



RACS, llc

Cement Operation Sheet

Date 2-20-2011 Reason for cementing Surface Casing

Type or Style of Cement operation (tremme, pressure or air-mail) Pressure/circulation

Hole # or Location DCSWD

Hole Depth 230' Hole Diameter 14"

Top Basket or Annular Depth 200'

Casing Depth 200' Casing Diameter 10.75" STC J55

Cement Type Class G Qty. 175 Sks Water Qty. 875

Total mixed fluid volume 201 Cu.Ft.

Additive (type & quantity or %) CACL / 500 lbs. / 3%

Additive (type & quantity or %) _____

Tested Slurry weight 15.8 .lbs/gal. Time of Test 7:00 PM

Sample cup 1 Time: 7:10 PM Set Time: 4:00 A.M

Sample cup _____ Time: _____ Set Time: _____

Sample cup _____ Time: _____ Set Time: _____

Theoretic height gain down hole To surface

Tag Depth 175' ID Time 7:00 A.M.

Operator Edward Scartezina Operator Jason McKinney Operator Joshua Brown

Notes nipple up cement head & loaded with RTJP. nipped up trucks.
Circulated 40 barrels of water, Mixed and pumped 175 sacks of Class G cement mixed to
15.8 .lbs/gal. dropped plug & chased with 17 barrels water, cement to surface, shut-in for 8 hours.
re-entered well and tagged TOC @ 175'. Ran BOP Test; passed, continued drilling.