

Key Decisions at Macondo

Decision	Increased Risk?	Saved Time or Money?
Not using the correct number of centralizers ²¹⁶	Yes	Yes
Not waiting for foam stability test	Yes	Yes
Not running cement bond log ²¹⁷	Yes	Yes
Using spacer made from lost circulation materials ²¹⁸	Yes	Yes
Displacing riser before setting cement plug	Yes	Yes
Displacing well to over 3,000 ft. below the mud line ²¹⁹	Yes	Yes
Not installing additional physical barriers during temporary abandonment ²²⁰	Yes	Yes
Not circulating bottoms up prior to cement job	Yes	Yes
Using long string casing instead of liner ²²¹	Yes	Yes
Performing simultaneous operations during displacement	Yes	Yes
Converting lower ram on BOP to a test ram ²²²	Yes	Yes

TREX-20001 (Bea/Gale Report, Pg 58 and 64;
 FNs 216-222: TREX-20381, 20382, 20383, TREX-20380, TREX-20384, TREX-20395, TREX-06094