



Bison Oil Well Cementing
Single Cement Surface Pipe

Customer
Well Name

bill barrett
fiducial 6-62-34-3340bh2

INVOICE #
LOCATION
FOREMAN
Date

12050
weld
Kirk Kallhoff
6/24/2014

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

Safety Meeting	105am	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
MIRU	1215am															
CIRCULATE	115am	0	146am	10	0			0			0			0		
Drop Plug		10	148am	40	10			10			10			10		
146 am		20	150am	50	20			20			20			20		
		30	152am	120	30			30			30			30		
		40	154am	240	40			40			40			40		
M & P		50	156am	310	50			50			50			50		
Time	Sacks	60			60			60			60			60		
128 am	349	70			70			70			70			70		
143 am stop		80			80			80			80			80		
		90			90			90			90			90		
		100			100			100			100			100		
		110			110			110			110			110		
% Excess	10% 9%	120			120			120			120			120		
Mixed bbls	49	130			130			130			130			130		
Total Sacks	349	140			140			140			140			140		
bbl Returns	9	150			150			150			150			150		
Water Temp																

Notes:

bumped plug at 200 am 580 psi 78.9 bbls slurry

X

Work Performed

X

Title

X

Date



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 6/24/2014

Invoice # 12050

API#

Foreman: Kirk Kallhoff

Customer: bill barrett

Well Name: fiducial 6-62-34-3340bh2

County: weld

State: Colorado

Sec: 34

Twp: 6n

Range: 62w

Consultant: casey

Rig Name & Number: major 43

Distance To Location: 30

Units On Location: 3103-3212

Time Requested: 100 am

Time Arrived On Location: 1100 pm

Time Left Location: 2:30 pm

WELL DATA

Casing Size OD (in) : 9.625
Casing Weight (lb) : 36.00
Casing Depth (ft) : 799
Total Depth (ft) : 810
Open Hole Diameter (in.) : 13.50
Conductor Length (ft) :
Conductor ID :
Shoe Joint Length (ft) : 36
Landing Joint (ft) : 8

Max Rate:

Max Pressure:

Cement Data

Cement Name: BFN III
Cement Density (lb/gal) : 15.2
Cement Yield (cuft) : 1.27
Gallons Per Sack: 5.89
% Excess: 0%
Displacement Fluid lb/gal: 8.3
BBL to Pit:
Fluid Ahead (bbls): 60.0
H2O Wash Up (bbls): 20.0

Spacer Ahead Makeup

Casing ID

8.921

Casing Grade

J-55 only used

Calculated Results

cuft of Shoe 15.63 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 390.49 cuft
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)
Total Slurry Volume 406.12 cuft
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)
bbls of Slurry 72.33 bbls
(Total Slurry Volume) X (.1781)
Sacks Needed 320 sk
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)
Mix Water 44.85 bbls
(Sacks Needed) X (Gallons Per Sack) ÷ 42

Displacement: 59.60 bbls

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

Pressure of cement in annulus

Hydrostatic Pressure: 630.89 PSI

Pressure of the fluids inside casing

Displacement: 328.99 psi

Shoe Joint: 28.43 psi

Total 357.42 psi

Differential Pressure: 273.47 psi

Collapse PSI: 2020.00 psi

Burst PSI: 3520.00 psi

Total Water Needed: 184.45 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.