

Cementing Job Summary

The Road to Excellence Starts with Safety

| | | | | | | | |
|--------------------------------------|--|--------------------------------|---|------------------------------------|-----------------------------------|-------------------------------|--|
| Sold To #: 304535 | | Ship To #: 2447483 | | Quote #: | | Sales Order #: 9879665 | |
| Customer: PDC ENERGY EBUS | | | | Customer Rep: Sailors, Chad | | | |
| Well Name: Schmerge | | | Well #: 33-4 | | API/UWI #: 05-123-23146-00 | | |
| Field: WATTENBERG | | City (SAP): GARDEN CITY | | County/Parish: Weld | | State: Colorado | |
| Contractor: Basic | | | Rig/Platform Name/Num: 1548 | | | | |
| Job Purpose: Recement Service | | | | | | | |
| Well Type: Development Well | | | Job Type: Recement Service | | | | |
| Sales Person: AARON, WESLEY | | | Srvc Supervisor: VIGIL, NICHOLAS | | | MBU ID Emp #: 443481 | |

Job Personnel

| Job Personnel | | | | | | | | |
|--------------------------|---------|--------|---------------------------|---------|--------|--------------------------|---------|--------|
| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
| HOLMES, ANDREW Malcom | 7 | 520802 | LANGE, TIMOTHY Paul | 7 | 520811 | MILLER, GEOFFREY Alan | 7 | 460232 |
| ROMERO, JOSEPH M | 7 | 512137 | VIGIL, NICHOLAS Joseph | 7 | 443481 | | | |

Equipment

| Equipment | | | | | | | |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
| 10829456 | 33 mile | 10857080C | 33 mile | 10866497C | 33 mile | 10867419C | 33 mile |
| 11410470C | 33 mile | 11526488 | 33 mile | 11562546C | 33 mile | 11566182 | 33 mile |

Job Hours

| Job Hours | | | | | | | | |
|------------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
| 10/10/2012 | 7 | 5 | | | | | | |
| TOTAL | | | | | | | | |

Total is the sum of each column separately

Job

| Job | | | | | Job Times | | | |
|------------------------|----------|--|-------------------|----------|---------------|-----------------|-------|-----------|
| Formation Name | | | | | | Date | Time | Time Zone |
| Formation Depth (MD) | Top | | Bottom | | Called Out | 10 - Oct - 2012 | 03:00 | MST |
| Form Type | | | BHST | | On Location | 10 - Oct - 2012 | 05:45 | MST |
| Job depth MD | 6250. ft | | Job Depth TVD | 6250. ft | Job Started | 10 - Oct - 2012 | 07:02 | MST |
| Water Depth | | | Wk Ht Above Floor | | Job Completed | 10 - Oct - 2012 | 00:00 | MST |
| Perforation Depth (MD) | From | | To | | Departed Loc | 10 - Oct - 2012 | 00:00 | MST |

Well Data

| 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 |
| Production Casing | Unknown | | 4.5 | 4. | 11.6 | | | . | 6250. | . | 6250. |
| Tubing | Unknown | | 1.25 | .824 | 2.4 | | | . | 3100. | . | 3100. |

Tools and Accessories

| 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

| 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 Data | | | | | | | |
|-----------------|------------|------------|-----|---------|------------------------|--------------|------------------|--------------|------------------------|
| 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 | | | | | | | | | |
|--|----------------------|---------------------------------|--------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|
| Fluid # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft ³ /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1 | ClayWeb Water Spacer | | | bbl | 8.33 | .0 | .0 | 2.0 | |
| 2 | MUD FLUSH III | MUD FLUSH III - SBM (528788) | | bbl | 8.4 | .0 | .0 | 2.0 | |
| 3 | ClayWeb Water Spacer | | | bbl | 8.33 | .0 | .0 | 2.0 | |
| 59.525 gal/Mgal | | CLA-WEB - TOTE (101985045) | | | | | | | |
| 4 | Extendacem 11.5# | EXTENDACEM (TM) SYSTEM (452981) | 480.0 | sacks | 11.5 | 2.31 | 12.99 | | 12.99 |
| 12.99 Gal | | FRESH WATER | | | | | | | |
| 5 | Extendacem 11.8# | EXTENDACEM (TM) SYSTEM (452981) | 435.0 | sacks | 11.8 | 2.11 | 11.5 | | 11.5 |
| 11.5 Gal | | FRESH WATER | | | | | | | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | | Shut In: Instant | | Lost Returns | | Cement Slurry | | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 30 BBL | Actual Displacement | | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | | Load and Breakdown | | Total Job | |
| Rates | | | | | | | | | |
| Circulating | | Mixing | | 1.5 | Displacement | | 1.5 | Avg. Job | 1.5 |
| 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 | | | | | |

The Road to Excellence Starts with Safety

| | | | | | | | |
|--|--|-------------------------|----------------------------------|---|----------------------------|------------------------|--|
| Sold To #: 304535 | | Ship To #: 2447483 | | Quote #: | | Sales Order #: 9879665 | |
| Customer: PDC ENERGY EBUS | | | | Customer Rep: Sailors, Chad | | | |
| Well Name: Schmerge | | | Well #: 33-4 | | API/UWI #: 05-123-23146-00 | | |
| Field: WATTENBERG | | City (SAP): GARDEN CITY | | 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: Basic | | | Rig/Platform Name/Num: 1548 | | | | |
| Job Purpose: Recement Service | | | | | Ticket Amount: | | |
| Well Type: Development Well | | | Job Type: Recement Service | | | | |
| Sales Person: AARON, WESLEY | | | Srvc Supervisor: VIGIL, NICHOLAS | | | MBU ID Emp #: 443481 | |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|----------------------------|------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Arrive At Loc | 10/10/2012 05:45 | | | | | | | HAZARD HUNT, WATER TEST, WELL SITE ASSESMENT, PRE RIG UP SAFETY MEETING |
| Start Job | 10/10/2012 07:02 | | | | | | | PRE JOB SAFETY MEETING |
| Test Lines | 10/10/2012 07:03 | | | | | | | |
| Pump Spacer 1 | 10/10/2012 07:04 | | 1.3 | 10 | | | 1685.0 | WATER WITH CLAWEB III |
| Pump Spacer 2 | 10/10/2012 07:14 | | 1.5 | 12 | | | 2042.0 | MUD FLUSH |
| Pump Spacer 1 | 10/10/2012 07:23 | | 1.5 | 10 | | | 2050.0 | WATER WITH CLAWEB III |
| Pump 1st Stage Lead Slurry | 10/10/2012 07:30 | | 1.5 | 97 | | | 2090.0 | 11.5 PPG EXTENDACEM (240 SKS) |
| Pump Displacement | 10/10/2012 08:41 | | 1.4 | 1.5 | | | 2360.0 | RIG WATER |
| Pause | 10/10/2012 08:45 | | | | | | | WAITED FOR RIG TO PULL 50 JOINTS |
| Resume | 10/10/2012 09:08 | | | | | | | |
| Pump 2nd Stage Lead Slurry | 10/10/2012 09:14 | | 1.7 | 98 | | | 2015.0 | 11.5 PPG EXTENDACEM (240 SKS) |
| Pause | 10/10/2012 10:20 | | | | | | | WAITED FOR RIG TO PULL 53 JOINTS |
| Pump Cement | 10/10/2012 10:50 | | 1.9 | 105 | | | 2330.0 | 11.8 PPG EXTENDACEM (290 SKS) |
| Resume | 10/10/2012 10:50 | | | | | | | |
| Pump Displacement | 10/10/2012 11:48 | | 1.3 | 1 | | | 2100.0 | RIG WATER |

Sold To #: 304535

Ship To #: 2447483

Quote #:

Sales Order #:

9879665

| Activity Description | Date/Time | Cht # | Rate bbl/ min | Volume bbl | | Pressure psig | | Comments |
|----------------------|---------------------|----------|---------------------|---------------|-------|------------------|--------|----------|
| | | | | Stage | Total | Tubing | Casing | |
| End Job | 10/10/2012 11:52 | | | | | | | |