

LIFT & ROLL SYSTEM

Rig 102, SINGAPORE
2001

This is an alternative lift & roll system supplied by Hilman Rollers for Rig 102. The cantilever beams are supported by six rollers—1,250 tons each. Each roller is supported by six hydraulic cylinders nested in a sub-frame. The hydraulics ensure that each roller is under full contact during the skidding mode. When retracted, the rig does not contact the rollers. No more freeze-ups! No more beam tear-ups! No more huge pushing cylinders!



Above, one side of lift and roll system showing three 1250 ton capacity rollers resting on hydraulic rams.



Profile view of hydraulic rams beneath the cantilever beams and Hilman Rollers.



Six, 1,250 Ton load capacity Rollers with Rams in pre installation tests.



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