



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 11/9/2017
Invoice #: 200194
API#
Foreman: Kirk Kallhoff

Customer: Anadarko Petroleum Corporation
Well Name: leinweber fed 4c-8hz

County: Weld
State: Colorado
Sec: 11
Twp: 1n
Range: 67w
Consultant: sean
Rig Name & Number: CARTEL 88
Distance To Location: 30
Units On Location: 4028/4032/4024
Time Requested: 800 pm
Time Arrived On Location: 700 pm
Time Left Location: 1:30 pm

WELL DATA

Casing Size OD (in): 9.625
Casing Weight (lb): 36.00
Casing Depth (ft.): 1,857
Total Depth (ft): 1867
Open Hole Diameter (in.): 13.50
Conductor Length (ft): 80
Conductor ID: 15.5
Shoe Joint Length (ft): 40
Landing Joint (ft): 8

Max Rate: 8
Max Pressure: 2000

Cement Data

Cement Name: BFN III
Cement Density (lb/gal): 14.2
Cement Yield (cuft): 1.48
Gallons Per Sack: 7.48
% Excess: 10%
Displacement Fluid lb/gal: 8.3
BBL to Pit:
Fluid Ahead (bbls): 30.0
H2O Wash Up (bbls): 10.0

Spacer Ahead Makeup
30 BBL WATER, DYE IN 2ND 10

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

cuft of Casing 955.32 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 1037.09 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 184.71 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 701 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 124.80 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 141.09 bbls

(Casing ID Squared) X (.0009714) X (Casing Depth + Landing Joint - Shoe Joint)

Pressure of cement in annulus

Hydrostatic Pressure: 1369.91 PSI

Pressure of the fluids inside casing

Displacement: 783.46 psi

Shoe Joint: 29.51 psi

Total 812.96 psi

Differential Pressure: 556.94 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 305.88 bbls

Authorization To Proceed




Anadarko Petroleum Corporation
leinweber fed 4c-8hz

INVOICE #
LOCATION
FOREMAN
Date

200194
Weld
Kirk Kallhoff
11/10/2017

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

X 
Authorized signature

X WSC

Title

X 11-10-17
Date

SERIES 2000

