

Well:	Renninger 30-7-2
Pad:	NGG30NE
API No:	05-077-10210
Permit No:	400412100

Bradenhead Pressure Report Following Intermediate Cement Job

Date Cemented:	09/14/2013
Plug Bumped:	2 stage cement job

Annular Fluid Level After Job (Static or Falling?):	Static	
If falling, barrels of mud added until stabilized:	N/A	barrels

WOC Time:	60 hours
Bond Log Run:	CBL & Iso-scanner

Casing Slips Set:	Mandrel Hanger
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Brandenhead Pressures

6 hrs:	0	psig
12 hrs:	0	psig
24 hrs:	0	psig
48 hrs:	0	psig
72 hrs:	0	psig

Comments

Stage 1 Cement Details

Spacer: 40 bbls 11.5# Mudpush
 Lead Cement: None, single blend slurry
 Tail Cement: 12# TXI, 681 sacks @ 1.78 ft3/sk
 Final Flowing Pressure: 1196 psi
 Final Differential Pressure: 850 psi (plug didn't bump)
 Plan Differential Pressure: 905 psi

Cem-Net lost circulation material was mixed in the first 100 bbls of the design at 2 lbs/bbl. The plug didn't bump on the 1st stage, and the floats held after 1.5 bbls flowing back. The first stage was displaced with 212 bbls of water, and 197 bbls of 10.2# mud. The bomb was dropped & DV tool opened per the expected pressure of 900 psi. Upon the first "bottoms up" circulation, contaminated mud & spacer was circulated to surface, indicated proximity to cement. The rig then circulated for 4 hours with full returns prior to pumping the 2nd stage.

Stage 2 Cement Details

Spacer: 20 bbls 11.5# Mudpush
 Lead Cement: 12# TXI, 329 sacks @ 1.78 ft3/sk
 Tail Cement: 15.8# G, 121 sacks @ 1.16 ft3/sk
 Final Flowing Pressure: 1000 psi
 Plan Differential Pressure: 777 psi

This stage was cemented with full returns, plug bumped 1200 psi over final circulating pressure, and the DV tool closed. We flowed 2 bbls back to the cementer's displacement tank, and the tool was confirmed to be closed.