

# HALLIBURTON

## Cementing Job Summary

The Road to Excellence Starts with Safety

|  |                                    |                         |                        |
|--|------------------------------------|-------------------------|------------------------|
| Sold To #: 300466                        | Ship To #: 2872928                 | Quote #:                | Sales Order #: 8404811 |
| Customer: ANADARKO PETROLEUM CORP - EBUS | Customer Rep: JAKE                 |                         |                        |
| Well Name: Cook                          | Well #: 2-9                        | API/UWI #: 05-123-32587 |                        |
| Field: WATTENBURG                        | City (SAP): HUDSON                 | County/Parish: Weld     | State: Colorado        |
| Job Purpose: Plug Service - Temporary    |                                    |                         |                        |
| Well Type: Development Well              | Job Type: Plug Service - Temporary |                         |                        |
| Sales Person: FLING, MATTHEW             | Srvc Supervisor: KELEHER, JASON    | MBU ID Emp #: 437348    |                        |

### Job Personnel

| HES Emp Name             | Exp Hrs | Emp #  | HES Emp Name     | Exp Hrs | Emp #  | HES Emp Name    | Exp Hrs | Emp #  |
|--------------------------|---------|--------|------------------|---------|--------|-----------------|---------|--------|
| FANTASIA, JOSEPH Brandon | 4       | 485445 | KELEHER, JASON E | 4       | 437348 | KENNEDY, HERRON | 4       | 498356 |
| SNYDER, JONATHAN Leroy   | 4       | 435616 |                  |         |        |                 |         |        |

### Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 11410470C  | 15 mile        | 11518548   | 15 mile        | 53301      | 15 mile        |            |                |

### Job Hours

| Date    | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|---------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| 8-17-11 | 4                 | 2               |      |                   |                 |      |                   |                 |

TOTAL Total is the sum of each column separately

### Job

| Formation Name | Formation Depth (MD) Top | Bottom | Form Type | Job depth MD | Job Depth TVD | Water Depth | Perforation Depth (MD) From | To | Job Times     | Date            | Time  | Time Zone |
|----------------|--------------------------|--------|-----------|--------------|---------------|-------------|-----------------------------|----|---------------|-----------------|-------|-----------|
|                |                          |        | BHST      | 4047. ft     | 4047. ft      |             |                             |    | Called Out    | 17 - Aug - 2011 | 10:00 | MST       |
|                |                          |        |           |              |               |             |                             |    | On Location   | 17 - Aug - 2011 | 12:00 | MST       |
|                |                          |        |           |              |               |             |                             |    | Job Started   | 17 - Aug - 2011 | 13:16 | MST       |
|                |                          |        |           |              |               |             |                             |    | Job Completed | 17 - Aug - 2011 | 15:12 | MST       |
|                |                          |        |           |              |               |             |                             |    | Departed Loc  | 17 - Aug - 2011 | 16:00 | 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 |
|----------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Casing         | Unknown    |                   | 4.5     | 4.    | 11.6          |        | N-80  |           | 4047.        |            |               |
| Surface Casing | Unknown    |                   | 8.625   | 8.097 | 24.           |        |       |           | 206.         |            |               |

### 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

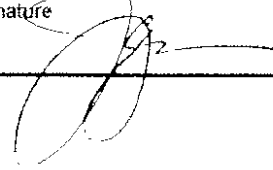
| Stage/Plug #: 1 | Fluid # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft3/sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|-----------------|---------|------------|------------|-----|---------|------------------------|--------------|------------------|--------------|------------------------|
|-----------------|---------|------------|------------|-----|---------|------------------------|--------------|------------------|--------------|------------------------|

Stage/Plug #: 1

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| Stage/Plug #: 1                          |            |   |        |                                   |                        |                           |                  |              |                        |
|--|------------|---|--------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|
| Fluid #                                  | Stage Type | Fluid Name  | Qty    | Qty uom                           | Mixing Density lbm/gal | Yield ft <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1  | Neat 15.8# | CMT - PREMIUM - CLASS G, 94 LB SK (100003685)           | 25.0   | sacks                             | 15.8                   | 1.15                      | 5.0              |              | 5.0                    |
|  | 94 lbm     | CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685) |        |                                   |                        |                           |                  |              |                        |
|  | 0.2 %      | CFR-3, W/O DEFOAMER, 50 LB SK (100003653)               |        |                                   |                        |                           |                  |              |                        |
|  | 0.3 %      | HALAD(R)-344, 50 LB (100003670)                         |        |                                   |                        |                           |                  |              |                        |
|  | 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 |                        |                           |                  |              |                        |



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|  |  |                    |                                    |   |  |                         |  |
|--|--|--------------------|------------------------------------|---|--|-------------------------|--|
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| Customer: ANADARKO PETROLEUM CORP - EBUS |  |                    |                                    | Customer Rep: J, JAKE                     |  |                         |  |
| Well Name: Cook                          |  |                    | Well #: 2-9                        |   |  | API/UWI #: 05-123-32587 |  |
| Field: WATTENBURG                        |  | City (SAP): HUDSON |                                    | County/Parish: Weld                       |  | State: Colorado         |  |
| Legal Description:                       |  |                    |                                    |   |  |                         |  |
| Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs. |  |                    |                                    | Long: E 0 deg. OR E 0 deg. 0 min. 0 secs. |  |                         |  |
| Contractor:                              |  |                    | Rig/Platform Name/Num:             |   |  |                         |  |
| Job Purpose: Plug Service - Temporary    |  |                    |                                    |   |  | Ticket Amount:          |  |
| Well Type: Development Well              |  |                    | Job Type: Plug Service - Temporary |   |  |                         |  |
| Sales Person: FLING, MATTHEW             |  |                    | Srvc Supervisor: KELEHER, JASON    |   |  | MBU ID Emp #: 437348    |  |

| Activity Description                   | Date/Time           | Cht<br># | Rate<br>bbl/<br>min | Volume<br>bbl |       | Pressure<br>psig |        | Comments   |
|--|---------------------|----------|---------------------|---------------|-------|------------------|--------|--|
|  |                     |          |                     | Stage         | Total | Tubing           | Casing |  |
| Arrive at Location from Service Center | 08/17/2011<br>12:00 |          |                     |               |       |                  |        |  |
| Assessment Of Location Safety Meeting  | 08/17/2011<br>12:10 |          |                     |               |       |                  |        |  |
| Test Lines                             | 08/17/2011<br>13:16 |          |                     |               |       |                  |        | PRESSURE TEST TO 4000 PSI  |
| Pump Cement                            | 08/17/2011<br>13:27 |          | 2                   | 5             |       |                  | 15.0   | 25 SKS G NEAT WITH 344 AND CFR 3 ADDED MIXED AT 15.8 PPG WITH SUPPLIED WATER |
| Pump Displacement                      | 08/17/2011<br>13:31 |          | 2                   | 13            |       |                  | .0     | SUPPLIED WATER   |
| Shutdown                               | 08/17/2011<br>13:38 |          |                     |               |       |                  |        |  |
| Other                                  | 08/17/2011<br>13:39 |          |                     |               |       |                  |        | RIG TO PULL TUBING OUT   |
| Pressure Up Well                       | 08/17/2011<br>15:03 |          |                     |               |       |                  | 3000.0 | PRESSURE UP WELL AND SHUT IN   |
| Shut In Well                           | 08/17/2011<br>15:04 |          |                     |               |       |                  |        |  |
| End Job                                | 08/17/2011<br>15:21 |          |                     |               |       |                  |        |  |