

Technical Memo

	MC252 #2 Cement Scanner (MSIP) 18" Liner Cement Evaluation			
	Version: 1	DDII Relief Wells Team	Author: Ray Wydrinski (BP, GOMX)	Date: 6/22/2010

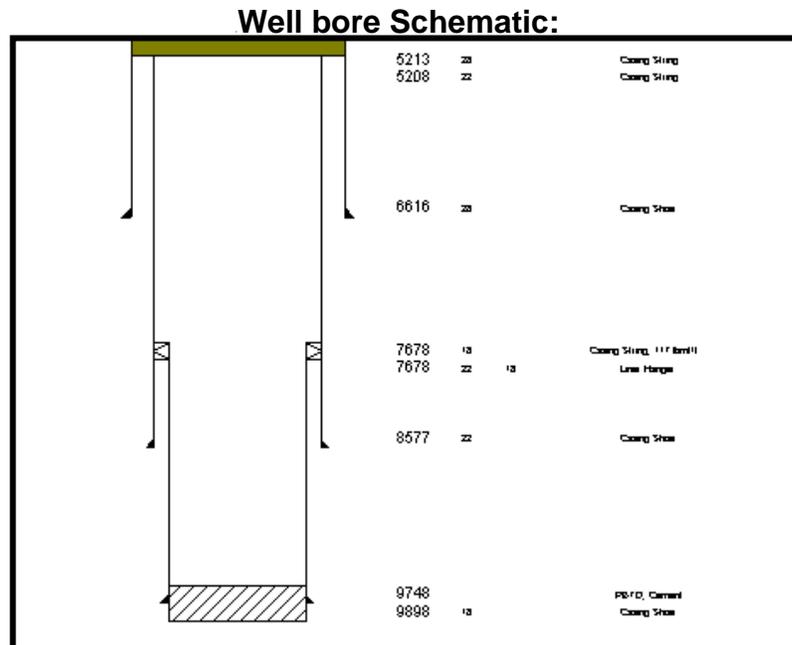
Overview:

On June 21, 2010, Schlumberger logged a Cement Scanner in the 18" liner over the interval from 7,678' to 9,680' for determining the top of cement. The total depth of the well is 10,000'. Taking into account of cement left in the bottom of the 18" liner, the decision was made to start the logging at 9,680'. The objective of this cement is to isolate the shallowest hydrocarbon zone at 9,640' with a minimum of 500 feet of cement. Therefore: the cement top needs to reach 9,140'.

Schlumberger has an experimental process where they can take 6 directional amplitude measurements from this tool and create a cement map to analyze the cement quality in 6 sixty degree segments of the casing. Abe Vereide is the Schlumberger Champion who developed this process which was test on a Thunderhorse well and compare with an Isolation Scanner in the same well bore.

Interpretation

- 1) 18" liner (below are measured depths RKB)
 - a. The top of cement is at 8,712'.
 - b. Top of cement for zonal isolation is at 8,760'
 - c. Top of the 18" liner is 7,658'



Cement Isolation Analysis for Top of Cement and Top of Cement for Zoanl Isolation

