
WEXPRO COMPANY E-BILL

**Jacks Draw 19
POWDER WASH
Moffat County , Colorado**

**Cement Production Casing
10-Oct-2011**

Post Job Report

The Road to Excellence Starts with Safety

| | | | |
|---|---------------------------|---|--------------------------------|
| Sold To #: 343491 | Ship To #: 2880480 | Quote #: | Sales Order #: 8510528 |
| Customer: WEXPRO COMPANY E-BILL | | Customer Rep: SST 88, Wexpro | |
| Well Name: Jacks Draw | | Well #: 19 | API/UWI #: 05-081-07616 |
| Field: POWDER WASH | City (SAP): CRAIG | County/Parish: Moffat | State: Colorado |
| Legal Description: Section 10 Township 11N Range 92W | | | |
| Contractor: Wexpro | | Rig/Platform Name/Num: SST 88 | |
| Job Purpose: Cement Production Casing | | | |
| Well Type: Development Well | | Job Type: Cement Production Casing | |
| Sales Person: VOLNER, THOMAS | | Srvc Supervisor: HYDE, TYSON | MBU ID Emp #: 461616 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|--------------------------|---------|--------|-------------------|---------|--------|-----------------|---------|--------|
| BEHM, BRANDON Adam | 8 | 494468 | CORDOBA, BENIGNO | 4 | 440102 | HYDE, TYSON Joe | 11 | 461616 |
| NESTOR, DUSTIN Howard | 8 | 478743 | YOKUM, RICKY Lynn | 11 | 473832 | | | |

Equipment

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10025113C | 100 mile | 10238645C | 100 mile | 10295091C | 100 mile | 10322492C | 100 mile |
| 10998510 | 100 mile | 11041166 | 100 mile | 11138978 | 100 mile | 11288862 | 100 mile |
| 11501577 | 100 mile | | | | | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------------|---|-----------------|------------|-------------------|-----------------|------|-------------------|-----------------|
| 10/09/2011 | 4.5 | 3 | 10/10/2011 | 6.5 | 2 | | | |
| TOTAL | <i>Total is the sum of each column separately</i> | | | | | | | |

Job

Job Times

| Formation Name | Job | | | Date | Time | Time Zone |
|------------------------|-------------------|--------|--|---------------|-----------------|-----------|
| Formation Depth (MD) | Top | Bottom | | Called Out | 09 - Oct - 2011 | 15:00 MST |
| Form Type | BHST | | | On Location | 09 - Oct - 2011 | 19:30 MST |
| Job depth MD | 9370. ft | | | Job Started | 10 - Oct - 2011 | 03:16 MST |
| Water Depth | Wk Ht Above Floor | | | Job Completed | 10 - Oct - 2011 | 05:37 MST |
| Perforation Depth (MD) | From | To | | Departed Loc | 10 - Oct - 2011 | 06:45 MST |

Well Data

| Description | 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 Openhole | | | 7.875 | | | | 538. | 9370. | | |
| Production Casing | | 4.5 | 3.92 | 13.5 | | P-110 | . | 9370. | | |
| Surface Casing | | 9.625 | 8.921 | 36. | | J-55 | . | 538. | | |

Sales/Rental/3rd Party (HES)

| Description | Qty | Qty uom | Depth | Supplier |
|--|-----|---------|-------|----------|
| MICRO MATRIX RETARDER | 2 | GAL | | |
| PLUG,CMTG,TOP,4 1/2,HWE,3.65 MIN/4.14 MA | 1 | EA | | |
| PLUG,CMTG,BOT,4 1/2,HWE,3.65 MIN/4.14 MA | 1 | EA | | |

Tools and Accessories

| Type | Size | Qty | Make | Depth | Type | Size | Qty | Make | Depth | Type | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|------|-----|------|
| Guide Shoe | | | | | Packer | | | | | Top Plug | 4.5 | 1 | HES |
| Float Shoe | | | | | Bridge Plug | | | | | Bottom Plug | 4.5 | 1 | HES |
| Float Collar | | | | | Retainer | | | | | SSR plug set | | | |
| Insert Float | | | | | | | | | | Plug Container | 4.5 | 1 | HES |
| Stage Tool | | | | | | | | | | Centralizers | 4.5 | 40 | COMP |

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 |
| 1 | MUD FLUSH III | MUD FLUSH III - SBM (528788) | 20.00 | bbl | 8.4 | .0 | | 7 | |
| | 42 gal/bbl | FRESH WATER | | | | | | | |
| | 0.25 gal/bbl | D-AIR 3000L, 5 GAL PAIL (101007444) | | | | | | | |
| 2 | ExtendaCem RS1 | EXTENDACEM (TM) SYSTEM (452981) | 575.0 | sacks | 11.50 | 2.63 | 15.47 | 7 | 15.47 |
| | 0.8 % | HR-7 (100005055) | | | | | | | |
| | 0.3 % | D-AIR 3000 (101007446) | | | | | | | |
| | 0.125 lbm | POLY-E-FLAKE (101216940) | | | | | | | |
| | 0.25 lbm | KWIK SEAL, SK (100064010) | | | | | | | |
| | 15.46 Gal | FRESH WATER | | | | | | | |
| 3 | EconoCem RS13 | ECONOCEM (TM) SYSTEM (452992) | 1065.0 | sacks | 14.20 | 1.49 | 6.51 | 7 | 6.51 |
| | 0.18 % | HR-5, 50 LB SK (100005050) | | | | | | | |
| | 3 lbm | SILICALITE - COMPACTED, 50 LB SK (100012223) | | | | | | | |
| | 0.125 lbm | POLY-E-FLAKE (101216940) | | | | | | | |
| | 0.25 lbm | KWIK SEAL, SK (100064010) | | | | | | | |
| | 5.5 Gal | FRESH WATER | | | | | | | |
| 4 | ClaySurf EZ | | 140.00 | bbl | 8.4 | .0 | .0 | 7 | |
| | 0.1 gal/bbl | CLAYSURF-EZ, TOTETANK (101532967) | | | | | | | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | 139.5 | Shut In: Instant | 0 | Lost Returns | 0 | Cement Slurry | 552 | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 150 | Actual Displacement | 140 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 20 | Load and Breakdown | | Total Job | 712 |
| Rates | | | | | | | | | |
| Circulating | 7 | Mixing | 7 | Displacement | 7 | Avg. Job | 7 | | |
| Cement Left In Pipe | Amount | 13.42 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 | | | | | |

PLANNED PUMP SCHEDULE

Wexpro Jacks Draw 19 Production Casing

1. Pressure Test HES Lines

2. Pump Spacer

| | Name | Density (lb/gal) | Volume (bbls) | Rate (bpm) | Surfactants |
|-----|---------------|------------------|---------------|------------|-------------|
| 2a. | Mud Flush III | 8.4 | 20 | 2 | |
| | | | | | |
| | | | | | |

3. Pump Cement

| | Name | Density (lb/gal) | Slurry Volume (bbls) | Rate (bpm) | Mix Water Required (bbls) |
|-----|---------------------|------------------|----------------------|------------|---------------------------|
| 3a. | ExtendaCem RS1-Lead | 11.5 | 269.5 | 6 | 211.8 |
| 3b. | EconoCem RS13-Tail | 14.2 | 283.1 | 6 | 165.1 |
| | | | | | |
| | | | | | |

4. Shutdown, Wash Pumps and Lines, Drop Top Plug

5. Displacement

| | Name | Density (lb/gal) | Volume (bbls) | Rate (bpm) |
|-----|---------------|------------------|---------------|------------|
| 5a. | Clayfix Water | 8.4 | 120.0 | 6 |
| 5b. | Clayfix Water | 8.4 | 20.0 | 2 |
| | | | | |
| | | | | |

The Road to Excellence Starts with Safety

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|---|---------------------------|--|--------------------------------|
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| Customer: WEXPRO COMPANY E-BILL | | Customer Rep: SST 88, Wexpro | |
| Well Name: Jacks Draw | | Well #: 19 | API/UWI #: 05-081-07616 |
| Field: POWDER WASH | City (SAP): CRAIG | County/Parish: Moffat | State: Colorado |
| Legal Description: Section 10 Township 11N Range 92W | | | |
| 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: Wexpro | | Rig/Platform Name/Num: SST 88 | |
| Job Purpose: Cement Production Casing | | | Ticket Amount: |
| Well Type: Development Well | | Job Type: Cement Production Casing | |
| Sales Person: VOLNER, THOMAS | | Srvc Supervisor: HYDE, TYSON | MBU ID Emp #: 461616 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|--|---------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 10/09/2011 15:00 | | | | | | | |
| Pre-Convoy Safety Meeting | 10/09/2011 16:45 | | | | | | | WITH HES CREW , TALKED ABOUT THE HAZARDS OF DRIVING TO LOCATION |
| Crew Leave Yard | 10/09/2011 17:00 | | | | | | | |
| Arrive At Loc | 10/09/2011 19:00 | | | | | | | |
| Assessment Of Location Safety Meeting | 10/09/2011 19:10 | | | | | | | WITH HES CREW, TALKED ABOUT THE HAZARDS OF SPOTTING EQUIPMENT, |
| Pre-Rig Up Safety Meeting | 10/09/2011 19:15 | | | | | | | WITH HES CREW , TALKED AOUT THE HAZARDS OF RIGGING UP WATER, BULK , IRON |
| Rig-Up Equipment | 10/09/2011 19:30 | | | | | | | RIG UP WATER, BULK , IRON |
| Rig-Up Completed | 10/09/2011 21:30 | | | | | | | |
| Other | 10/09/2011 21:45 | | | | | | | WAIT FOR BULK TRUCK TO SHOW UP ON LOCATION, HAD PROBLEMS WITH BULK TRAILER WHILE TRANSPORTING TO LOCATION. |
| Other | 10/10/2011 02:15 | | | | | | | BULK TRUCK SHOW UP ON LOCATION |
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
| | | | | Stage | Total | Tubing | Casing | |

| Pre-Job Safety Meeting | 10/10/2011 02:50 | | | | | | | WITH HES CREW, RIG CREW TALKED ABOUT THE JOB AND THE HAZARDS OF DOING THE JOB |
|------------------------|---------------------|-----|---------------------|---------------|------------|--|------------------|---|
| Start Job | 10/10/2011 03:16 | | | | | | | |
| Pump Water | 10/10/2011 03:16 | | 2 | 5 | 5 | | 230.0 | PUMP 5 BBLS OF FRESH WATER TO FILL LINES |
| Shutdown | 10/10/2011 03:18 | | | | | | | |
| Pressure Test | 10/10/2011 03:19 | | | | | | | PRESSURE TEST HES LINES TO 7934 PSI |
| Pump Spacer | 10/10/2011 03:21 | | 7 | 20 | 20 | | 450.0 | MIX AND PUMP 20 BBLS MUD FLUSH III |
| Drop Bottom Plug | 10/10/2011 03:25 | | | | | | | DROP HES BOTTOM PLUG WITNESSED BY COMPANY MAN |
| Pump Lead Cement | 10/10/2011 03:27 | | 7 | 269 | 269 | | 785.0 | MIX AND PUMP 575 SKS OF EXTENDACEM RS1-LEAD @ 11.50 PPG 2.63 Y 15.47 GAL/SK |
| Other | 10/10/2011 03:28 | | | | | | | MIS AUTO CAL ON H20 |
| Pump Tail Cement | 10/10/2011 04:09 | | 7 | 68 | 337 | | 353.0 | MIXED AND PUMP 1065 SKS OF ECONOCEM RS13-TAIL @ 14.20 PPG 1.49 Y 6.51 GAL/SKS |
| Slow Rate | 10/10/2011 04:18 | | 6 | 215 | 552 | | 330.0 | SLOWED RATE DO TO DENSITY ISSUSE, STAYED AT 6 BPM MIN AND MAINTAINED GOOD DENSITY |
| Shutdown | 10/10/2011 04:57 | | | | | | | |
| Clean Lines | 10/10/2011 05:01 | | | | | | | WASH PUMPS AND LINES TO PIT. |
| Drop Top Plug | 10/10/2011 05:04 | | | | | | | DROP HES TOP PLUG WITNESSED BY COMPANY MAN |
| Pump Displacement | 10/10/2011 05:05 | | 6 | 120 | 120 | | 2650.0 | PUMP CLAYSURF WATER |
| Slow Rate | 10/10/2011 05:23 | | 2 | 20 | 140 | | 2240.0 | PUMP CLAYSURF WATER |
| Bump Plug | 10/10/2011 05:33 | | | | | | 2665.0 | BUMP PLUG AND TOOK 500 PSI OVER FINAL CIRCLUATING PRESSURE TO |
| Activity Description | Date/Time | Cht | Rate bbl/ min | Volume bbl | | | Pressure psig | Comments |

Sold To # : 343491

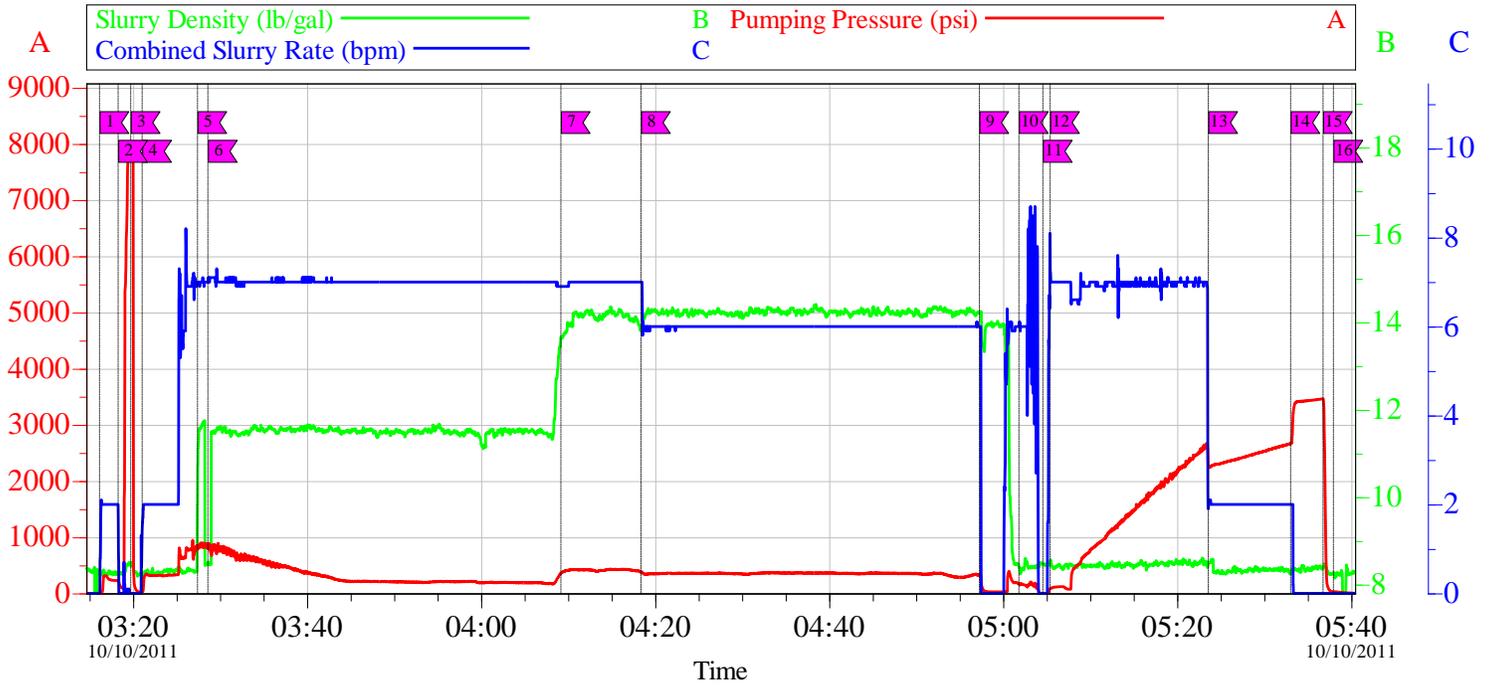
Ship To # :2880480

Quote # :

Sales Order # : 8510528

| | | # | | Stage | Total | Tubing | Casing | |
|-----------------------------|---------------------|---|--|-------|-------|--------|------------|---|
| Check Floats | 10/10/2011 05:36 | | | | | | 3464. 0 | FLOATS HELD RETURNED 2 BBLs BACK TO PUMP TRUCK |
| Pre-Rig Down Safety Meeting | 10/10/2011 05:45 | | | | | | | WITH HES,RIG CREW, TALKED ABOUT THE HAZARDS OF RIGGING DOWN EQUIPMENT |
| Rig-Down Equipment | 10/10/2011 05:50 | | | | | | | RIG DOWN , FLOOR, IRON, WATER, BULK |
| Other | 10/10/2011 06:09 | | | | | | | |
| Rig-Down Completed | 10/10/2011 06:30 | | | | | | | |
| Pre-Convoy Safety Meeting | 10/10/2011 06:45 | | | | | | | WITH HES CREW , TALKED ABOUT THE HAZARDS OF DRIVING BACK TO THE YARD |
| Crew Leave Location | 10/10/2011 06:50 | | | | | | | |
| Other | 10/10/2011 06:51 | | | | | | | FULL RETURNS THROUGHOUT JOB CIRCULATED 150 BBLs OF CEMENT TO SURFACE |
| Other | 10/10/2011 06:52 | | | | | | | RIG CIRCLUATED FOR 6 HRS @ 7 BPM , 900 PSI , DUE TO WAITING FOR BULK TRUCK TO SHOW UP |

WEXPRO JACKS DRAW 19 PRODUCTION

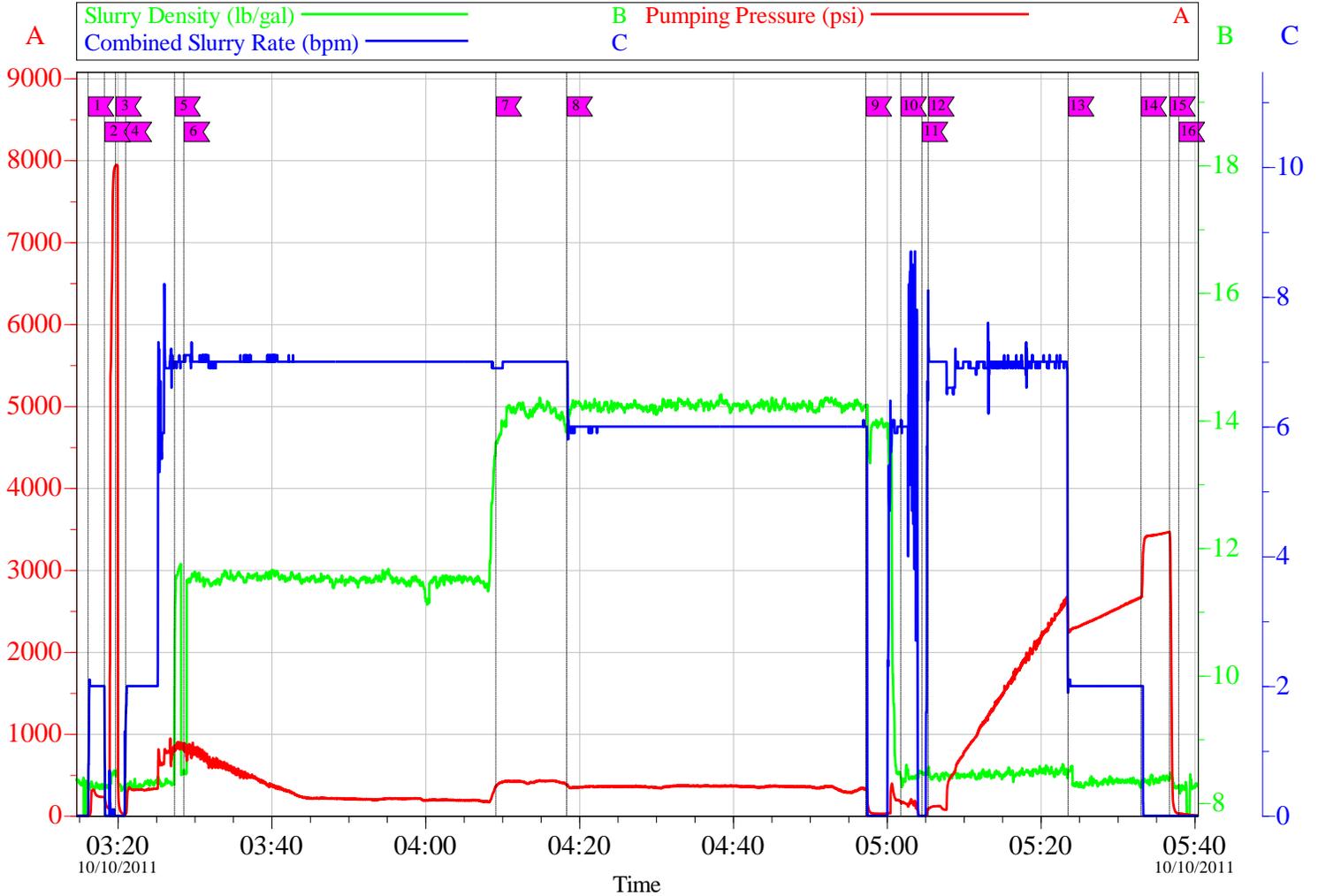


| Local Event Log | | | |
|-------------------------|-----------------|------------------------------------|----------------|
| Intersection | PP | Intersection | PP |
| 1 START JOB/ FILL LINES | 03:16:08 0.000 | 2 SHUTDOWN | 03:18:18 230.0 |
| 3 PRESSURE TEST | 03:19:44 793.4 | 4 PUMP MUD FLUSH | 03:21:03 21.01 |
| 5 PUMP LEAD CMT | 03:27:24 785.0 | 6 MIS AUTO CAL. | 03:28:36 811.4 |
| 7 PUMP TAIL CMT | 04:09:10 353.3 | 8 SLOW RATE, DO TO MIXING PROBLEMS | 04:18:22 375.4 |
| 9 SHUTDOWN | 04:57:16 330.3 | 10 WASH PUMPS LINES | 05:01:48 176.9 |
| 11 DROP TOP PLUG | 05:04:33 -29.41 | 12 START DISPLACEMENT | 05:05:24 87.32 |
| 13 SLOW RATE | 05:23:35 2240 | 14 BUMP PLUG | 05:33:02 2665 |
| 15 CHECK FLOATS | 05:36:45 3464 | 16 END JOB | 05:37:57 30.00 |

| | | |
|---------------------------------|-----------------------|------------------------|
| Customer: WEXPRO | Job Date: 09-Oct-2011 | Sales Order #: 8510528 |
| Well Description: JACKS DRAW 19 | Job Type : PRODUCTION | Supervisor TYSON HYDE |

OptiCem v6.4.10
10-Oct-11 06:06

WEXPRO JACKS DRAW 19 PRODUCTION



| | | |
|---------------------------------|-----------------------|------------------------|
| Customer: WEXPRO | Job Date: 09-Oct-2011 | Sales Order #: 8510528 |
| Well Description: JACKS DRAW 19 | Job Type : PRODUCTION | Supervisor TYSON HYDE |

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10-Oct-11 06:07

HALLIBURTON

Cementing

Water Analysis Report

COMPANY: WEXPRO Date Recorded 10/9/2011

SUBMITTED BY: TYSON HYDE SO# 8510528

LEASE: JACKS DRAW Job Type PRODUCTION

WELL #: 19 Camp Location Rock Springs WYO

CEMENT MIX WATER REQUIREMENTS

| Item | Recorded Test Value | Units | Max. Acceptable Limit | Potential Problems in Exceeding Limit |
|------------------|---------------------|-------|-----------------------|--|
| pH | 6 | --- | 6.0 - 8.0 | Chemicals in the water can cause severe retardation |
| Chlorides | 0 | ppm | 3000 ppm | Can shorten thickening time of cement |
| Sulfates | <200 | ppm | 1500 ppm | Will greatly decrease the strength of cement |
| Total Hardness | 120 | ppm | 500 mg/L | High concentrations will accelerate the set of the cement |
| Calcium | 100 | ppm | 500 ppm | High concentrations will accelerate the set of the cement |
| Total Alkalinity | 100 | ppm | 1000 ppm | Cement is greatly retarded to the point where it may not set up at |
| Potassium | 400 | ppm | 5000 ppm | High concentrations will shorten the pump time of cement |
| Iron | 1 | ppm | 300 ppm | High concentrations will accelerate the set of the cement |
| Temperature | 70 | °F | 50-80 °F | High temps will accelerate; Low temps may risk freezing in cold we |