



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 1/6/2015

Invoice # 35100

API#

Foreman: kirk kallhoff

Customer: Anadarko Petroleum Corporation

Well Name: gooding 37n-c6hz

County: Weld

State: Colorado

Sec: 7

Twp: 1n

Range: 67w

Consultant: toby

Rig Name & Number: major 42

Distance To Location: 25

Units On Location: 4030-3203/4024-3203

Time Requested: 500 pm

Time Arrived On Location: 300 pm

Time Left Location: 9:00 pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,569
Total Depth (ft) : 1577
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) : 47
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: 10%
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 41.88 cuft
(Conductor Width Squared) - (Casing Size OD Squared) X (.005454) X (Conductor Length ft)

cuft of Casing 818.23 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 877.03 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 156.20 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 589 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 104.83 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 118.90 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 1157.45 PSI

Pressure of the fluids inside casing

Displacement: 659.71 psi

Shoe Joint: 28.77 psi

Total 688.48 psi

Differential Pressure: 468.97 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 263.73 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 37n-c6hz

INVOICE #
LOCATION
FOREMAN
Date

35100
Weld
kirk kallhoff
1/6/2015

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	656pm															
MIRU	630pm															
CIRCULATE	720pm	0	804pm	10	0			0			0			0		
Drop Plug		10	806pm	110	10			10			10			10		
804 pm		20	809pm	110	20			20			20			20		
		30	811pm	70	30			30			30			30		
		40	813pm	100	40			40			40			40		
M & P		50	815pm	200	50			50			50			50		
Time	Sacks	60	817pm	260	60			60			60			60		
727 pm	589	70	820pm	310	70			70			70			70		
801 pm stop		80	822pm	360	80			80			80			80		
		90	825pm	420	90			90			90			90		
		100	828pm	460	100			100			100			100		
		110	831pm	510	110			110			110			110		
% Excess	10%	120			120			120			120			120		
Mixed bbls	104.9	130			130			130			130			130		
Total Sacks	589	140			140			140			140			140		
bbl Returns	7	150			150			150			150			150		
Water Temp																

Notes:

bumped plug at 837 pm 1520 psi

floats held

X 
Work Performed

X _____
Title

X 1-6-15
Date

M/D TOTCO 2000 SERIES

