



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 11/13/2017
Invoice # 200197
API#
Foreman: Kirk Kallhoff

Customer: Anadarko Petroleum Corporation
Well Name: yellowhammer 30n2-8hz

County: Weld
State: Colorado
Sec: 8
Twp: 1n
Range: 68w

Consultant: levi
Rig Name & Number: CARTEL 88
Distance To Location: 42
Units On Location: 4028/4030/4034
Time Requested: 230 pm
Time Arrived On Location: 230 pm
Time Left Location: 7:00pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,862
Total Depth (ft) : 1872
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: 5%
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 914.46 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 996.23 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 177.43 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 673 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 119.88 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 141.47 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 1373.60 PSI

Pressure of the fluids inside casing

Displacement: 785.61 psi

Shoe Joint: 29.51 psi

Total 815.12 psi

Differential Pressure: 558.48 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 301.35 bbls

X *Kirk Kallhoff*
Authorization To Proceed

Bison Oil Well Cementing Single Cement Surface Pipe

Customer
Well Name

Anadarko Petroleum Corporation
yellowhammer 30n2-8hz

INVOICE #
LOCATION
FOREMAN
Date

200197

Weld

Kirk Kallhoff

11/13/2017

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DESCRIPTION OF JOB EVENTS

[illegible]

X

Authorized signature

X

Title

2

Date _____

SERIES 2000

