



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 9/17/2014

Invoice # 35042

API#

Foreman: Kirk Kallhoff

Customer: Anadarko Petroleum Corporation

Well Name: cono 34n-14hz

County: Weld

State: Colorado

Sec: 9

Twp: 4n

Range: 66w

Consultant: toby

Rig Name & Number: major 42

Distance To Location: 30

Units On Location: 4030-3103/4024-3203

Time Requested: 930am

Time Arrived On Location: 930 am

Time Left Location: 3:30 pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft) : 1,146
Total Depth (ft) : 1176
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) :
Conductor ID :
Shoe Joint Length (ft) : 41
Landing Joint (ft) : 8

Max Rate:

Max Pressure:

Cement Data

Cement Name: BFN III
Cement Density (lb/gal) : 14.2
Cement Yield (cuft) : 1.49
Gallons Per Sack: 7.48
% Excess: 17%
Displacement Fluid lb/gal: 8.3
BBL to Pit:
Fluid Ahead (bbls): 30.0
H2O Wash Up (bbls): 20.0

Spacer Ahead Makeup

Casing ID

8.921

Casing Grade

J-55 only used

Calculated Results

cuft of Shoe 17.80 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 655.30 cuft

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

Total Slurry Volume 673.09 cuft

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

bbls of Slurry 119.88 bbls

(Total Slurry Volume) X (.1781)

Sacks Needed 452 sk

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

Mix Water 80.45 bbls

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

Displacement: 86.04 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 845.40 PSI

Pressure of the fluids inside casing

Displacement: 476.46 psi

Shoe Joint: 30.25 psi

Total 506.70 psi

Differential Pressure: 338.70 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 216.50 bbls

X

Authorization To Proceed

Customers hereby acknowledges and specifically agrees to the terms and condition on this work order, including, without limitation, the provisions on this work order.



INVOICE #
LOCATION
FOREMAN
Date

35042	Weld	Kirk Kallh	9/17/201
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Anadarko Petroleum Corporation
cono 34n-14hz

Customer
Well Name

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DESCRIPTION OF JOB EVENTS

[illegible]

Notes:

bumped plug at 86 bbls at 258 pm at 1440 psi

119.6 bbls slurry

floats held

casing test 1000 psi for 15 min

X

X

Work Performed

Title

Date _____

Date	
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M/D TOTCO 2000 SERIES

