



Bison Oil Well Cementing Single Cement Surface Pipe

Date: 3/6/2015
 Invoice # 80053
 API# _____
 Foreman: Kirk Kallhoff

Customer: Bill Barrett Corp.
Well Name: Anschutz State 5-62-26-3225BH2

County: Weld
 State: Colorado
 Sec: 26
 Twp: 5n
 Range: 62w

Consultant: casy
 Rig Name & Number: major 42
 Distance To Location: 47
 Units On Location: 4030-3103/4020-3212
 Time Requested: 1000 am
 Time Arrived On Location: 915 am
 Time Left Location: 12:15 pm

WELL DATA	
Casing Size OD (in) :	9.625
Casing Weight (lb) :	36.00
Casing Depth (ft.) :	785
Total Depth (ft) :	795
Open Hole Diameter (in.) :	13.50
Conductor Length (ft) :	
Conductor ID :	
Shoe Joint Length (ft) :	40
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:	10%
Displacement Fluid lb/gal:	8.3
BBL to Pit:	
Fluid Ahead (bbls):	20.0
H2O Wash Up (bbls):	10.0
Spacer Ahead Makeup	

Casing ID	8.921	Casing Grade	J-55 only used
Calculated Results		Displacement: 58.21 bbls (Casing ID Squared) X (.0009714) X (Casing Depth + Landing Joint - Shoe Joint)	
cuft of Shoe	17.36 cuft	Pressure of cement in annulus	
(Casing ID Squared) X (.005454) X (Shoe Joint ft)		Hydrostatic Pressure: 619.84 PSI	
cuft of Conductor	0.00 cuft	Pressure of the fluids inside casing	
(Conductor Width Squared) - (Casing Size OD Squared) X (.005454) X (Conductor Length ft)		Displacement: 321.23 psi	
cuft of Casing	422.02 cuft	Shoe Joint: 31.58 psi	
(Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length)		Total 352.81 psi	
Total Slurry Volume	439.38 cuft	Differential Pressure: 267.02 psi	
(cuft of Shoe) + (cuft of Conductor) + (cuft of Casing)		Collapse PSI: 2020.00 psi	
bbls of Slurry	78.25 bbls	Burst PSI: 3520.00 psi	
(Total Slurry Volume) X (.1781)		Total Water Needed: 136.73 bbls	
Sacks Needed	346 sk		
(Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)			
Mix Water	48.52 bbls		
(Sacks Needed) X (Gallons Per Sack) ÷ 42			

X Casey Lee
 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

Bill Barrett Corp.
Anschutz State 5-62-26-3225BH2

INVOICE #
LOCATION
FOREMAN
Date

80053
Weld
Kirk Kallhoff
3/6/2015

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	1026a															
MIRU	1005a															
CIRCULATE	1050a	0	1116a	10	0			0			0			0		
Drop Plug		10	1118a	10	10			10			10			10		
1116 am		20	1120a	60	20			20			20			20		
		30	1122a	130	30			30			30			30		
		40	1125a	240	40			40			40			40		
M & P		50	1127a	290	50			50			50			50		
Time	Sacks	60			60			60			60			60		
1055 am	346	70			70			70			70			70		
1113 am stop		80			80			80			80			80		
		90			90			90			90			90		
		100			100			100			100			100		
		110			110			110			110			110		
% Excess	10%	120			120			120			120			120		
Mixed bbls	48.5	130			130			130			130			130		
Total Sacks	346	140			140			140			140			140		
bbl Returns	15	150			150			150			150			150		
Water Temp																

Notes:

bumped plug at 1131 am 520 psi

floats held

Casey

X _____
Work Performed

X *Co-man* _____
Title

X *3-6-15* _____
Date

M/D TOTCO 2000 SERIES

