

Shell EPW Wells HSE Early Learning Bulletin

Fountain No: 138974 **Location:** Rockies WS **Date:** 16 August 2007 **Risk Ranking:** Actual - Level 0, Potential B4 People

What happened: Coil tubing had finished drill-out operations on the first of two wells. After coil tubing rigged down, a boom truck crane was being used to move a flow-cross and safety BOP from well 1 to well 2. The wells are 6 ft apart and the weight of the equipment lifted was approximately 13,000 lb. During the lift, with the flow-cross and BOP approximately 1 ft above well 2, the crane outrigger and pad began to sink into the ground (~ 18 in.). The unexpected movement of the crane resulted in the flange on the flow cross coming to rest partially on the framework of the frac stand and the well flange. After the load was stabilized, a job procedure was drafted to secure and move the load with another crane. No injuries to personnel or damage to equipment occurred as a result of the incident.



Preliminary Learning Points

- Compaction of soil was inadequate. Sink hole occurred in area where a flow line had previously been installed.
- Include identification of flow line routes or other prior excavations in lift plans.
- Consider use of larger diameter jack mats in areas of known excavations.
- Consider use of larger cranes (boom reach) to increase distance between well related excavations and crane operations.



This Learning Bulletin provides preliminary learnings. The detailed investigation results are pending.