



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 9/16/2014
Invoice #: 25053
API#: 05-123-39971
Foreman: Calvin Reimers

Customer: Anadarko Petroleum Corporation
Well Name: Ranchview 28C-11HZ

County: Weld
State: Colorado
Sec: 14
Twp: 1N
Range: 68W
Consultant: Toby
Rig Name & Number: Major 42
Distance To Location: 29 Miles
Units On Location: 4023-3104/4024-3203
Time Requested: 230am
Time Arrived On Location: 140am
Time Left Location: 9:45 am

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,288
Total Depth (ft) : 1304
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) :
Conductor ID :
Shoe Joint Length (ft) : 39
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: 21%
Displacement Fluid lb/gal: 8.3
BBL to Pit: 0
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 17.12 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 758.65 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing
Depth - Conductor Length)

Total Slurry Volume 775.76 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 138.16 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 521 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 92.72 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 97.16 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 950.31 PSI

Pressure of the fluids inside casing

Displacement: 538.44 psi

Shoe Joint: 29.09 psi

Total 567.54 psi

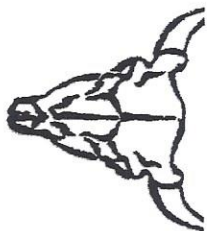
Differential Pressure: 382.77 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 239.88 bbls

X
Authorization To Proceed



BISON Oil Well Cementing
Single Cement Surface Pipe

Customer
Well Name

Anadarko Petroleum Corporation
Ranchview 28C-11H2

INVOICE #
LOCATION
FOREMAN
Date

25053
Weld
Calvin Reimers
9/16/2014

DESCRIPTION OF JOB EVENTS

Treatment Report Page 2

Safety Meeting	337am	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5		
	255am	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI
MIRU	351am	0	449am	10	0			0			0			0		
CIRCULATE	Drop Plug	10	453am	10	10			10			10			10		
		20	455am	10	20			20			20			20		
		30	500am	20	30			30			30			30		
		40	503am	70	40			40			40			40		
M & P		50	506am	120	50			50			50			50		
		60	510am	170	60			60			60			60		
		70	514am	230	70			70			70			70		
		80	517am	260	80			80			80			80		
Top Job		90	521am	300	90			90			90			90		
825am	180	100	525am	270	100			100			100			100		
852am		110	Bump	1260	110	527am		110			110			110		
% Excess	20%	120	Bump	990	120	529am		120			120			120		
Mixed bbls	92.72	130			130			130			130			130		
Total Sacks	521	140			140			140			140			140		
bbl Returns	0	150			150			150			150			150		
Water Temp	59.6															

Notes:

The day

1/2 bbl back on bleed off

Top Job used 180 sks 47.76 bbls Slurry 2bbls to Surface on top job

Used 165 ft. of 1 inch

Total used 701 sks 185.92 bbls Slurry

X 

X
Title

X
Date

SERIES 2000

