



Bison Oil Well Cementing Single Cement Surface Pipe


Date: 3/2/2018
Invoice #: 900273
API#: 05-123-46251
Foreman: Corey Barras

Customer: Anadarko Petroleum Corporation
Well Name: Verde 13-14HZ

County: Weld
State: Colorado
Sec: 13
Twp: 1N
Range: 66W
Consultant: Matt
Rig Name & Number: Cartel 88
Distance To Location: 37
Units On Location: 4027-3103/4030-3213/4024-3201
Time Requested: 2300
Time Arrived On Location: 2110
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.) : 1,862	Cement Yield (cuft) : 1.48
Total Depth (ft) : 1872	Gallons Per Sack: 7.40
Open Hole Diameter (in.) : 13.50	% Excess: 5%
Conductor Length (ft) : 80	Displacement Fluid lb/gal: 8.3
Conductor ID : 15.25	BBL to Pit:
Shoe Joint Length (ft) : 44	Fluid Ahead (bbls): 30.0
Landing Joint (ft) : 15	H2O Wash Up (bbls): 20.0
Max Rate: 8	Spacer Ahead Makeup
Max Pressure: 2000	30 bbl with Die in 2nd 10

Casing ID	8.921	Casing Grade	J-55 only used
Calculated Results	Displacement:	141.71	bbls
cuft of Shoe 19.10 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 61.05 cuft (Conductor Width Squared) - (Casing Size OD Squared) X (.005454) X (Conductor Length ft)	Pressure of cement in annulus		
cuft of Casing 914.46 cuft (Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)	Hydrostatic Pressure:	1373.60	PSI
Total Slurry Volume 994.61 cuft (cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)	Pressure of the fluids inside casing		
bbls of Slurry 177.14 bbls (Total Slurry Volume) X (.1781)	Displacement:	783.89	psi
Sacks Needed 672 sk (Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)	Shoe Joint:	32.46	PSI
Mix Water 118.41 bbls (Sacks Needed) X (Gallons Per Sack) ÷ 42	Total	816.35	psi
	Differential Pressure:	557.25	psi
	Collapse PSI:	2020.00	psi
	Burst PSI:	3520.00	psi
	Total Water Needed:	310.11	bbls

X 
Authorization To Proceed



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Anadarko Petroleum Corporation
Verde 13-14HZ

INVOICE #
LOCATION
FOREMAN
Date

900273
Weld
Corey Barras
3/3/2018

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DESCRIPTION OF JOB EVENTS

[illegible]

X

Work Performed

X

Title

2

Date _____

Verde 13-14HZ

