



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 2/27/2018
Invoice #: 900269
API#: 05-123-46082
Foreman: Corey Barras

Customer: Bill Barrett Corp.
Well Name: Anschutz State 5-62-26 6457CN

County: Weld
State: Colorado
Sec: 27
Twp: 5N
Range: 62W

Consultant: Matt
Rig Name & Number: WM 344
Distance To Location: 42
Units On Location: 4024/3103 -4024/3201
Time Requested: 430
Time Arrived On Location: 330
Time Left Location:

WELL DATA	Cement Data
Casing Size OD (in) : 9.625	Cement Name: BFN III
Casing Weight (lb) : 36.00	Cement Density (lb/gal) : 14.2
Casing Depth (ft.) : 817	Cement Yield (cuft) : 1.48
Total Depth (ft) : 817	Gallons Per Sack: 7.49
Open Hole Diameter (in.) : 13.50	% Excess: 10%
Conductor Length (ft) : 0	Displacement Fluid lb/gal: 8.3
Conductor ID : 0	BBL to Pit:
Shoe Joint Length (ft) : 42	Fluid Ahead (bbls): 20.0
Landing Joint (ft) : 0	H2O Wash Up (bbls): 20.0
Max Rate: 8	Spacer Ahead Makeup
Max Pressure: 2500	20 BBL with die in 1st 10

Casing ID 8.921	Casing Grade J-55 only used
Calculated Results	Displacement: 58.68 bbls
cuft of Shoe 18.23 cuft (Casing ID Squared) X (.005454) X (Shoe Joint ft)	(Casing ID Squared) X (.0009714) X (Casing Depth + Landing Joint - Shoe Joint)
cuft of Conductor 0.00 cuft (Conductor Width Squared) -(Casing Size OD Squared) X (.005454) X (Conductor Length ft)	Pressure of cement in annulus
cuft of Casing 430.62 cuft (Open Hole Squared)-(Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)	Hydrostatic Pressure: 590.90 PSI
Total Slurry Volume 448.85 cuft (cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)	Pressure of the fluids inside casing
bbls of Slurry 79.94 bbls (Total Slurry Volume) X (.1781)	Displacement: 327.27 psi
Sacks Needed 303 sk (Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)	Shoe Joint: 30.98 psi
Mix Water 54.08 bbls (Sacks Needed) X (Gallons Per Sack) ÷ 42	Total 358.25 psi
	Differential Pressure: 232.65 psi
	Collapse PSI: 2020.00 psi
	Burst PSI: 3520.00 psi
	Total Water Needed: 152.76 bbls

X

Authorization To Proceed



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LOCATION
FOREMAN
Date

900269
Weld
Corey Barras
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DESCRIPTION OF JOB EVENTS

[illegible]

X

Work Performed

X

Title

2

Date _____