



# Bison Oil Well Cementing

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

Customer: noble  
 Well Name: Cornish #1

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 | bbl  |
| Second Plug Displacement | 17.4684 | bbl  |
| Thirst Plug Displacement | 3.5249  | bbl  |
| Fourth Plug Displacement | 0.0000  | bbl  |
| bbbs 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 |



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.