



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 1/5/2015

Invoice # 35099

API#

Foreman: kirk kallhoff

Customer: Anadarko Petroleum Corporation

Well Name: gooding 37n-a6hz

County: Weld

State: Colorado

Sec: 7

Twp: 1n

Range: 67w

Consultant: elis

Rig Name & Number: major 42

Distance To Location: 25

Units On Location: 4030-3203/4018-3204

Time Requested: 400 am

Time Arrived On Location: 200 am

Time Left Location: 5:30 am

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft.) : 1,553
Total Depth (ft) : 1577
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: 8%
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 794.91 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)

Total Slurry Volume 854.58 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)

bbls of Slurry 152.20 bbls
(Total Slurry Volume) X (.1781)

Sacks Needed 574 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)

Mix Water 102.15 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 117.51 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 1145.65 PSI

Pressure of the fluids inside casing

Displacement: 651.95 psi

Shoe Joint: 30.25 psi

Total 682.19 psi

Differential Pressure: 463.46 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 259.65 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-a6hz

INVOICE #
LOCATION
FOREMAN
Date

35099
Weld
kirk kallhoff
1/5/2015

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	312am															
MIRU	215am															
CIRCULATE	343am	0	429am	10	0			0			0			0		
Drop Plug		10	431am	60	10			10			10			10		
429 am		20	433am	70	20			20			20			20		
		30	436am	80	30			30			30			30		
		40	438am	120	40			40			40			40		
M & P		50	440am	190	50			50			50			50		
Time	Sacks	60	442am	250	60			60			60			60		
350 am	574	70	444am	280	70			70			70			70		
425 amstop		80	446am	340	80			80			80			80		
		90	449am	430	90			90			90			90		
		100	451am	460	100			100			100			100		
		110	455am	470	110			110			110			110		
% Excess	8%	120			120			120			120			120		
Mixed bbls	102.3	130			130			130			130			130		
Total Sacks	574	140			140			140			140			140		
bbl Returns	20	150			150			150			150			150		
Water Temp																

Notes:

did not bump plug pumped 1.5 bbls over

floats held

X

Work Performed

X

Title

X

Date

1-5-15

M/D TOTCO 2000 SERIES

