

Bison Oil Well Cementing Single Cement Surface Pipe

Date: 8/30/2014
Invoice #: 25043
API#: 05-123-39584
Foreman: Calvin Reimers

Customer: Anadarko Petroleum Corporation
Well Name: Douthit 16C-27HZ

County: Weld
State: Colorado
Sec: 26
Twp: 3N
Range: 68W
Consultant: Randy/Toby
Rig Name & Number: Major 29
Distance To Location: 17 Miles
Units On Location: 4034-3104/4018-3204
Time Requested: 1130pm
Time Arrived On Location: 900pm
Time Left Location: 3:45 AM

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,218
Total Depth (ft) : 1234
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) :
Conductor ID :
Shoe Joint Length (ft) : 41
Landing Joint (ft) : 8

Max Rate: 7
Max Pressure: 2500

Cement Data

Cement Name: BFN III
Cement Density (lb/gal) : 14.2
Cement Yield (cuft) : 1.49
Gallons Per Sack: 7.48
% Excess: 26%
Displacement Fluid lb/gal: 8.3
BBL to Pit: 13
Fluid Ahead (bbls): 30.0
H2O Wash Up (bbls): 20.0

Spacer Ahead Makeup
30 bbls H2O+Dye in 2nd 10 bbls

Casing ID 8.921 Casing Grade J-55 only used

Calculated Results

cuft of Shoe 17.64 cuft
(Casing ID Squared) X (.005454) X (Shoe Joint ft)

cuft of Conductor 0.00 cuft
(Conductor Width Squared) -(Casing Size OD Squared) X (.005454) X (Conductor Length ft)

cuft of Casing 748.09 cuft
(Open Hole Squared)-(Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 765.73 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 136.38 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 514 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 91.52 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 91.62 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 898.31 PSI

Pressure of the fluids inside casing

Displacement: 507.53 psi

Shoe Joint: 29.98 psi

Total 537.51 psi

Differential Pressure: 360.80 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 233.14 bbls

X
Authorization To Proceed



LOCATION
FOREMAN
Date

Anadarko Petroleum Corporation
Douthit 16C-27HZ

Customer
Well Name

Treatment Report Page 2


DESCRIPTION OF JOB EVENTS

[illegible]

Notes:

The day

1/2 BBL Back on Bleed Off

X  Work Performed

	X	Date
Title _____	X	_____
Work performed _____	X	_____

SERIES 2000

