
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**KP 18-213D
KOKOPELLI
Garfield County , Colorado**

**Squeeze Perfs
01-Dec-2012**

Post Job Report

The Road to Excellence Starts with Safety

| | | | |
|--|--|--|-------------------------|
| Sold To #: 300721 | Ship To #: 2829290 | Quote #: | Sales Order #: 9932719 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | | Customer Rep: Ebberson, Doug | |
| Well Name: KP | | Well #: 18-213D | API/UWI #: 05-045-16264 |
| Field: KOKOPELLI | City (SAP): SILT | County/Parish: Garfield | State: Colorado |
| Lat: N 39.522 deg. OR N 39 deg. 31 min. 20.132 secs. | | Long: W 107.595 deg. OR W -108 deg. 24 min. 19.105 secs. | |
| Contractor: WORKOVER | | Rig/Platform Name/Num: WORKOVER | |
| Job Purpose: Squeeze Perfs | | | |
| Well Type: Development Well | | Job Type: Squeeze Perfs | |
| Sales Person: | Srvc Supervisor: KUKUS, CHRISTOPHER | | MBU ID Emp #: 413952 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|--------------------------|---------|--------|-----------------------------|---------|--------|----------------|---------|--------|
| BLANCHETTE, JAMES George | 0.0 | 371360 | GOWEN, WESLEY M | 0.0 | 496205 | HYDE, DUSTIN C | 0.0 | 453940 |
| KUKUS, CHRISTOPHER A | 0.0 | 413952 | MILLER II, MATTHEW Reginald | 0.0 | 425164 | | | |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10616651C | 60 mile | 10784080 | 60 mile | 10995025 | 60 mile | 11164589 | 60 mile |
| 11583931 | 60 mile | 11808827 | 60 mile | | | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| | | | | | | | | |

| | | | | | | | | |
|-------|--|--|--|--|--|--|--|--|
| TOTAL | Total is the sum of each column separately | | | | | | | |
|-------|--|--|--|--|--|--|--|--|

Job

| Formation Name | Top | Bottom | Called Out | Date | Time | Time Zone |
|------------------------|----------|-------------------|-------------|-----------------|-----------------|-----------|
| Formation Depth (MD) | | | On Location | 01 - Dec - 2012 | 06:00 | MST |
| Form Type | BHST | | Job Started | 01 - Dec - 2012 | 10:11 | MST |
| Job depth MD | 1560. ft | Job Depth TVD | 1560. ft | Job Completed | 01 - Dec - 2012 | 13:35 |
| Water Depth | | Wk Ht Above Floor | 5. ft | Departed Loc | 01 - Dec - 2012 | 15:30 |
| Perforation Depth (MD) | From | To | | | | |

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 |
|-------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
|-------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|

Sales/Rental/3rd Party (HES)

| Description | Qty | Qty uom | Depth | Supplier |
|--|-----|---------|-------|----------|
| ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI | 1 | JOB | | |
| R/A DENSOMETER W/CHART RECORDER, /JOB,ZI | 1 | JOB | | |
| PORT. DATA ACQUIS. W/OPTICEM RT W/HES | 1 | EA | | |

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 | Injection Test | | 20.00 | bbl | 8.33 | .0 | .0 | .0 | |
| 2 | Lead Cement | SQUEEZECM (TM) SYSTEM (452971) | 150.0 | sacks | 16.2 | 1.09 | 4.55 | | 4.55 |
| | 4.55 Gal | FRESH WATER | | | | | | | |
| 3 | Tail Cement | SQUEEZECM (TM) SYSTEM (452971) | 50.0 | sacks | 17. | .99 | 3.77 | | 3.77 |
| | 3.77 Gal | FRESH WATER | | | | | | | |
| 4 | Displacement | | 5.00 | bbl | 8.33 | .0 | .0 | .0 | |
| 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 | | | | | |

The Road to Excellence Starts with Safety

| | | | | | | | |
|---|--|---------------------------|---|---|--|--------------------------------|------------------------|
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| Well Name: KP | | | Well #: 18-213D | | | API/UWI #: 05-045-16264 | |
| Field: KOKOPELLI | | City (SAP): SILT | | County/Parish: Garfield | | | State: Colorado |
| Legal Description: | | | | | | | |
| Lat: N 39.522 deg. OR N 39 deg. 31 min. 20.132 secs. | | | | Long: W 107.595 deg. OR W -108 deg. 24 min. 19.105 secs. | | | |
| Contractor: WORKOVER | | | Rig/Platform Name/Num: WORKOVER | | | | |
| Job Purpose: Squeeze Perfs | | | | | | Ticket Amount: | |
| Well Type: Development Well | | | Job Type: Squeeze Perfs | | | | |
| Sales Person: | | | Srvc Supervisor: KUKUS, CHRISTOPHER | | | MBU ID Emp #: 413952 | |

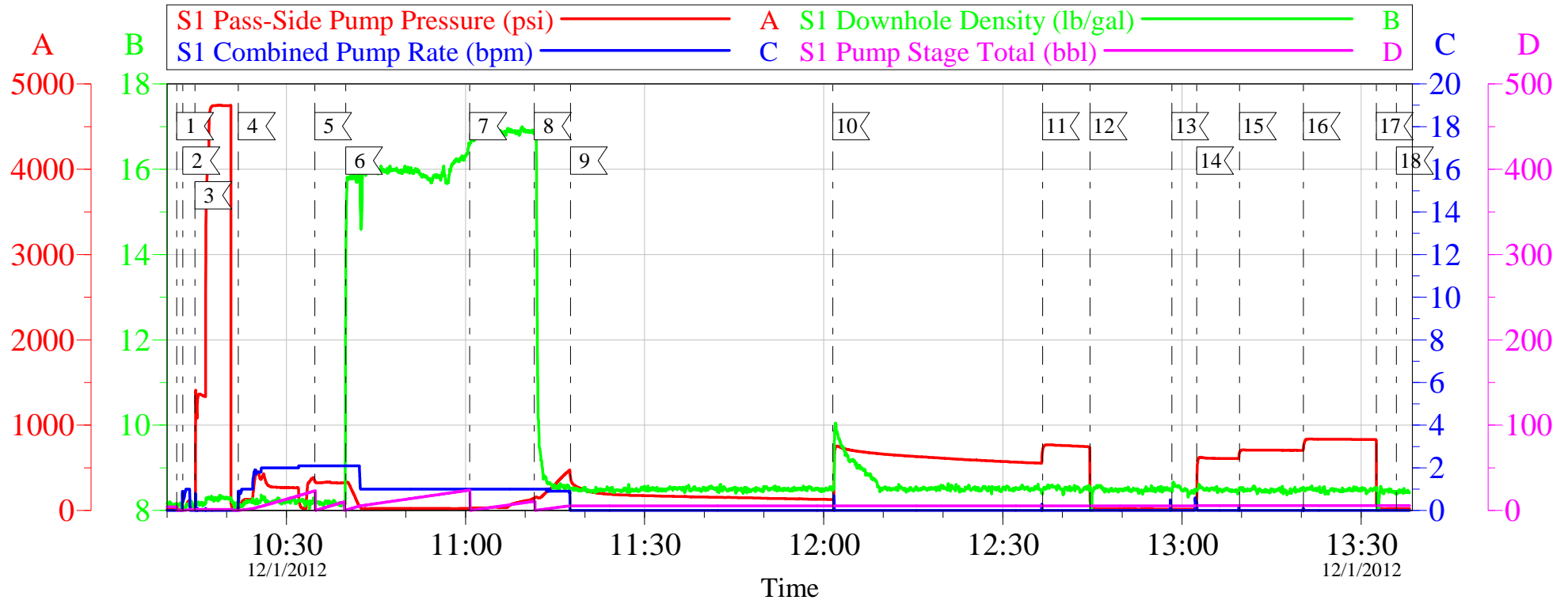
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 12/01/2012 02:00 | | | | | | | ELITE # 4 |
| Depart Yard Safety Meeting | 12/01/2012 04:00 | | | | | | | SAFETY MEETING WITH ALL HES |
| Arrive At Loc | 12/01/2012 06:00 | | | | | | | ARRIVED ON LOCATION 2 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME |
| Assessment Of Location Safety Meeting | 12/01/2012 06:10 | | | | | | | RIG RIH WITH TUBING |
| Pre-Rig Up Safety Meeting | 12/01/2012 06:15 | | | | | | | ALL HES EMPLOYEES |
| Rig-Up Equipment | 12/01/2012 06:20 | | | | | | | 1 F-550 PICKUP 1 HT-400 PUMP TRUCK 1 660 BULK TRUCK |
| Pre-Job Safety Meeting | 12/01/2012 09:50 | | | | | | | ALL PERSONNEL ON LOCATION |
| Start Job | 12/01/2012 10:11 | | | | | | | RETAINER @ 1460 BRIDGE PLUG @ 1660 44' SAND ONTOP BRIDGE PLUG PERFS @ 1560 - 1561 4 SHOTS PER FOOT TUBING: 2 3/8 4.7 # CSG: 4 1/2 11.6 I-80 SG CSG: 9 5/8 32.3# @ 851 OH: 8 3/4 MAX PSI @ 500 |
| Pressure Test | 12/01/2012 10:14 | | | | | 4746.0 | | PRESSURE TEST OK |
| Injection Test | 12/01/2012 10:21 | | 2 | 20 | 20 | 380.0 | | PUMP 20 BBL MUD FLUSH INJECTION TEST |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|----------------------|------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Spacer 1 | 12/01/2012 10:34 | | 2 | 10 | 10 | 332.0 | | PUMP FRESH WATER SPACER |
| Pump Lead Cement | 12/01/2012 10:39 | | 1 | 29.1 | 29.1 | 25.0 | | 150 SKS 16.2 PPG 1.09 YEILD 4.55 GAL / SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT LEAD CEMENT 6 BBLS INTO LEAD CEMENT RATE WAS SLOW TO 1 WELL WAS ON A VACUUM CAUSING A DROP IN DENSITY |
| Pump Tail Cement | 12/01/2012 11:00 | | 1 | 8.8 | 8.8 | 147.0 | | 50 SKS 17PPG .99 YEILD 3.77 GAL / SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGH OUT TAIL CEMENT |
| Pump Displacement | 12/01/2012 11:11 | | 1 | 5.6 | 5.6 | 474.0 | | FRESH WATER DISPLACEMENT |
| Shutdown | 12/01/2012 11:17 | | | | | 474.0 | | SHUTDOWN FOR 45MINS TO HESITATE ON WELL |
| Resume Squeeze | 12/01/2012 12:01 | | 0.2 | 0.1 | 0.1 | 130.0 | | RESUME SQUEEZE |
| Shutdown | 12/01/2012 12:01 | | | 5.7 | 5.7 | 755.0 | | SHUTDOWN TO HESITATE |
| Other | 12/01/2012 12:44 | | | | | | | RIG STING OUT OF RETAINER |
| Reverse Circ Well | 12/01/2012 12:45 | | | | | | | RIG REVERSE OUT THROUGH HES IRON 20 BBLS OF FRESH WATER GOT .5 BBL OF CEMENT TO SURFACE |
| Other | 12/01/2012 12:58 | | | | | | | STING BACK INTO RETAINER PER CO REP REQUEST TO RESUME SQUEEZE |
| Resume Squeeze | 12/01/2012 13:02 | | 0.2 | 0.1 | 0.1 | 17.0 | | RESUME SQUEEZE |
| Shutdown | 12/01/2012 13:03 | | | | | 623.0 | | SHUTDOWN TO HESITATE |
| Other | 12/01/2012 13:09 | | | | | 710.0 | | PRESSURE FELL TO 608 BUMP PRESSURE UP TO 710 PER CO REP REQUEST |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|-----------------------------|------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Other | 12/01/2012 13:20 | | | | | 838.0 | | PRESSURE FELL TO 705 BUMP PRESSURE UP TO 838 PER CO REP REQUEST |
| Other | 12/01/2012 13:32 | | | | | 832.0 | | PRESSURE FELL TO 832 STUNG OUT OF RETAINER PER CO REP REQUEST |
| End Job | 12/01/2012 13:35 | | | | | | | WELL HAD GOOD CIRCULATION THROUGH OUT JOB RIG SHUT IN BRADEN HEAD PER CO REP REQUEST AT END OF DISPLACEMENT HES FOLLOWED UP BY SQUEEZING ON WELL RIG USED 40 LB'S OF SUGAR |
| Other | 12/01/2012 13:36 | | | | | | | TICKET CHANGES: DEPTH CHARGE TO 1560 , CHANGED SUGAR TO 40LB'S , CHANGED ADD HOURS TO 2 TOOK OFF SWAGES CHARGE |
| Pre-Rig Down Safety Meeting | 12/01/2012 13:50 | | | | | | | ALL HES EMPLOYEES |
| Rig-Down Equipment | 12/01/2012 14:00 | | | | | | | |
| Pre-Convoy Safety Meeting | 12/01/2012 15:20 | | | | | | | ALL HES EMPLOYEES |
| Crew Leave Location | 12/01/2012 15:30 | | | | | | | THANK YOU FOR USING HALLIBURTON CEMENT CHRIS KUKUS AND CREW |

WPX - KP 18-213D

SQUEEZE



Local Event Log

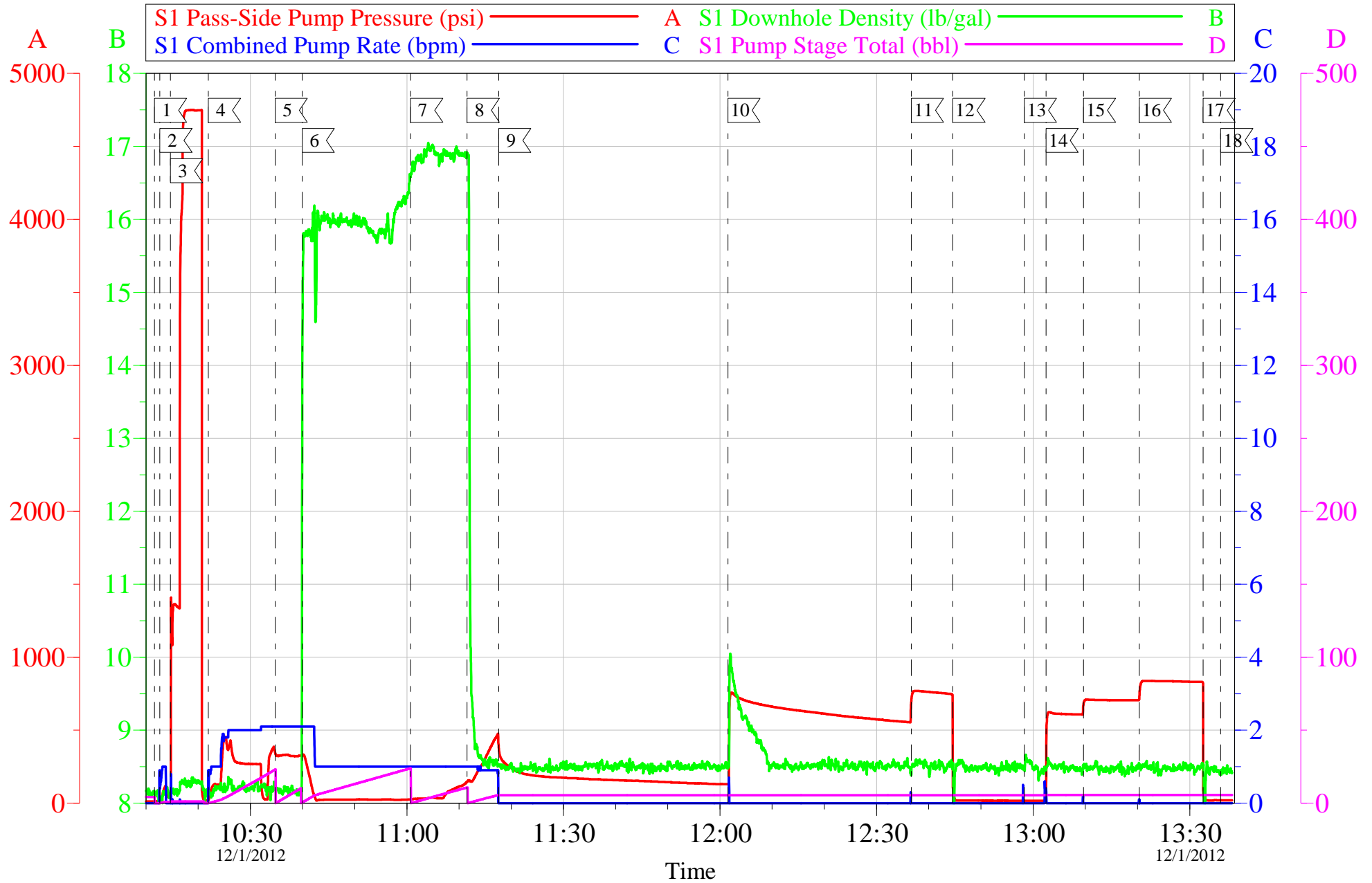
| | | | |
|------------------------|----------|-----------------------------------|----------|
| 1 START JOB | 10:11:38 | 2 FILL LINES | 10:12:40 |
| 3 TEST LINES | 10:14:41 | 4 PUMP MUD FLUSH | 10:21:58 |
| 5 PUMP FRESH WATER | 10:34:45 | 6 PUMP LEAD CEMENT | 10:39:56 |
| 7 PUMP TAIL CEMENT | 11:00:42 | 8 PUMP FRESH WATER DISPLACEMENT | 11:11:33 |
| 9 SHUT DOWN / HESITATE | 11:17:36 | 10 RESUME SQUEEZE | 12:01:31 |
| 11 PRESSURE UP | 12:36:39 | 12 RELEASE PRESSURE / REVERSE OUT | 12:44:36 |
| 13 STING INTO RETAINER | 12:58:20 | 14 RESUME SQUEEZE | 13:02:29 |
| 15 PRESSURE UP | 13:09:37 | 16 PRESSURE UP | 13:20:20 |
| 17 STING OUT | 13:32:33 | 18 END JOB | 13:35:56 |

| | | |
|------------------------------|--------------------------------|--------------------------|
| Customer: WPX | Job Date: 01-Dec-2012 | Sales Order #: 9932719 |
| Well Description: KP 18-213D | Job Type: SQUEEZE | ADC Used: YES |
| Company Rep: DOUG EBBERSON | Cement Supervisor: CHRIS KUKUS | Elite # 4: REGGIE MILLER |

OptiCem v6.4.10
01-Dec-12 13:40

WPX - KP 18-213D

SQUEEZE



| | | |
|------------------------------|--------------------------------|--------------------------|
| Customer: WPX | Job Date: 01-Dec-2012 | Sales Order #: 9932719 |
| Well Description: KP 18-213D | Job Type: SQUEEZE | ADC Used: YES |
| Company Rep: DOUG EBBERSON | Cement Supervisor: CHRIS KUKUS | Elite # 4: REGGIE MILLER |

OptiCem v6.4.10
01-Dec-12 13:41

HALLIBURTON

Water Analysis Report

Company: WPX

Submitted by: CHRIS KUKUS

Attention: J. TROUT/C.MARTINEZ

Lease KP

Well # 18-213D

Date: 12/1/2012

Date Rec.: 12/1/2012

S.O.# 9932719

Job Type: SQUEEZE

| | | |
|-----------------------------|--------------|-------------------------|
| Specific Gravity | <i>MAX</i> | 1 |
| pH | <i>8</i> | 6.8 |
| Potassium (K) | <i>5000</i> | 0 Mg / L |
| Calcium (Ca) | <i>500</i> | 120 Mg / L |
| Iron (FE2) | <i>300</i> | 0 Mg / L |
| Chlorides (Cl) | <i>3000</i> | 0 Mg / L |
| Sulfates (SO ₄) | <i>1500</i> | UNDER 200 Mg / L |
| Chlorine (Cl ₂) | | 0 Mg / L |
| Temp | <i>40-80</i> | 50 Deg |
| Total Dissolved Solids | | 130 Mg / L |

Respectfully: CHRIS KUKUS

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 its

| | | |
|--|--|--|
| Sales Order #: 9932719 | Line Item: 10 | Survey Conducted Date: 12/1/2012 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | | Job Type (BOM): CMT SQUEEZE PERFORATIONS BOM |
| Customer Representative: DOUG EBBERSON | | API / UWI: (leave blank if unknown) 05-045-16264 |
| Well Name: KP | | Well Number: 18-213D |
| 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 | 12/1/2012 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | CHRISTOPHER KUKUS (HX35027) |
| Customer Participation | Did the customer participate in this survey? (Y/N) | Yes |
| Customer Representative | Enter the Customer representative name | DOUG EBBERSON |
| 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 #: 9932719 | Line Item: 10 | Survey Conducted Date: 12/1/2012 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | | Job Type (BOM): CMT SQUEEZE PERFORATIONS BOM |
| Customer Representative: DOUG EBBERSON | | API / UWI: (leave blank if unknown) 05-045-16264 |
| Well Name: KP | | Well Number: 18-213D |
| 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 | 12/1/2012 |

| 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. | Vertical |
| Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format. | 3.5 |
| 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. | 2 |
| 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 | Workover |
| Number Of JSAs Performed Number Of Jsas Performed | 6 |
| Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time. | 0 |
| Was this a Primary Cement Job (Yes / No) | No |

| | | |
|--|--|--|
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| Well Name: KP | | Well Number: 18-213D |
| 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. | |
| Was this a Plug or a Squeeze Job? Please select the appropriate choice | No |
| Was this a Primary or a Remedial Job? Kick off plug, Plug to Abandon, LCM plug or Planned Liner Top Squeeze, Squeeze of existing perforations, Squeeze of casing leak | No |
| 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 | 90 |
| 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 | 90 |
| 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 |