



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 11/7/2014
Invoice #: 25082
API#: 05-123-39172
Foreman: Calvin Reimers

Customer: Anadarko Petroleum Corporation
Well Name: Gee 15C-25HZ

County: Weld
State: Colorado
Sec: 24
Twp: 2N
Range: 67W

Consultant: Ellis
Rig Name & Number: Major 29
Distance To Location: 18 Miles
Units On Location: 4023-3104/4018-3204
Time Requested: 800pm
Time Arrived On Location: 630pm
Time Left Location: 9:30pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,050
Total Depth (ft) : 1066
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) :
Conductor ID :
Shoe Joint Length (ft) : 42
Landing Joint (ft) : 8

Max Rate: 7
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: 15%
Displacement Fluid lb/gal: 8.3
BBL to Pit: 8
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 18.43 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 592.47 cuft
(Open Hole Squared)-(Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 610.90 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 108.80 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 410 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 73.02 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 78.49 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 774.41 PSI

Pressure of the fluids inside casing

Displacement: 434.32 psi

Shoe Joint: 31.33 psi

Total 465.65 psi

Differential Pressure: 308.75 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 201.51 bbls

Authorization To Proceed

MAJOR 29

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

75002

INVOICE #
LOCATION
FOREMAN
Date

Weld

Calvin Reimers
11/7/2014

Customer
Well Name

Anadarko Petroleum Corporation
Gee 15C-25HZ

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DESCRIPTION OF JOB EVENTS

Safety Meeting MIRU		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
CIRCULATE	724pm	0	829pm	40	0			0					0			
	700pm	10	832pm	20	10			10					10			
	805pm	20	833pm	60	20			20					20			
Drop Plug		30	835pm	120	30			30					30			
		40	837pm	210	40			40					40			
		50	839pm	250	50			50					50			
		60	840pm	310	60			60					60			
		70	842pm	350	70			70					70			
		80	845pm	300	80			80					80			
		90	Bump	1300	90	847pm		90					90			
		100	Bump	1010	100	849pm		100					100			
		110			110			110					110			
		120			120			120					120			
		130			130			130					130			
		140			140			140					140			
		150			150			150					150			
% Excess	15%															
Mixed bbls	73.02															
Total Sacks	410															
bbl Returns	8															
Water Temp	55.9															
Notes:																

Notes:

The day

1/2 bb | back on bleed off

X Edo Lino - M Air 29
Work Performed

Work Performed

X	Title
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X
Date

SERIES 2000

