



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 10/6/2017
Invoice #: 900186
API#: 05-123-45156
Foreman: Corey B.

Customer: Anadarko Petroleum Corporation
Well Name: Robin 9-8HZ

County: Weld
State: Colorado
Sec: 9
Twp: 1N
Range: 65W

Consultant: Matt
Rig Name & Number: Cartel 88
Distance To Location: 39
Units On Location: 1027/3103-4033/3212-4020/321
Time Requested: 1730
Time Arrived On Location: 1630
Time Left Location:

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,829
Total Depth (ft) : 1839
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) : 80
Conductor ID : 15.25
Shoe Joint Length (ft) : 44
Landing Joint (ft) : 15

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: 7.40
% Excess: 15%
Displacement Fluid lb/gal: 8.3
BBL to Pit:
Fluid Ahead (bbls): 30.0
H2O Wash Up (bbls): 20.0

Spacer Ahead Makeup
30 bbl with Die in @nd 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 61.05 cuft
(Conductor Width Squared) - (Casing Size OD Squared) X (.005454) X (Conductor Length ft)

cuft of Casing 983.01 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 1063.16 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 189.35 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 718 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 126.57 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 139.15 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 1349.25 PSI

Pressure of the fluids inside casing

Displacement: 769.66 psi

Shoe Joint: 32.46 psi

Total 802.12 psi

Differential Pressure: 547.14 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 315.72 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.

Bison Oil Well Cementing Single Cement Surface Pipe

Customer
Well Name

Anadarko Petroleum Corporation
Robin 9-8HZ

INVOICE #
LOCATION
FOREMAN
Date

900186
Weld
Corey B.
10/7/2017

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DESCRIPTION OF JOB EVENTS

[illegible]

X

Work Performed	
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X

Title

✓

Date _____

Robin 9-8HZ

