



Well 697-17-64A API 05-045-18061-00 9-5/8" Surface Casing Cement Job

On 15 January 2010 Oxy ran and cemented 9-5/8" surface casing set at 2720' MD shoe depth. Prior to the cement job 350 barrels of mud were circulated with no returns to surface. Two cement slurries consisting of 1300 sacks, 540 barrels of 12.3 ppg lead cement and 125 sacks, 46 barrels of 12.8 ppg tail cement were pumped and displaced with 205 barrels of fresh water, with no returns to surface. Final recorded lift pressure of 208 psi indicates a calculated lift height of 2309'. The primary cement job was followed by a top-out job pumped through a 60' long, 1" diameter line run down the casing annulus. A five stage total of 164 barrels, 760 sacks of 15.8 ppg cement was pumped down the backside during the top-out job, until cement returned to surface with no fall-back.

Well 697-17-64A
API 05-045-18061-00
Hole size 14.75"
Casing Size 9.625
Shoe Depth 2720'
Lift Psi 208
Lead Cement 1300 sxs 2.33 yield 12.3 ppg
Tail Cement 125 sxs 2.07 yield
Top Out Cement 760 sxs 1.15 yield 15.8 ppg
2 bbl Cement to surface

