



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 8/4/2015

Invoice # 80513

API#

Foreman: Kirk Kallhoff

Customer: Anadarko Petroleum Corporation

Well Name: ge powers29n-26hz

County: Weld

State: Colorado

Sec: 23

Twp: 2n

Range: 65w

Consultant: chris

Rig Name & Number: noble 2

Distance To Location: 40

Units On Location: 4031-3103/4024-3203

Time Requested: 1130 am

Time Arrived On Location: 1030 am

Time Left Location: 3:00pm

WELL DATA

Casing Size OD (in) : 9.625
 Casing Weight (lb) : 36.00
 Casing Depth (ft) : 1,833
 Total Depth (ft) : 1843
 Open Hole Diameter (in.) : 13.50
 Conductor Length (ft) : 40
 Conductor ID : 15.25
 Shoe Joint Length (ft) : 40
 Landing Joint (ft) : 10

Max Rate:
 Max Pressure:

Cement Data

Cement Name: BFN III
 Cement Density (lb/gal) : 14.2
 Cement Yield (cuft) : 1.49
 Gallons Per Sack: 7.48
 % Excess: 20%
 Displacement Fluid lb/gal: 8.3
 BBL to Pit:
 Fluid Ahead (bbls): 30.0
 H2O Wash Up (bbls): 10.0

Spacer Ahead Makeup

Casing ID

8.921

Casing Grade

J-55 only used

Calculated Results

cuft of Shoe 17.36 cuft
 (Casing ID Squared) X (.005454) X (Shoe Joint ft)

cuft of Conductor 30.53 cuft
 (Conductor Width Squared) -(Casing Size OD Squared) X (.005454) X (Conductor Length ft)

cuft of Casing 1051.55 cuft
 (Open Hole Squared)-(Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 1099.44 cuft
 (cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 195.81 bbls
 (Total Slurry Volume) X (.1781)

Sacks Needed 738 sk
 (Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 131.41 bbls
 (Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 139.39 bbls
 (Casing ID Squared) X (.0009714) X (Casing Depth + Landing Joint - Shoe Joint)

Pressure of cement in annulus

Hydrostatic Pressure: 1352.20 PSI

Pressure of the fluids inside casing

Displacement: 773.11 psi

Shoe Joint: 29.51 psi

Total 802.62 psi

Differential Pressure: 549.59 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 310.80 bbls

X *Chris Mca*
 Authorization To Proceed

M/D TOTCO 2000 SERIES

