



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 1/9/2015

Invoice # 35103

API#

Foreman: kirk kallhoff

Customer: Anadarko Petroleum Corporation

Well Name: gooding 38n-b6hz

County: Weld

State: Colorado

Sec: 7

Twp: 1n

Range: 67w

Consultant: mike

Rig Name & Number: major 42

Distance To Location: 25

Units On Location: 4030-3203/4024-3203

Time Requested: 700 pm

Time Arrived On Location: 530 pm

Time Left Location: 1:00 pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,559
Total Depth (ft) : 1567
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) : 47
Conductor ID : 16
Shoe Joint Length (ft) : 41
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: 15%
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 17.80 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 849.80 cuft

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

Total Slurry Volume 909.47 cuft

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

bbls of Slurry 161.98 bbls

(Total Slurry Volume) X (.1781)

Sacks Needed 610 sk

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

Mix Water 108.71 bbls

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

Displacement: 117.97 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 1150.07 PSI

Pressure of the fluids inside casing

Displacement: 654.53 psi

Shoe Joint: 30.25 psi

Total 684.78 psi

Differential Pressure: 465.30 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 266.68 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
gooding 38n-b6hz

INVOICE #
LOCATION
FOREMAN
Date

35103
Weld
kirk kallhoff
1/10/2015

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	1040pm															
MIRU	545pm															
CIRCULATE	1111pm	0	1156p	10	0			0			0			0		
Drop Plug		10	1159p	100	10			10			10			10		
1156 pm		20	1201a	100	20			20			20			20		
		30	1205a	100	30			30			30			30		
		40	1207a	530	40			40			40			40		
M & P		50	1209a	610	50			50			50			50		
Time	Sacks	60	1212a	510	60			60			60			60		
1118 pm	607	70	1214a	550	70			70			70			70		
1153 pm stop		80	1216a	600	80			80			80			80		
		90	1219a	640	90			90			90			90		
		100	1221a	670	100			100			100			100		
		110	1223a	560	110			110			110			110		
% Excess	14%	120			120			120			120			120		
Mixed bbls	108.1	130			130			130			130			130		
Total Sacks	607	140			140			140			140			140		
bbl Returns	22	150			150			150			150			150		
Water Temp																

Notes:

bumped plug at 1227 am 1550 psi

floats held

X

Work Performed

X

Title

X

Date

1-10-15

M/D TOTCO 2000 SERIES

