



Bison Oil Well Cementing

Invoice # 12110
 API# _____
 Foreman: monte
 Date 4/1/2014

Customer: noble
 Well Name: chaplin amarol-309

County: weld
 State: Colorado
 Sec: 5
 Twp: 6n
 Range: 63w

Consultant: chuck
 Rig Name & Number: select 12
 Distance To Location: 33.1
 Units On Location: 4028-3102 4018-3203
 Time Requested: 8:00am
 Time Arrived On Location: 7:70am
 Time Left Location: 11:00 AM

Plug Job

Well Data			
OD Inches	2.875		
String Weight Per ft	6.5		
First Plug Sacks	50		
First Plug Depth	1701		
Second Plug Sacks	210		
Second Plug Depth	700		
Third Plug Sacks			
Third Plug Depth			
Fourth Plug Sacks			
Fourth Plug Depth			
ID	2.441		
First Plug Displacement	9.8455	bbl	
Second Plug Displacement	4.0516	bbl	
Third Plug Displacement	0.0000	bbl	
Fourth Plug Displacement	0.0000	bbl	
bbls of Spacer Ahead	5	bbls	

First Plug Cement Data			
Cement Name:	bf111		
Cement Density (lb/gal) :	15.2		
Cement Yield (cuft) :	1.27		
Gallons Per Sack:	5.89		
Second Plug Cement Data			
Cement Name:	bf111		
Cement Density (lb/gal) :	15.2		
Cement Yield (cuft) :	1.27		
Gallons Per Sack:	5.89		
Third Plug Cement Data			
Cement Name:			
Cement Density (lb/gal) :			
Cement Yield (cuft) :			
Gallons Per Sack:			
Fourth Plug Cement Data			
Cement Name:			
Cement Density (lb/gal) :			
Cement Yield (cuft) :			
Gallons Per Sack:			
Displacement Fluid lb/gal:	0.5		
Fluid Ahead (bbls):	10.0		
H2O Wash Up (bbls):	20.0		

bbls of Slurry	
First Plug bbls of Slurry	11.3094 bbls
Second Plug bbls of Slurry	47.4993 bbls
Third Plug bbls of Slurry	0.0000 bbls
Fourth Plug bbls of Slurry	0.0000 bbls

bbls of Mix Water	
First Plug bbls Mix Wate	7.0119 bbls
Second Plug bbls Mix Wat	29.4500 bbls
Third Plug bbls Mix Wate	0.0000 bbls
Fourth Plug bbls Mix Wat	0.0000 bbls

X

 Authorized 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.

