



# Bison Oil Well Cementing

Invoice # 80280

API# 05-123-14:

Foreman: AARON

Date 4/21/201

Customer: NOBLE  
Well Name: EHRlich PMO12-01

County: WELD

Consultant: KEVIN

State: Colorado

Rig Name & Number: LEED # 711

Distance To Location: 8 MILLES

Sec: 12

Units On Location: 3101-4029-4037-3214-4033-3206

Twp: 4N

Time Requested: 1PM

Range: 67W

Time Arrived On Location: 1PM

Time Left Location:

## Plug Job

Well Data			
OD Inches	2.375		
String Weight Per ft	4.7		
First Plug Sacks	538		
First Plug Depth	1380		
Second Plug Sacks			
Second Plug Depth			
Third Plug Sacks			
Third Plug Depth			
Fourth Plug Sacks			
Fourth Plug Depth			
ID	1.995		
First Plug Displacement	5.3354	bbl	
Second Plug Displacement	0.0000	bbl	
Thirst Plug Displacement	0.0000	bbl	
Fourth Plug Displacement	0.0000	bbl	
bbls of Spacer Ahead	5	bbls	

First Plug Cement Data			
Cement Name:	G CEMENT		
Cement Density (lb/gal) :	15.8		
Cement Yield (cuft) :	1.15		
Gallons Per Sack:	5.00		
Second Plug Cement Data			
Cement Name:	Neat g		
Cement Density (lb/gal) :	15.8		
Cement Yield (cuft) :	1.15		
Gallons Per Sack:	5.00		
Third Plug Cement Data			
Cement Name:	neat g		
Cement Density (lb/gal) :	15.8		
Cement Yield (cuft) :	1.15		
Gallons Per Sack:	5.00		
Fourth Plug Cement Data			
Cement Name:	Neat g		
Cement Density (lb/gal) :	15.8		
Cement Yield (cuft) :	1.15		
Gallons Per Sack:	5.00		
Displacement Fluid lb/gal:	8.3		
Fluid Ahead (bbls):	15.0		
H2O Wash Up (bbls):	20.0		

bbls of Slurry			
First Plug bbls of Slurry	110.1905	bbls	
Second Plug bbls of Slurry	0.0000	bbls	
Third Plug bbls of Slurry	0.0000	bbls	
Fourth Plug bbls of Slurry	#VALUE!	bbls	

bbls of Mix Water			
First Plug bbls Mix Wate	64.0476	bbls	
Second Plug bbls Mix Wat	0.0000	bbls	
Third Plug bbls Mix Wate	0.0000	bbls	
Fourth Plug bbls Mix Wat	#VALUE!	bbls	



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.

