



# Bison Oil Well Cementing

Customer: noble  
Well Name: Cornish #1

Invoice # 12141  
API#  
Foreman: monte  
Date 9/19/2014

County: weld  
State: Colorado  
Sec: 1  
Twp: 6n  
Range: 63w

Consultant: Eric  
Rig Name & Number: noble  
Distance To Location: 30  
Units On Location: 4032-3201 / 4022-3208  
Time Requested: 8:00am  
Time Arrived On Location: 7:15am  
Time Left Location:

## Plug Job

### Well Data

OD Inches	2.875	
String Weight Per ft	6.5	
First Plug Sacks	75	
First Plug Depth	4792	
Second Plug Sacks	100	
Second Plug Depth	3018	
Third Plug Sacks	489	
Third Plug Depth	609	
Fourth Plug Sacks		
Fourth Plug Depth	0	
ID	2.441	
First Plug Displacement	27.7364	bb1
Second Plug Displacement	17.4684	bb1
Thirst Plug Displacement	3.5249	bb1
Fourth Plug Displacement	0.0000	bb1
bbls of Spacer Ahead	5	bbls

### bbls of Slurry

First Plug bbls of Slurry	15.3611 bbls
Second Plug bbls of Slurry	20.4815 bbls
Third Plug bbls of Slurry	#VALUE! bbls
Fourth Plug bbls of Slurry	0.0000 bbls

### First Plug Cement Data

Cement Name:	g neat
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

### Second Plug Cement Data

Cement Name:	g neat
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

### Third Plug Cement Data

Cement Name:	g neat
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

### Fourth Plug Cement Data

Cement Name:	g neat
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

Displacement Fluid lb/gal:	0.5
Fluid Ahead (bbls):	10.0
H2O Wash Up (bbls):	20.0

### bbls of Mix Water

First Plug bbls Mix Wate	8.9286 bbls
Second Plug bbls Mix Wat	11.9048 bbls
Third Plug bbls Mix Wate	58.2143 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.