



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 12/6/2014
Invoice #: 25096
API#: 05-123-40605
Foreman: Calvin Reimers

Customer: Anadarko Petroleum Corporation
Well Name: Taipan 27C-15HZ

County: Weld
State: Colorado
Sec: 22
Twp: 2N
Range: 67W

Consultant: Mike / Toby
Rig Name & Number: Major42
Distance To Location: 20 Miles
Units On Location: 4023-3104/4024-3203
Time Requested: 200am
Time Arrived On Location: 1145pm
Time Left Location: 8:30am

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,268
Total Depth (ft) : 1284
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) :
Conductor ID :
Shoe Joint Length (ft) : 40
Landing Joint (ft) : 8

Max Rate: 5
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: 21%
Displacement Fluid lb/gal: 8.3
BBL to Pit: 22
Fluid Ahead (bbls): 30.0
H2O Wash Up (bbls): 20.0

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

Casing ID

8.921

Casing Grade

J-55 only used

Calculated Results

cuft of Shoe 17.18 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 747.16 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 764.33 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 136.13 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 513 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 91.36 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 95.60 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 935.53 PSI

Pressure of the fluids inside casing

Displacement: 529.75 psi

Shoe Joint: 29.19 psi

Total 558.94 psi

Differential Pressure: 376.59 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 236.96 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.



Single Cement Surface Pipe

Customer
Well Name

Anadarko Petroleum Corporation
Tainan 27C-15HZ

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DESCRIPTION OF JOB EVENTS

[illegible]

Notes:

The day

1/2 bbl Back on Bleed Off

☒

10/11/12

X	Title
1	1. The first title
2	2. The second title
3	3. The third title
4	4. The fourth title
5	5. The fifth title
6	6. The sixth title
7	7. The seventh title
8	8. The eighth title
9	9. The ninth title
10	10. The tenth title

X
Date

SERIES 2000

