



Bison Oil Well Cementing

Customer: baywater
 Well Name: crig 44-18

Invoice # 12097
 API# 445564
 Foreman: monte
 Date 3/5/2014

County: washington
 State: Colorado
 Sec: 18
 Twp: 4s
 Range: 49w

Consultant: Chuck Jerry Rogers
 Rig Name & Number: excell 3
 Distance To Location: 142.8
 Units On Location: 4028-3102
 Time Requested: 1:00am
 Time Arrived On Location: 12:10am
 Time Left Location:

Plug Job

Well Data	
OD Inches	4.5
String Weight Per ft	16.6
First Plug Sacks	40
First Plug Depth	3535
Second Plug Sacks	40
Second Plug Depth	2562
Third Plug Sacks	50
Third Plug Depth	212
Fourth Plug Sacks	15
Fourth Plug Depth	53
ID	N/A
First Plug Displacement	N/A 50.26 bbl
Second Plug Displacement	N/A 36.9 bbl
Third Plug Displacement	N/A 30 bbl
Fourth Plug Displacement	N/A .75 bbl
bbbls of Spacer Ahead	5 bbls

First Plug Cement Data	
Cement Name:	bfn111
Cement Density (lb/gal) :	15.2
Cement Yield (cuft) :	1.27
Gallons Per Sack:	5.89
Second Plug Cement Data	
Cement Name:	bfn111
Cement Density (lb/gal) :	15.2
Cement Yield (cuft) :	1.27
Gallons Per Sack:	5.89
Third Plug Cement Data	
Cement Name:	bfn111
Cement Density (lb/gal) :	15.2
Cement Yield (cuft) :	1.27
Gallons Per Sack:	5.89
Fourth Plug Cement Data	
Cement Name:	bfn111
Cement Density (lb/gal) :	15.2
Cement Yield (cuft) :	1.27
Gallons Per Sack:	5.89
Displacement Fluid lb/gal:	8.3
Fluid Ahead (bbbls):	15.0
H2O Wash Up (bbbls):	20.0

bbbls of Slurry	
First Plug bbbls of Slurry	9.0475 bbbls
Second Plug bbbls of Slurry	9.0475 bbbls
Third Plug bbbls of Slurry	#VALUE! 13.72 bbbls
Fourth Plug bbbls of Slurry	3.3928 bbbls
5th Plug bbbls of slurry	1.7 bbbls
6th Plug bbbls of slurry	1.7 bbbls

bbbls of Mix Water	
First Plug bbbls Mix Water	5.6095 bbbls
Second Plug bbbls Mix Water	5.6095 bbbls
Third Plug bbbls Mix Water	7.0119 bbbls
Fourth Plug bbbls Mix Water	2.1036 bbbls
5th Plug bbbls mix	1.0 bbbls
6th Plug bbbls mix	1.0 bbbls

[Signature]
 AUTHORIZED REPRESENTATIVE

Customers hereby acknowledge and specifically agrees to the terms and condition on this work order, including, without limitation, the provisions on this work order.

