



Bison Oil Well Cementing

Customer: Noble
Well Name: Pfeiffer 16-26

Invoice # 80156
API#
Foreman: Lee Sharp
Date 3/18/2015

County: Weld
State: Colorado

Sec:
Twp:
Range:

Consultant: Chuck E
Rig Name & Number: TruPoint
Distance To Location: 22
Units On Location: 4027-3106/
Time Requested: ASAP
Time Arrived On Location: pm1:35
Time Left Location: 4:20 PM

Plug Job

Well Data

OD Inches	2.875	
String Weight Per ft	6.5	
First Plug Sacks	100	
First Plug Depth	355	
Second Plug Sacks	0	
Second Plug Depth	0	
Third Plug Sacks	0	
Third Plug Depth	0	
Fourth Plug Sacks	0	
Fourth Plug Depth	0	
ID	2.441	
First Plug Displacement	2.0548	bbl
Second Plug Displacement	0.0000	bbl
Third Plug Displacement	0.0000	bbl
Fourth Plug Displacement	0.0000	bbl
bbls of Spacer Ahead	5	bbls

bbls of Slurry

First Plug bbls of Slurry	22.6187 bbls
Second Plug bbls of Slurry	0.0000 bbls
Third Plug bbls of Slurry	0.0000 bbls
Fourth Plug bbls of Slurry	0.0000 bbls

First Plug Cement Data

Cement Name:	BFN III
Cement Density (lb/gal) :	15.2
Cement Yield (cuft) :	1.27
Gallons Per Sack:	5.89

Second Plug Cement Data

Cement Name:	BFN III
Cement Density (lb/gal) :	13.1
Cement Yield (cuft) :	1.69
Gallons Per Sack:	8.60

Third Plug Cement Data

Cement Name:	BFN III
Cement Density (lb/gal) :	13.1
Cement Yield (cuft) :	1.69
Gallons Per Sack:	8.60

Fourth Plug Cement Data

Cement Name:	BFN III
Cement Density (lb/gal) :	13.1
Cement Yield (cuft) :	1.69
Gallons Per Sack:	8.60

Displacement Fluid lb/gal:	8.3
Fluid Ahead (bbls):	15.0
H2O Wash Up (bbls):	20.0

bbls of Mix Water

First Plug bbls Mix Water	14.0238 bbls
Second Plug bbls Mix Water	0.0000 bbls
Third Plug bbls Mix Water	0.0000 bbls
Fourth Plug bbls Mix Water	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.