

The Road to Excellence Starts with Safety

| | | | |
|---|-----------------------------------|--|------------------------|
| Sold To #: 304535 | Ship To #: 2904039 | Quote #: | Sales Order #: 9224635 |
| Customer: PDC ENERGY EBUS | | Customer Rep: SAILORS, CHAD | |
| Well Name: Skurich/SLW Ranch | Well #: 7A | API/UWI #: 05-123-20390 | |
| Field: WATTENBERG | City (SAP): KERSEY | County/Parish: Weld | State: Colorado |
| Lat: N 40.41 deg. OR N 40 deg. 24 min. 35.208 secs. | | Long: W 104.475 deg. OR W -105 deg. 31 min. 30 secs. | |
| Job Purpose: Recement Service | | | |
| Well Type: Development Well | | Job Type: Recement Service | |
| Sales Person: FLING, MATTHEW | Srvc Supervisor: NIELSON, BRANDON | MBU ID Emp #: 479703 | |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|-------------------|---------|--------|--------------------|---------|--------|--------------------|---------|--------|
| BRICKER, DANIEL Z | 5.0 | 475710 | BURGESS, CODY Alan | 5.0 | 511446 | NIELSON, BRANDON K | 5.0 | 479703 |
| STOEGER, KEITH A | 5.0 | 486734 | VIGIL, NICHOLAS | 5.0 | 443481 | | | |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10724567C | 43 mile | 10822531C | 43 mile | 10951212 | 43 mile | 10988836C | 43 mile |
| 11398319 | 43 mile | 11398490 | 43 mile | 11566182 | 43 mile | 11633846C | 43 mile |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|---------|-------------------|-----------------|--|-------------------|-----------------|------|-------------------|-----------------|
| 1/23/12 | 5 | 4 | | | | | | |
| TOTAL | | | Total is the sum of each column separately | | | | | |

Job

Job Times

| Formation Name | Formation Depth (MD) | Top | Bottom | Called Out | Date | Time | Time Zone |
|------------------------|----------------------|-----|-------------------|---------------|-----------------|-------|-----------|
| Form Type | | | BHST | On Location | 23 - Jan - 2012 | 08:30 | CST |
| Job depth MD | 3283. ft | | Job Depth TVD | Job Started | 23 - Jan - 2012 | 09:20 | CST |
| Water Depth | | | Wk Ht Above Floor | Job Completed | 23 - Jan - 2012 | 12:15 | CST |
| Perforation Depth (MD) | From | | To | Departed Loc | 23 - Jan - 2012 | 13:30 | CST |

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 |
|-------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Open Hole | | | | 12. | | | | 449. | 3400. | | |
| Production Casing | Used | | 4.5 | 4.052 | 10.5 | | J-55 | . | 8450. | | |
| Surface Casing | Used | | 8.625 | 8.097 | 24. | | J-55 | . | 449. | | |
| TUBING | Unknown | | 1.25 | .671 | 3.02 | | | . | 3800. | | |

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 ft ³ /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|-----------------|---------|------------|------------|-----|---------|------------------------|---------------------------|------------------|--------------|------------------------|
|-----------------|---------|------------|------------|-----|---------|------------------------|---------------------------|------------------|--------------|------------------------|

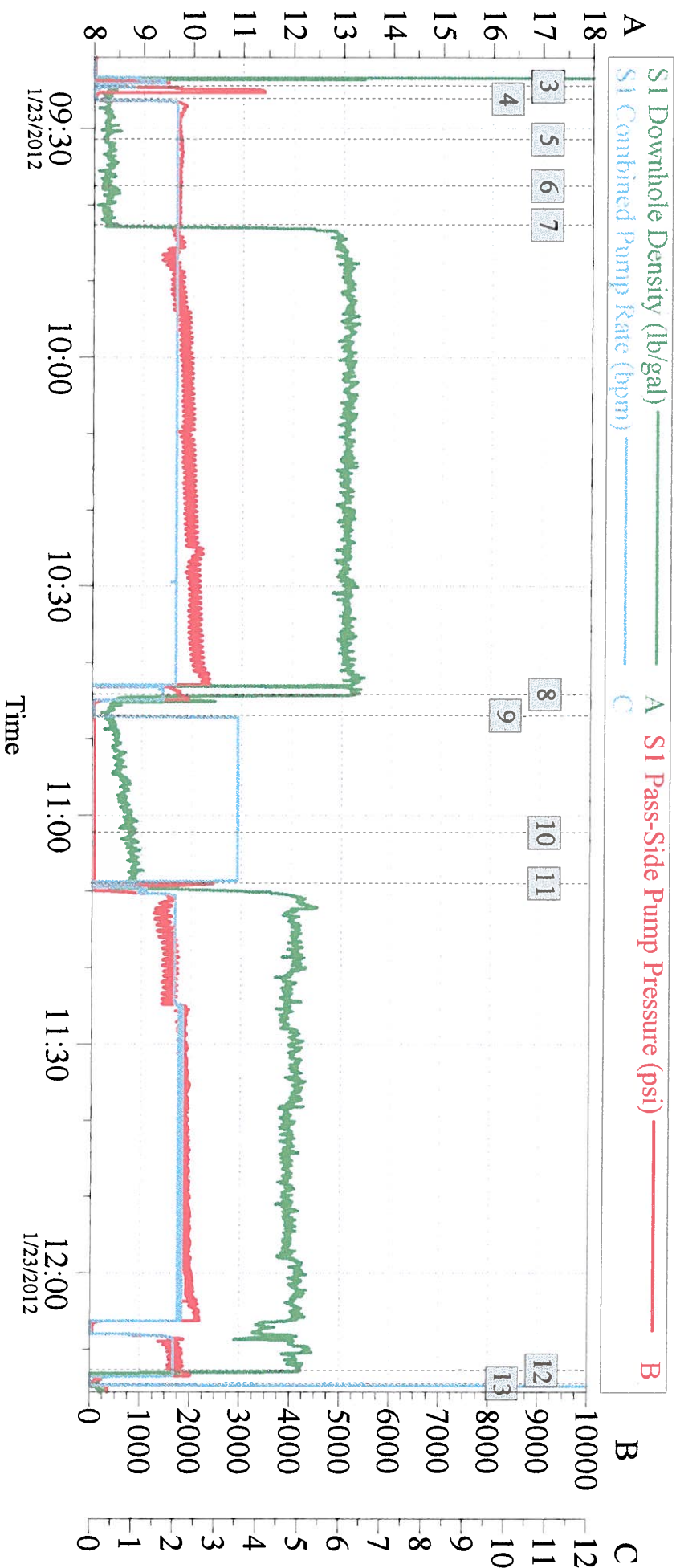
| | | | | | | | | | |
|--|----------------------|------------------------------|--------|-----------------------------------|--------|---------------------|-------|-----------|-------|
| 1 | ClayWeb Water Spacer | | 10.00 | bbl | 8.33 | .0 | .0 | 2.0 | |
| 2 | MUD FLUSH III | MUD FLUSH III - SBM (528788) | 12.00 | bbl | 8.4 | .0 | .0 | 2.0 | |
| 3 | ClayWeb Water Spacer | | 10.00 | bbl | 8.33 | .0 | .0 | 2.0 | |
| 59.525 gal/Mgal | | CLA-WEB - TOTE (101985045) | | | | | | | |
| 4 | Varicem 13# | VARICEM (TM) CEMENT (452009) | 400.0 | sacks | 13. | 1.71 | 8.84 | 2.0 | 8.84 |
| 8.84 Gal | | FRESH WATER | | | | | | | |
| 5 | Varicem 12# | VARICEM (TM) CEMENT (452009) | 338.0 | sacks | 12. | 2.18 | 12.34 | 2.0 | 12.34 |
| 12.34 Gal | | FRESH WATER | | | | | | | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | | Shut In: Instant | | Lost Returns | | Cement Slurry | | Pad | |
| Top Of Cement | | 5 Min | | Cement Returns | 8.5BBL | 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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| Field: WATTENBERG | | City (SAP): KERSEY | | County/Parish: Weld | | State: Colorado | |
| Legal Description: | | | | | | | |
| Lat: N 40.41 deg. OR N 40 deg. 24 min. 35.208 secs. | | | | Long: W 104.475 deg. OR W -105 deg. 31 min. 30 secs. | | | |
| Contractor: | | | Rig/Platform Name/Num: | | | | |
| Job Purpose: Recement Service | | | | | Ticket Amount: | | |
| Well Type: Development Well | | | Job Type: Recement Service | | | | |
| Sales Person: FLING, MATTHEW | | | Srv Supervisor: NIELSON, BRANDON | | MBU ID Emp #: 479703 | | |

| Activity Description | Date/Time | Cht # | Rate bbl/ min | Volume bbl | | Pressure psig | | Comments |
|----------------------|---------------------|----------|---------------------|---------------|-------|------------------|------------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Test Lines | 01/23/2012 09:24 | | | | | | | PRESSURE TEST TO 3500 PSI NO LEAKS |
| Pump Spacer 1 | 01/23/2012 09:26 | | 2 | 10 | | | 1761. 0 | FRESH WATER MIXED WITH CLAYWEB |
| Pump Spacer 2 | 01/23/2012 09:31 | | 2 | 12 | | | 1737. 0 | FRESH WATER MIXED WITH MUD FLUSH |
| Pump Spacer 1 | 01/23/2012 09:37 | | 2 | 10 | | | 1692. 0 | FRESH WATER MIXED WITH CLAYWEB |
| Pump Cement | 01/23/2012 09:42 | | 2 | 121 | | | 2035. 0 | 400 SKS VARICEM MIXED @ 13 PPG WITH FRESH WATER |
| Pump Displacement | 01/23/2012 10:44 | | 2 | 1.5 | | | 2000. 0 | FRESH WATER |
| Pause | 01/23/2012 10:46 | | | | | | | SHUT DOWN TO PULL 29 JOINTS OF TUBING |
| Resume | 01/23/2012 11:02 | | | | | | | |
| Pump Cement | 01/23/2012 11:08 | | 2 | 127 | | | 1826. 0 | 338 SKS VARICEM MIXED @ 12 PPG WITH FRESH WATER. CEMENT RETURNED TO SURFACE @ 121 BB AWAY. WITH DISPLACEMENT WE GOT 8.5 BBL CMT BACK TO THE PITS. |
| Pump Displacement | 01/23/2012 12:12 | | 2 | 1.5 | | | 1873. 0 | FRESH WATER |
| Shutdown | 01/23/2012 12:14 | | | | | | | SENT 364 SKS BACK TO USE ON A NOTHER JOB AT A LATER DATE |
| End Job | 01/23/2012 12:14 | | | | | | | |

PDC SKURICH SLW RANCH 7A RECEMENT



Global Event Log

| Intersection | SPPP | Intersection | SPPP | Intersection | SPPP |
|-----------------|----------------|---------------------|----------------|----------------------|----------------|
| 1 Starting Job | 08:47:50 24.00 | 2 Start Job | 09:20:03 75.86 | 3 Test Lines | 09:24:24 105.0 |
| 4 Pump Spacer 1 | 09:26:08 36.00 | 5 Pump Spacer 2 | 09:31:25 1714 | 6 Pump Spacer 1 | 09:37:32 1730 |
| 7 Pump Cement | 09:42:38 1685 | 8 Pump Displacement | 10:44:08 1751 | 9 Pause | 10:46:55 26.00 |
| 10 Resume | 11:02:16 51.00 | 11 Pump Cement | 11:08:53 31.00 | 12 Pump Displacement | 12:12:44 1741 |
| 13 End Job | 12:14:26 44.00 | 14 Ending Job | 12:16:22 330.0 | | |

Customer: PDC
 Well Description: RECEMENT
 SERVICE SUPERVISOR BRANDON NIELSON

Job Date: 23-Jan-2012
 UWI: 05-123-20390-00
 OPERATOR NICK VIGIL

Sales Order #: 9224635