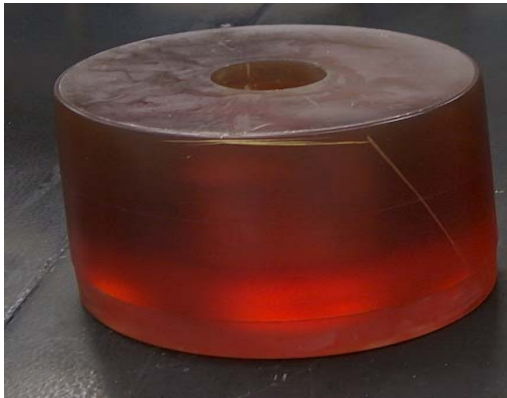
Completion Fluid:
Sea Water

Special points of interest:

- **NON-SHRINKING**
- **FUNCTIONS AT LOW TEMP'S**
- **OVER 10 TIMES THE SHEAR BOND OF CEMENT**
- **IMPERMEABLE TO GAS**
- **ULTIMATE COMPRESSIVE STRENGTH OF OVER 6,000 PSI**

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JUNE 2005

ULTRA SEAL®

800-772-6833

Vermillion 31

OCS-G 2868 #3

CASE HISTORY-CHEVRON USA

OBJECTIVE:

The operator wanted to seal a leaking packer in an offshore production well without the use of a rig due to availability and pricing. Engineering wanted a fluid that would fall through sea water in the vertical 7 X 3 1/2 inch annulus. The fluid required an extended set time while maintaining its properties and forming an effective seal.

BHT: 205° F

Completion Fluid:
8.6# Inhibited SW

APPLICATION:

A special formulation of ULTRA SEAL®-R was designed with additional density to increase the settling rate.

After mixing 168 gallons of ULTRA SEAL®-R, the resin sealant was loaded into the annulus and chased with 9 bbls of sea water. The well was shut in and the resin sealant was allowed to fall through the sea water for 14 hours to settle on top of the packer.

RESULTS:

After a twenty four hour cure time the ULTRA SEAL®-R plug was tested to 1,000 psi for 30 minutes with no recorded pressure losses.

The Operator was pleased with the total operation and that a rig-less operation had been performed that saved thousands of dollars in rig time not to mention any lost production waiting on a rig.

Special points of interest:

- **NON-SHRINKING**
- **FUNCTIONS AT LOW TEMP'S**
- **OVER 10 TIMES THE SHEAR BOND OF CEMENT**
- **IMPERMEABLE TO GAS**
- **ULTIMATE COMPRESSIVE STRENGTH OF OVER 6,000 PSI**