



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 4/26/2018
Invoice # 300119
API# 05-123-46333
Foreman: JASON KELEHER

Customer: Anadarko Petroleum Corporation

Well Name: GEORGE 25-6HZ

County: Weld

State: Colorado

Sec: 25

Twp: 2N

Range: 65W

Consultant: BRYAN

Rig Name & Number: CARTEL 88

Distance To Location: 34

Units On Location: 1044-3102, 4024-3201, 4040-3211

Time Requested: 1000

Time Arrived On Location: 900

Time Left Location: 1300

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,867
Total Depth (ft) : 1877
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) : 80
Conductor ID : 15.25
Shoe Joint Length (ft) : 43
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: 21.0
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 18.59 cuft

(Casing ID Squared) X (.005454) X (Shoe Joint ft)

cuft of Conductor 61.05 cuft

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

cuft of Casing 960.70 cuft

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

Total Slurry Volume 1040.34 cuft

(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 185.28 bbls

(Total Slurry Volume) X (.1781)

Sacks Needed 703 sk

(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 125.19 bbls

(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 141.64 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 1377.29 PSI

Pressure of the fluids inside casing

Displacement: 786.55 psi

Shoe Joint: 31.60 psi

Total 818.14 psi

Differential Pressure: 559.14 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 306.83 bbls

X 
Authorization To Proceed



Anadarko Petroleum Corporation
GEORGE 25-6HZ

INVOICE #
LOCATION
FOREMAN
Date

300119
Weld
JASON KELEHER
4/26/2018

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

X Bryan Bur
Authorized signature

X Co. Man
Title

X 4-26-18
Date

GEORGE 25-6HZ SURFACE

