

HALLIBURTON

NOBLE ENERGY INC E-BUSINESS

**Lucci-BC B 01-07
Wattenberg
Weld County , Colorado**

**Recement Service
14-Mar-2013**

Job Site Documents

The Road to Excellence Starts with Safety

| | | | |
|---|---|-------------------------|--------------------------|
| Sold To #: 345242 | Ship To #: 2986650 | Quote #: | Sales Order #: 900287837 |
| Customer: NOBLE ENERGY INC E-BUSINESS | Customer Rep: ., Chris | | |
| Well Name: Lucci-BC B | Well #: 01-07 | API/UWI #: 05-123-14282 | |
| Field: Wattenberg | City (SAP): KERSEY | County/Parish: Weld | State: Colorado |
| Lat: N 40.43 deg. OR N 40 deg. 25 min. 49.008 secs. | Long: W 104.43 deg. OR W -105 deg. 34 min. 10.992 secs. | | |
| Contractor: Workover | Rig/Platform Name/Num: Workover | | |
| Job Purpose: Recement Service | | | |
| Well Type: Development Well | Job Type: Recement Service | | |
| Sales Person: FLING, MATTHEW | Srv Supervisor: MCBRIDE, NATHAN | MBU ID Emp #: 313810 | |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|-----------------------|---------|--------|----------------------|---------|--------|-------------------------|---------|--------|
| BOURGEOIS, KEVIN Paul | 3.0 | 459092 | JEWELL, WILLIAM Uris | 0.0 | 503358 | MCBRIDE, NATHAN Charles | 0.0 | 313810 |
| WILSON, RANDY Wayne | 2.0 | 314399 | | | | | | |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10824253C | 40 mile | 10977079C | 40 mile | 11562544C | 40 mile | 12010170 | 40 mile |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|-------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| | | | | | | | | |
| TOTAL | | | | | | | | |

Total is the sum of each column separately

Job

Job Times

| Formation Name | Top | Bottom | Called Out | Date | Time | Time Zone |
|------------------------|---------|-------------------|---------------|-----------------|-------|-----------|
| Formation Depth (MD) | | | On Location | 14 - Mar - 2013 | 04:00 | MST |
| Form Type | | BHST | Job Started | 14 - Mar - 2013 | 08:00 | MST |
| Job depth MD | 550. ft | Job Depth TVD | Job Completed | 14 - Mar - 2013 | 09:14 | MST |
| Water Depth | | Wk Ht Above Floor | Departed Loc | 14 - Mar - 2013 | 09:58 | MST |
| Perforation Depth (MD) | From | To | | 14 - Mar - 2013 | 11:00 | MST |

Well Data

| Description | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|--------------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| 12." Open Hole | | | | 12. | | | | 274. | 550. | | |
| Surface Casing | Used | | 8.625 | 8.097 | 24. | | J-55 | | 274. | | 274. |
| 1 1/4" | Unknown | | 1.25 | | 4.7 | | K-55 | | 4800. | | |
| 3 1/2" Production Casing | Unknown | | 3.5 | 3.068 | 7.7 | | | | 4800. | | 4800. |

Tools and Accessories

| Type | Size | Qty | Make | Depth | Type | Size | Qty | Make | Depth | Type | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|------|-----|------|
| Guide Shoe | | | | | Packer | | | | | Top Plug | | | |
| Float Shoe | | | | | Bridge Plug | | | | | Bottom Plug | | | |
| Float Collar | | | | | Retainer | | | | | SSR plug set | | | |
| Insert Float | | | | | | | | | | Plug Container | | | |
| Stage Tool | | | | | | | | | | Centralizers | | | |

Miscellaneous Materials

| | | | | | | | | | | | | | |
|---------------|--|------|--|------------|--|------|--|-----------|--|------|--|------|---|
| Gelling Agt | | Conc | | Surfactant | | Conc | | Acid Type | | Qty | | Conc | % |
| Treatment Fld | | Conc | | Inhibitor | | Conc | | Sand Type | | Size | | Qty | |

Fluid Data

| Stage/Plug # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft3/sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|--------------|------------|------------|-----|---------|------------------------|--------------|------------------|--------------|------------------------|
| | | | | | | | | | |

HALLIBURTON

Cementing Job Summary

| | | | | | | | | | |
|--|--------------|-----------------------------|--------|-----------------------------------|------|---------------------|-----|-----------|-----|
| 1 | 15.8# Cement | HALCEM (TM) SYSTEM (452986) | 300.0 | sacks | 15.8 | 1.15 | 5.0 | | 5.0 |
| | 5 Gal | FRESH WATER | | | | | | | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | | Shut In: Instant | | Lost Returns | | Cement Slurry | | Pad | |
| Top Of Cement | | 5 Min | | Cement Returns | | Actual Displacement | | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | | Load and Breakdown | | Total Job | |
| Rates | | | | | | | | | |
| Circulating | | Mixing | | Displacement | | Avg. Job | | | |
| Cement Left In Pipe | Amount | 0 ft | Reason | Shoe Joint | | | | | |
| Frac Ring # 1 @ | ID | Frac ring # 2 @ | ID | Frac Ring # 3 @ | ID | Frac Ring # 4 @ | ID | | |
| The Information Stated Herein Is Correct | | | | Customer Representative Signature | | | | | |