



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 1/3/2015
Invoice #: 25119
API#: 05-123-40746
Foreman: Calvin Reimers

Customer: Anadarko Petroleum Corporation
Well Name: Goodin 15N-A6HZ

County: Weld
State: Colorado
Sec: 7
Twp: 1N
Range: 67W
Consultant: Toby
Rig Name & Number: Major 42
Distance To Location: 22 Miles
Units On Location: 4023-3104/4024-3203
Time Requested: 1100am
Time Arrived On Location: 930am
Time Left Location: 4:30pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,565
Total Depth (ft) : 1581
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) : 47
Conductor ID : 16
Shoe Joint Length (ft) : 42
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: 10%
Displacement Fluid lb/gal: 8.3
BBL to Pit: 23
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 18.09 cuft
(Casing ID Squared) X (.005454) X (Shoe Joint ft)

cuft of Conductor 41.88 cuft
(Conductor Width Squared) -(Casing Size OD Squared) X (.005454) X (Conductor Length ft)

cuft of Casing 819.21 cuft
(Open Hole Squared)-(Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 879.18 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 156.58 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 590 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 105.09 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 118.36 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 1154.32 PSI

Pressure of the fluids inside casing

Displacement: 656.72 psi

Shoe Joint: 30.75 psi

Total 687.47 psi

Differential Pressure: 466.85 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 273.45 bbls

X

Authorization To Proceed



DISON Oil Well Cementing
Single Cement Surface Pipe

Customer
Well Name

Anadarko Petroleum Corporation
Goodin 15N-A6HZ

INVOICE #
LOCATION
FOREMAN
Date

29119
Weld
Calvin Reimers
1/3/2015

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

Safety Meeting MIRU CIRCULATE Drop Plug 306pm M & P Time Sacks 232pm 303pm % Excess Mixed bbls Total Sacks bbl Returns Water Temp	157pm 930am 227pm 306pm M & P Time Sacks 232pm 303pm % Excess Mixed bbls Total Sacks bbl Returns Water Temp	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
		0	307pm	90	0			0			0			0		
		10	309pm	30	10			10			10			10		
		20	311pm	60	20			20			20			20		
		30	313pm	90	30			30			30			30		
		40	315pm	120	40			40			40			40		
		50	317pm	200	50			50			50			50		
		60	319pm	270	60			60			60			60		
		70	320pm	340	70			70			70			70		
		80	322pm	400	80			80			80			80		
		90	324pm	450	90			90			90			90		
		100	325pm	500	100			100			100			100		
		110	327pm	500	110			110			110			110		
		120	329pm	390	120			120			120			120		
		130	Bump	1390	130	331pm		130			130			130		
		140	Bump	980	140	333pm		140			140			140		
		150			150			150			150			150		

Notes:

The day

1/2 bbl Back on Bleed Off

X

Work Performed

X

Title

X

Date

SERIES 2000

