

Bison Oil Well Cementing Single Cement Surface Pipe

Date: 9/14/2014
Invoice # 35039
API#
Foreman: Kirk Kallhoff

Customer: Anadarko Petroleum Corporation
Well Name: ridgeview 3n-11hz

County: Weld
State: Colorado
Sec: 14
Twp: 1n
Range: 68w

Consultant: toby
Rig Name & Number: major 42
Distance To Location: 28
Units On Location: 4030-3103/4017-3210
Time Requested: 400 am
Time Arrived On Location: 345 am
Time Left Location: 9:00pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,262
Total Depth (ft) : 1280
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) :
Conductor ID :
Shoe Joint Length (ft) : 40
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: 16%
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 17.36 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 715.46 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 732.82 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 130.52 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 492 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 87.59 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 95.09 bbls
(Casing ID Squared) X (.0009714) X (Casing Depth + Landing Joint - Shoe Joint)

Pressure of cement in annulus

Hydrostatic Pressure: 930.98 PSI

Pressure of the fluids inside casing

Displacement: 526.90 psi

Shoe Joint: 29.51 psi

Total 556.41 psi

Differential Pressure: 374.57 psi

Collapse PSI: 2020.00 psi

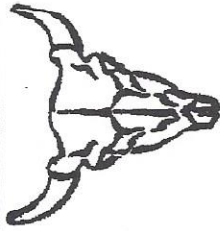
Burst PSI: 3520.00 psi

Total Water Needed: 232.68 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.



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Single Cement Surface Pipe**

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LOCATION
FOREMAN
Date

35039
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Customer
Well Name

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ridgeview 3n-11hz

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DESCRIPTION OF JOB EVENTS

	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5		
	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI
Safety Meeting	645am														
MIRU	610am														
CIRCULATE	706am														
Drop Plug															
746 am															
M & P															
Time	Sacks														
714 am	491														
743 am stop															
% Excess	16%														
Mixed bbls	87.5														
Total Sacks	491														
bbl Returns	15														
Water Temp															

Notes:

bumped plug at 95 bbls at 810 am 1420 psi

130.5 bbls slurry

floats held

X

X Co-man

Title

X 9-14-14

Date

Work Performed

M/D TOTCO 2000 SERIES

