



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 10/30/2017
Invoice #: 200186
API#:
Foreman: Kirk Kallhoff

Customer: Anadarko Petroleum Corporation
Well Name: newby state 28n-33hz

County: Weld
State: Colorado
Sec: 17
Twp: 1n
Range: 66w

Consultant: bryan
Rig Name & Number: CARTEL 88
Distance To Location: 31
Units On Location: 4028/4039/4030
Time Requested: 700 pm
Time Arrived On Location: 515 pm
Time Left Location: 9:00 pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 781
Total Depth (ft) : 791
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) : 80
Conductor ID : 15.5
Shoe Joint Length (ft) : 44
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 19.10 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 376.86 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 460.36 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 81.99 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 311 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 55.40 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 57.59 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 576.14 PSI

Pressure of the fluids inside casing

Displacement: 317.78 psi

Shoe Joint: 32.46 psi

Total 350.24 psi

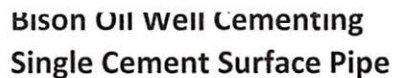
Differential Pressure: 225.90 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 152.99 bbls

X
Authorization To Proceed



Anadarko Petroleum Corporation
newby state 28n-33hz

INVOICE #
LOCATION
FOREMAN
Date

200186
Weld
Kirk Kallhoff
10/30/2017

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

X 
Authorized signature

X Co. Man
Title

X 10-30-17
Date

SERIES 2000

