



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 3/8/2015

Invoice # 80055

API#

Foreman: kirk kallhoff

Customer: Anadarko Petroleum Corporation

Well Name: cream 15n-b28hz

County: Weld

State: Colorado

Sec: 28

Twp: 3n

Range: 65w

Consultant: vivian

Rig Name & Number: advanced 10

Distance To Location: 10

Units On Location: 4038-3103/4030-3203

Time Requested: 800 am

Time Arrived On Location: 630 am

Time Left Location: 11:30 am

WELL DATA

Casing Size OD (in) : 9.625

Casing Weight (lb) : 36.00

Casing Depth (ft) : 1,193

Total Depth (ft) : 1211

Open Hole Diameter (in.) : 13.50

Conductor Length (ft) : 45

Conductor ID : 16

Shoe Joint Length (ft) : 39

Landing Joint (ft) : 8

Max Rate:

Max Pressure:

Cement Data

Cement Name: BFN III

Cement Density (lb/gal) : 14.2

Cement Yield (cuft) : 1.49

Gallons Per Sack: 7.48

% Excess: 20%

Displacement Fluid lb/gal: 8.3

BBL to Pit:

Fluid Ahead (bbls): 30.0

H2O Wash Up (bbls): 10.0

Spacer Ahead Makeup

Casing ID

8.921

Casing Grade

J-55 only used

Calculated Results

cuft of Shoe 16.93 cuft

(Casing ID Squared) X (.005454) X (Shoe Joint ft)

cuft of Conductor 40.09 cuft

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

cuft of Casing 673.27 cuft

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

Total Slurry Volume 730.30 cuft

(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 130.07 bbls

(Total Slurry Volume) X (.1781)

Sacks Needed 490 sk

(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 87.29 bbls

(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 89.83 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 880.08 PSI

Pressure of the fluids inside casing

Displacement: 497.58 psi

Shoe Joint: 28.77 psi


Total 526.35 psi

Differential Pressure: 353.72 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 217.12 bbls

X 
Authorization To Proceed

Customers hereby acknowledges and specifically agrees to the terms and condition on this work order, including, without limitation, the provisions on this work order.



**Bison Oil Well Cementing
Single Cement Surface Pipe**

Customer
Well Name

Anadarko Petroleum Corporation
cream 15n-b28hz

INVOICE #
LOCATION
FOREMAN
Date

80055
Weld
kirk kallhoff
3/8/2015

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

		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
Safety Meeting	905am															
MIRU	700am															
CIRCULATE	946am	0	1027a	10	0			0			0			0		
Drop Plug		10	1029a	30	10			10			10			10		
1027 am		20	1031a	30	20			20			20			20		
		30	1033a	30	30			30			30			30		
		40	1036a	140	40			40			40			40		
M & P		50	1038a	200	50			50			50			50		
Time	Sacks	60	1040a	260	60			60			60			60		
952 am	490	70	1042a	320	70			70			70			70		
1024 am stop		80	1044a	370	80			80			80			80		
		90			90			90			90			90		
		100			100			100			100			100		
		110			110			110			110			110		
% Excess	20%	120			120			120			120			120		
Mixed bbls	87.2	130			130			130			130			130		
Total Sacks	490	140			140			140			140			140		
bbl Returns	12	150			150			150			150			150		
Water Temp																

Notes:

bumped plug at 1047 am 840 psi

floats held

x Vincent By
Work Preformed

x Foreman
Title

x 3-8-15
Date

M/D TOTCO 2000 SERIES

