
WILLIAMS PRODUCTION RMT INC - EBUS

**SP 432-14
PARACHUTE
Garfield County , Colorado**

Cement Surface Casing
30-Sep-2011

Job Site Documents

The Road to Excellence Starts with Safety

| | | | | | | | |
|--|--|-----------------------|---------------------------------|---|--|------------------------|-----------------|
| Sold To #: 300721 | | Ship To #: 2860250 | | Quote #: | | Sales Order #: 8490157 | |
| Customer: WILLIAMS PRODUCTION RMT INC - EBUS | | | | Customer Rep: Carr, Scott | | | |
| Well Name: SP | | | Well #: 432-14 | | | API/UWI #: | |
| Field: PARACHUTE | | City (SAP): PARACHUTE | | County/Parish: Garfield | | | 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: H&P 271 | | | Rig/Platform Name/Num: H&P 271 | | | | |
| Job Purpose: Cement Surface Casing | | | | | | Ticket Amount: | |
| Well Type: Development Well | | | Job Type: Cement Surface Casing | | | | |
| Sales Person: KOHL, KYLE | | | Srvc Supervisor: ROSS, CHARLES | | | MBU ID Emp #: 453128 | |

| Activity Description | Date/Time | Cht # | Rate bbl/ min | Volume bbl | | Pressure psig | | Comments |
|--|---------------------|----------|---------------------|---------------|-------|------------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 11/24/2011 05:30 | | | | | | | |
| Pre-Convoy Safety Meeting | 11/24/2011 07:50 | | | | | | | WITH ALL HES EE'S |
| Depart from Service Center or Other Site | 11/24/2011 07:55 | | | | | | | |
| Arrive at Location from Service Center | 11/24/2011 09:53 | | | | | | | |
| Assessment Of Location Safety Meeting | 11/24/2011 10:23 | | | | | | | WITH ALL HES EE'S |
| Pre-Rig Up Safety Meeting | 11/24/2011 10:38 | | | | | | | WITH ALL HES EE'S |
| Rig-Up Equipment | 11/24/2011 10:43 | | | | | | | 1-F550 PICKUP, 1- ELITE PUMP TRUCK, 2- 660 CEMENT BULK TRUCKS, 1-HARD LINE TO RIG AND WASH UP OUT TO THE CELLAR FROM MANIFOLD, 1- 9 5/8" PLUG CONTAINER. |
| Pre-Job Safety Meeting | 11/24/2011 18:33 | | | | | | | WITH ALL HES EE'S AND RIG CREW |
| Start Job | 11/24/2011 18:48 | | | | | | | TD 2479, 9 5/8 32.3# CASING SET @ 2464, SJ 46.6, FC 2417.4 MW# 10.1, RIG CIRCULATED 2.5 HRS PRIOR TO CEMENT JOB, HEAD AND CASING CHAINED DOWN BECAUSE OF PSI TO LIFT |
| Pump Water | 11/24/2011 18:49 | | 2 | 2 | | | 70.0 | FILL LINES, FRESH WATER |
| Activity Description | Date/Time | Cht | Rate bbl/ min | Volume bbl | | Pressure psig | | Comments |

Sold To # : 300721

Ship To # :2860250

Quote # :

Sales Order # : 8490157

SUMMIT Version: 7.2.27

Saturday, November 26, 2011 10:11:00

| | | # | | Stage | Total | Tubing | Casing | |
|---|---------------------|----------|---------------------|---------------|-------|------------------|--------|---|
| Test Lines | 11/24/2011 18:51 | | | | | | | TEST TO 3000 PSI |
| Pump Spacer 1 | 11/24/2011 19:03 | | 4 | 20 | | | 200.0 | FRESH WATER |
| Pump Lead Cement | 11/24/2011 19:09 | | 8 | 203.5 | | | 388.0 | 480 SKS OF VERSACEM PUMPED @ 12.3 PPG, YIELD 2.38, WATER 13.75 |
| Pump Tail Cement | 11/24/2011 19:43 | | 8 | 60.1 | | | 340.0 | 160 SKS OF VERSACEM PUMPED @ 12.8 PPG, YIELD 2.11, WATER 11.75 |
| Shutdown | 11/24/2011 19:56 | | | | | | | |
| Pump Displacement | 11/24/2011 20:00 | | 10 | 180 | | | 840.0 | FRESH WATER |
| Drop Plug | 11/24/2011 20:00 | | | | | | | TOP PLUG, PLUG WENT |
| Slow Rate | 11/24/2011 20:23 | | 2 | 10.2 | | | 540.0 | RATE SLOWED 10 BBL PRIOR TO CALCULATED DISPLACEMENT |
| Bump Plug | 11/24/2011 20:28 | | 2 | | 190.2 | | 500.0 | PLUG LANDED. PRESSURED UP TO 962 PSI. PRESSURED UP A SECOND TIME TO DOUBLE CHECK THE FLOATS. |
| Check Floats | 11/24/2011 20:32 | | | | | | | FLOATS HELD |
| End Job | 11/24/2011 20:43 | | | | | | | GOOD RETURNS THROUGHOUT JOB, NO MOVEMENT OF PIPE THROUGHOUT JOB, 45 BBLS OF CEMENT CIRCULATED TO THE PIT=106 SKS. USED 40 LBS OF SUGAR AND HAD 1 ADD HOUR. |
| Post-Job Safety Meeting (Pre Rig-Down) | 11/24/2011 20:48 | | | | | | | WITH ALL HES EE'S |
| Rig-Down Equipment | 11/24/2011 20:50 | | | | | | | |
| Pre-Convoy Safety Meeting | 11/24/2011 21:50 | | | | | | | WITH ALL HES EE'S |
| Activity Description | Date/Time | Cht # | Rate bbl/ min | Volume bbl | | Pressure psig | | Comments |
| | | | | Stage | Total | Tubing | Casing | |

| | | | | | | | | |
|---|---------------------|--|--|--|--|--|--|---|
| Depart Location for Service Center or Other Site | 11/24/2011 21:55 | | | | | | | THANKS FOR USING GRAND JUNCTION HALLIBURTON CEMENT DEPARTMENT, CHUCK ROSS AND CREW |
|---|---------------------|--|--|--|--|--|--|---|

The Road to Excellence Starts with Safety

| | | | |
|--|---------------------------------|-------------------------|------------------------|
| Sold To #: 300721 | Ship To #: 2860250 | Quote #: | Sales Order #: 8490157 |
| Customer: WILLIAMS PRODUCTION RMT INC - EBUS | Customer Rep: Carr, Scott | | |
| Well Name: SP | Well #: 432-14 | API/UWI #: | |
| Field: PARACHUTE | City (SAP): PARACHUTE | County/Parish: Garfield | State: Colorado |
| Contractor: H&P 271 | Rig/Platform Name/Num: H&P 271 | | |
| Job Purpose: Cement Surface Casing | | | |
| Well Type: Development Well | Job Type: Cement Surface Casing | | |
| Sales Person: KOHL, KYLE | Srv Supervisor: ROSS, CHARLES | MBU ID Emp #: 453128 | |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|-----------------------|---------|--------|----------------------|---------|--------|---------------------|---------|--------|
| BATH, KYLE Thomas | 13 | 477632 | BECK, MICHAEL George | 13 | 489151 | KUKUS, CARLTON Dean | 13 | 458577 |
| ROSS, CHARLES Raymond | 13 | 453128 | | | | | | |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10001431 | 60 mile | 10533645 | 60 mile | 10724643 | 60 mile | 11139328 | 60 mile |
| 11259881 | 60 mile | 11560046 | 60 mile | 11562538 | 60 mile | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| NOV 24, 2011 | 9 | 2 | | | | | | |

TOTAL Total is the sum of each column separately

Job

Job Times

| Formation Name | Formation Depth (MD) | Top | Bottom | Form Type | Job depth MD | Job Depth TVD | Water Depth | Wk Ht Above Floor | Perforation Depth (MD) | From | To | Called Out | Date | Time | Time Zone |
|----------------|----------------------|-----|--------|-----------|--------------|---------------|-------------|-------------------|------------------------|------|----|---------------|-----------------|-------|-----------|
| | | | | BHST | 2479. ft | 2479. ft | | 6. ft | | | | | 24 - Nov - 2011 | 05:30 | MST |
| | | | | | | | | | | | | On Location | 24 - Nov - 2011 | 09:53 | MST |
| | | | | | | | | | | | | Job Started | 24 - Nov - 2011 | 18:48 | MST |
| | | | | | | | | | | | | Job Completed | 24 - Nov - 2011 | 20:28 | GMT |
| | | | | | | | | | | | | Departed Loc | 24 - Nov - 2011 | 21:55 | 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 |
|-----------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| 13 1/2" OPEN HOLE | | | | 13.5 | | | | . | 2479. | | |
| 9 5/8" SURFACE CASING | Unknown | | 9.625 | 9.001 | 32.3 | | | . | 2464. | | |

Sales/Rental/3rd Party (HES)

| Description | Qty | Qty uom | Depth | Supplier |
|--|-----|---------|-------|----------|
| PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA | 1 | EA | | |
| R/A DENSOMETER W/CHART RECORDER,/JOB,ZI | 1 | JOB | | |
| PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI | 1 | JOB | | |
| ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI | 1 | JOB | | |

Tools and Accessories

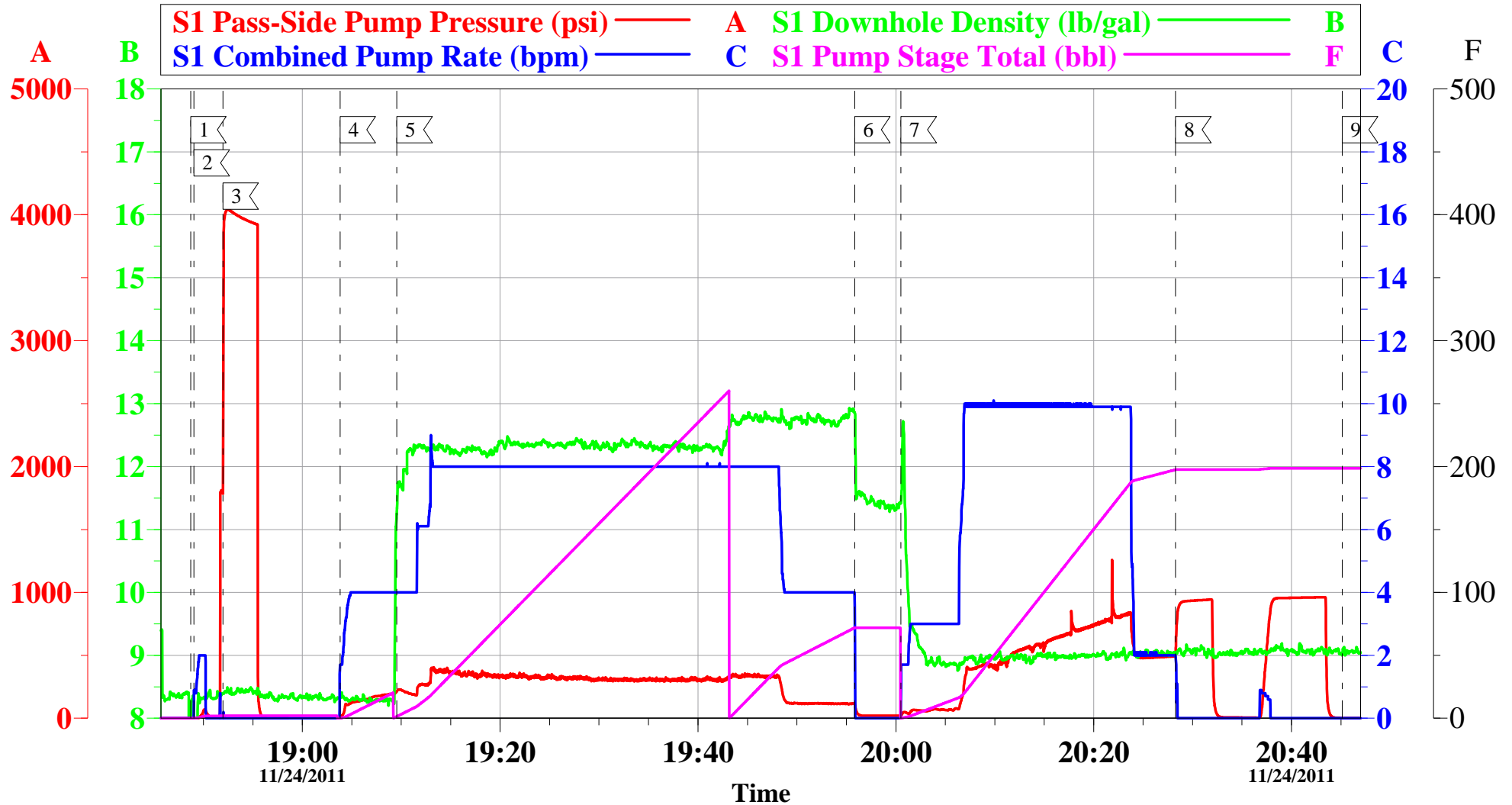
| Type | Size | Qty | Make | Depth | Type | Size | Qty | Make | Depth | Type | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|--------|-----|------|
| Guide Shoe | | | | | Packer | | | | | Top Plug | | | |
| Float Shoe | | | | | Bridge Plug | | | | | Bottom Plug | | | |
| Float Collar | | | | | Retainer | | | | | SSR plug set | | | |
| Insert Float | | | | | | | | | | Plug Container | 9 5/8" | 1 | |
| 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 | | |
| 1 | Water Spacer | | | | 20.00 | bbl | 8.34 | .0 | .0 | .0 | | | |
| 2 | Lead Cement | VERSACEM (TM) SYSTEM (452010) | | | 480.0 | sacks | 12.3 | 2.38 | 13.75 | | 13.75 | | |
| | 13.75 Gal | FRESH WATER | | | | | | | | | | | |
| 3 | Tail Cement | VERSACEM (TM) SYSTEM (452010) | | | 160.0 | sacks | 12.8 | 2.11 | 11.75 | | 11.75 | | |
| | 11.75 Gal | FRESH WATER | | | | | | | | | | | |
| 4 | Displacement Fluid | | | | 190.00 | bbl | 8.34 | .0 | .0 | .0 | | | |
| Calculated Values | | Pressures | | | Volumes | | | | | | | | |
| Displacement | 190.2 | Shut In: Instant | | | Lost Returns | NONE | Cement Slurry | | 264 | Pad | | | |
| Top Of Cement | SURF | 5 Min | | | Cement Returns | 45 | Actual Displacement | | 190.2 | Treatment | | | |
| Frac Gradient | | 15 Min | | | Spacers | 20 | Load and Breakdown | | | Total Job | 475 | | |
| Rates | | | | | | | | | | | | | |
| Circulating | 10.7 | Mixing | | | 8 | Displacement | | | 10 | Avg. Job | | 5.34 | |
| Cement Left In Pipe | Amount | 46.6 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 | | | | | | | | | |

Williams - SP 432-14

Surface



Local Event Log

| | | | | | |
|---------------------|----------|-------------------------|----------|-----------------|----------|
| 1 START JOB | 18:48:43 | 2 FILL LINES | 18:49:03 | 3 PRESSURE TEST | 18:51:58 |
| 4 PUMP SPACER | 19:03:49 | 5 PUMP CEMENT | 19:09:34 | 6 SHUT DOWN | 19:55:50 |
| 7 PUMP DISPLACEMENT | 20:00:31 | 8 BUMP PLUG / SHUT DOWN | 20:28:16 | 9 END JOB | 20:45:08 |

Customer: Williams
Well Description: SP 432-14
Customer Rep: Scott Carr

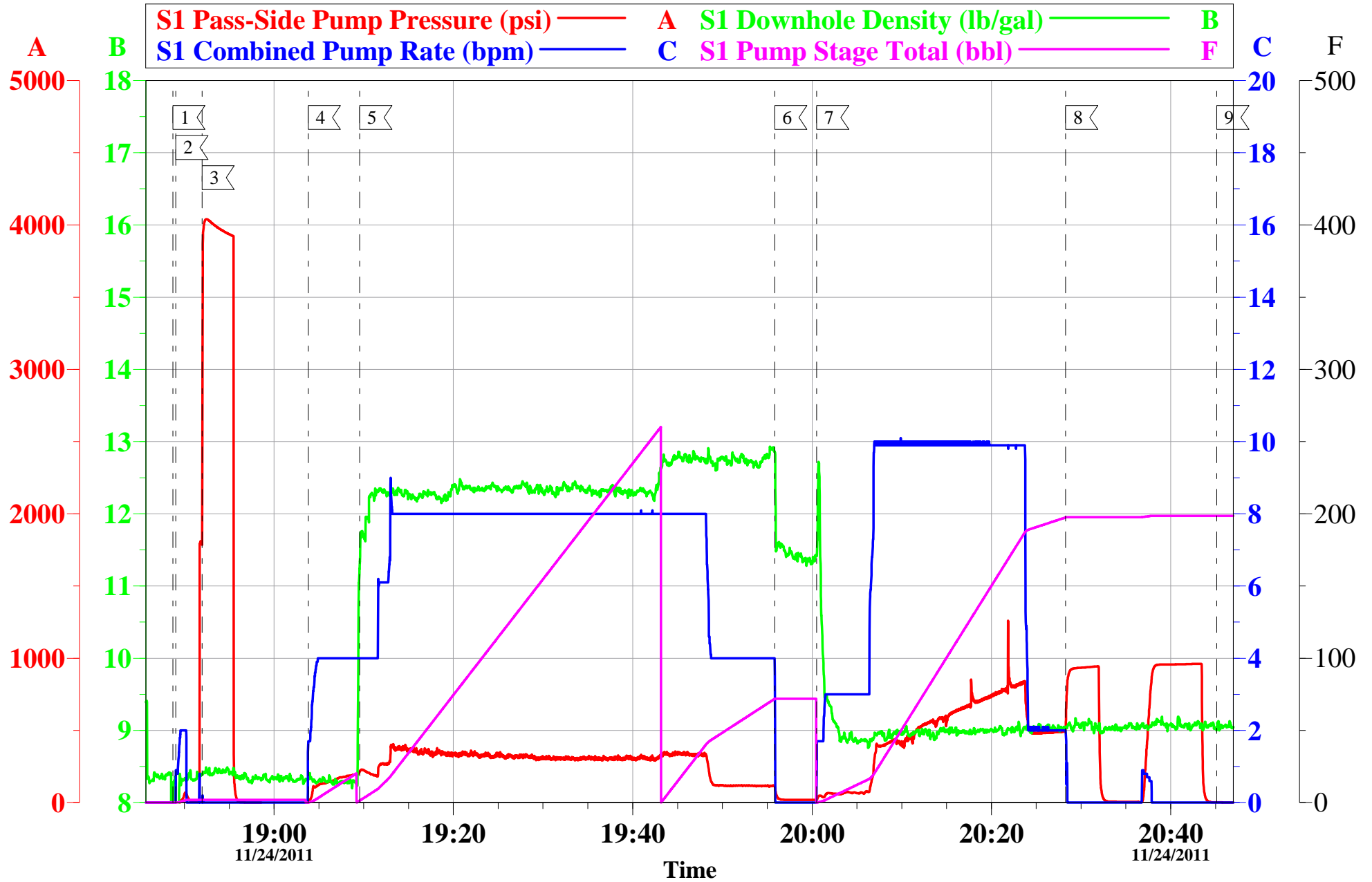
Job Date: 24-Nov-2011
Job type: Surface
Service Supervisor: Chuck Ross

Sales Order #: 8490157
ADC Used: Yes
Operator/ Pump: Mike Beck

OptiCem v6.4.10
24-Nov-11 21:08

Williams - SP 432-14

Surface



| | | |
|-----------------------------|--------------------------------|---------------------------|
| Customer: Williams | Job Date: 24-Nov-2011 | Sales Order #: 8490157 |
| Well Description: SP 432-14 | Job type: Surface | ADC Used: Yes |
| Customer Rep: Scott Carr | Service Supervisor: Chuck Ross | Operator/ Pump: Mike Beck |

OptiCem v6.4.10
24-Nov-11 21:09

HALLIBURTON

Water Analysis Report

Company: WILLIAMS

Submitted by: CHUCK ROSS

Attention: JON TROUT

Lease: SP

Well #: 432-14

Date: 11/24/2011

Date Rec.: 11/24/2011

S.O.#: 8490157

Job Type: 9 5/8" SURFACE

| | | |
|-----------------------------|--------------|-----------------------|
| Specific Gravity | <i>MAX</i> | <i>1</i> |
| pH | <i>8</i> | <i>7</i> |
| Potassium (K) | <i>5000</i> | <i>250</i> Mg / L |
| Calcium (Ca) | <i>500</i> | Mg / L |
| Iron (FE2) | <i>300</i> | <i>10</i> Mg / L |
| Chlorides (Cl) | <i>3000</i> | <i>0</i> Mg / L |
| Sulfates (SO ₄) | <i>1500</i> | <i><200</i> Mg / L |
| Chlorine (Cl ₂) | | <i>NA</i> Mg / L |
| Temp | <i>40-80</i> | <i>92</i> Deg |
| Total Dissolved Solids | | <i>580</i> Mg / L |

Respectfully: CHUCK ROSS

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or

| | | |
|--|--|---|
| Sales Order #: 8490157 | Line Item: 10 | Survey Conducted Date: 11/24/2011 |
| Customer: WILLIAMS PRODUCTION RMT INC - EBUS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: SCOTT CARR | | API / UWI: (leave blank if unknown) AFEYST1WMZJN4PVHAAA |
| Well Name: SP | | Well Number: 432-14 |
| Well Type: Development Well | Well Country: United States of America | |
| H2S Present: | Well State: Colorado | Well County: Garfield |

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

| CATEGORY | CUSTOMER SATISFACTION RESPONSE | |
|-------------------------|--|---------------------------|
| Survey Conducted Date | The date the survey was conducted | 11/24/2011 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | CHARLES ROSS (HB20648) |
| Customer Participation | Did the customer participate in this survey? (Y/N) | Yes |
| Customer Representative | Enter the Customer representative name | SCOTT CARR |
| HSE | Was our HSE performance satisfactory? Circle Y or N | Yes |
| Equipment | Were you satisfied with our Equipment? Circle Y or N | Yes |
| Personnel | Were you satisfied with our people? Circle Y or N | Yes |
| Customer Comment | Customer's Comment | |

CUSTOMER SIGNATURE

| | | |
|--|--|---|
| Sales Order #: 8490157 | Line Item: 10 | Survey Conducted Date: 11/24/2011 |
| Customer: WILLIAMS PRODUCTION RMT INC - EBUS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: SCOTT CARR | | API / UWI: (leave blank if unknown) AFEYST1WMZJN4PVHAAA |
| Well Name: SP | | Well Number: 432-14 |
| Well Type: Development Well | Well Country: United States of America | |
| H2S Present: | Well State: Colorado | Well County: Garfield |

KEY PERFORMANCE INDICATORS

| General | |
|---|------------|
| Survey Conducted Date The date the survey was conducted | 11/24/2011 |

| Cementing KPI Survey | |
|--|-------------------------|
| Type of Job Select the type of job. (Cementing or Non-Cementing) | 0 |
| Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation. | Deviated |
| Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format. | 4 |
| HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only. | No |
| Was the job purpose achieved? Was the job delivered correctly as per customer agreed design? | Yes |
| Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format. | 1.75 |
| Customer Non-Productive Rig Time (hrs) Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none. | 0 |
| Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On | Drilling Rig (Portable) |
| Number Of JSAs Performed Number Of Jsas Performed | 5 |
| Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time. | 0 |
| Was this a Primary Cement Job (Yes / No) | Yes |

| | | |
|--|--|---|
| Sales Order #: 8490157 | Line Item: 10 | Survey Conducted Date: 11/24/2011 |
| Customer: WILLIAMS PRODUCTION RMT INC - EBUS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: SCOTT CARR | | API / UWI: (leave blank if unknown) AFEYST1WMZJN4PVHAAA |
| Well Name: SP | | Well Number: 432-14 |
| Well Type: Development Well | Well Country: United States of America | |
| H2S Present: | Well State: Colorado | Well County: Garfield |

| | |
|--|-----|
| Primary Cement Job= Casing job, Liner job, or Tie-back job. | |
| Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs? | Top |
| Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100 | 98 |
| Was Automated Density Control Used? Was Automated Density Control (ADC) Used ? | Yes |
| Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100 | 98 |
| Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition | 0 |
| Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES | 0 |
| Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES | 0 |