
OXY GRAND JUNCTION EBUSINESS

**Cascade Creek 697-09-04A
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing
08-Mar-2012

Post Job Report

The Road to Excellence Starts with Safety

| | | | |
|---|----------------------------|--|--------------------------------|
| Sold To #: 344034 | Ship To #: 2913623 | Quote #: | Sales Order #: 9334878 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Customer Rep: Clark, Darryl | |
| Well Name: Cascade Creek | | Well #: 697-09-04A | API/UWI #: 05-045-20727 |
| Field: GRAND VALLEY | City (SAP): ADDISON | County/Parish: Garfield | State: Colorado |
| Lat: N 39.549 deg. OR N 39 deg. 32 min. 55.608 secs. | | Long: W 108.23 deg. OR W -109 deg. 46 min. 11.388 secs. | |
| Contractor: OXY | | Rig/Platform Name/Num: H&P 330 | |
| Job Purpose: Cement Surface Casing | | | |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: HIMES, JEFFREY | | Srvc Supervisor: SMITH, DUSTIN | MBU ID Emp #: 418015 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|-----------------|---------|--------|-----------------------|---------|--------|-----------------------------|---------|--------|
| HYDE, DUSTIN C | 25 | 453940 | KUKUS, CHRISTOPHER A | 25 | 413952 | MILLER II, MATTHEW Reginald | 7 | 425164 |
| PARKER, BRANDON | 25 | 503646 | SMITH, DUSTIN Michael | 25 | 418015 | | | |

Equipment

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10533645 | 120 mile | 10804567 | 120 mile | 10867094 | 120 mile | 10897925 | 120 mile |
| 11259883 | 120 mile | 11360871 | 120 mile | 11542767 | 120 mile | 6374L | 120 mile |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------------|-------------------|-----------------|---|-------------------|-----------------|------|-------------------|-----------------|
| 03/07/12 | 10.5 | 6 | 03/08/12 | 14.5 | 3 | | | |
| TOTAL | 25 | 9 | <i>Total is the sum of each column separately</i> | | | | | |

Job

Job Times

| Formation Name | Top | Bottom | Called Out | Date | Time | Time Zone |
|-------------------------------|-------------|--------------------------|--------------------|----------------------|-----------------|-----------|
| Formation Depth (MD) | | | On Location | 07 - Mar - 2012 | 07:30 | MST |
| Form Type | | BHST | Job Started | 07 - Mar - 2012 | 13:30 | MST |
| Job depth MD | 2855. ft | Job Depth TVD | 2855. ft | Job Completed | 08 - Mar - 2012 | 11:47 |
| Water Depth | | Wk Ht Above Floor | . ft | Departed Loc | 08 - Mar - 2012 | 14:30 |
| Perforation Depth (MD) | <i>From</i> | <i>To</i> | | | | |

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 | | | | 14.75 | | | | . | 2855. | | |
| SURFACE CASING | New | | 9.625 | 8.921 | 36. | | J-55 | . | 2835.9 | | |

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 | | |

Tools and Accessories

| Type | Size | Qty | Make | Depth | Type | Size | Qty | Make | Depth | Type | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|-------|-----|------|
| Guide Shoe | | | | | Packer | | | | | Top Plug | 9 5/8 | 1 | |
| 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 ft ³ /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|--|--------------------------|-------------------------------|--------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|
| 1 | Fresh Water Spacer | | 10.00 | bbl | 8.33 | .0 | .0 | 4.0 | |
| 2 | Gel Water Spacer | | 20.00 | bbl | 8.34 | .0 | .0 | 4.0 | |
| 0.25 gal/bbl | | LGC-36 UC, BULK (101582749) | | | | | | | |
| 3 | Fresh Water Spacer | | 10.00 | bbl | 8.33 | .0 | .0 | 4.0 | |
| 4 | Lead Cement | VERSACEM (TM) SYSTEM (452010) | 1115.0 | sacks | 12.3 | 2.33 | 12.62 | 5.0 | 12.62 |
| 12.62 Gal | | FRESH WATER | | | | | | | |
| 5 | Tail Cement | VERSACEM (TM) SYSTEM (452010) | 170.0 | sacks | 12.8 | 2.07 | 10.67 | 5.0 | 10.67 |
| 10.67 Gal | | FRESH WATER | | | | | | | |
| 6 | Fresh Water Displacement | | 215.6 | bbl | 8.34 | .0 | .0 | 6.0 | |
| Calculated Values | | Pressures | | | Volumes | | | | |
| Displacement | 215.6 | Shut In: Instant | | Lost Returns | | Cement Slurry | 525.4 | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 12 | Actual Displacement | 215.6 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 40 | Load and Breakdown | | Total Job | 781 |
| Rates | | | | | | | | | |
| Circulating | | Mixing | 5 | Displacement | 6 | Avg. Job | | | 5.5 |
| Cement Left In Pipe | Amount | 46.8 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 #: 344034 | Ship To #: 2913623 | Quote #: | Sales Order #: 9334878 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Customer Rep: Clark, Darryl | |
| Well Name: Cascade Creek | | Well #: 697-09-04A | API/UWI #: 05-045-20727 |
| Field: GRAND VALLEY | City (SAP): ADDISON | County/Parish: Garfield | State: Colorado |
| Legal Description: | | | |
| Lat: N 39.549 deg. OR N 39 deg. 32 min. 55.608 secs. | | Long: W 108.23 deg. OR W -109 deg. 46 min. 11.388 secs. | |
| Contractor: OXY | | Rig/Platform Name/Num: H&P 330 | |
| Job Purpose: Cement Surface Casing | | | Ticket Amount: |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: HIMES, JEFFREY | | Srvc Supervisor: SMITH, DUSTIN | MBU ID Emp #: 418015 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 03/07/2012 07:30 | | | | | | | ELITE # 1 |
| Depart Yard Safety Meeting | 03/07/2012 10:00 | | | | | | | ALL HES EMPLOYEES |
| Arrive At Loc | 03/07/2012 13:30 | | | | | | | ARRIVED ON LOCATION 4 1/2 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME RIG RUNNING CASING |
| Assessment Of Location Safety Meeting | 03/07/2012 15:30 | | | | | | | ALL HES EMPLOYEES |
| Pre-Rig Up Safety Meeting | 03/07/2012 15:50 | | | | | | | ALL HES EMPLOYEES |
| Rig-Up Equipment | 03/07/2012 16:00 | | | | | | | 1 F-550 PICKUP 1 HT-400 PUMP TRUCK 2 660 BULK TRUCKS 1 SILO JOB PUMPED OFFLINE |
| Pre-Job Safety Meeting | 03/07/2012 18:30 | | | | | | | ALL HES EMPLOYEES AND RIG CREW |
| Rig-Up Completed | 03/07/2012 19:00 | | | | | | | RIG CIRCULATED FOR 1 HOUR PRIOR TO JOB |
| Start Job | 03/07/2012 19:01 | | | | | | | TD: 2855 TP: 2835.85 SJ: 46.85 9 5/8 36# J-55 CSG 14 3/4 OH MUD WT: 9.2 PPG |
| Test Lines | 03/07/2012 19:06 | | | | | 3820.0 | | PRESSURE TEST OK |
| Pump Spacer 1 | 03/07/2012 19:10 | | 4 | 10 | 10 | | 75.0 | FRESH WATER |
| Pump Spacer 2 | 03/07/2012 19:13 | | 4 | 20 | 20 | | 40.0 | LCG-36 GELLED H2O SPACER |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|----------------------|---------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Spacer 1 | 03/07/2012 19:18 | | 4 | 10 | 10 | | 93.0 | FRESH WATER |
| Pump Lead Cement | 03/07/2012 19:24 | | 5 | 462.7 | 462.7 | | 120.0 | 1115 SKS 12.3 PPG 2.33 YIELD 12.62 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT INCREASED PUMP RATE TO 8 BPM TO MOVE FLUID DUE TO PUMPS CAVATATING FROM TUFF FIBER MOVING FLUID APPROXIMATELY 5.0 BPM BBL COUNTER OFF DUE TO CAVATATING |
| Pump Tail Cement | 03/07/2012 21:10 | | 5 | 62.7 | 62.7 | | 160.0 | 170 SKS 12.8 PPG 2.07 YIELD 10.67 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT |
| Shutdown | 03/07/2012 21:22 | | | | | | | |
| Drop Plug | 03/07/2012 21:22 | | | | | | | PLUG AWAY NO PROBLEMS |
| Pump Displacement | 03/07/2012 21:24 | | 6 | 215.6 | 215.6 | | 600.0 | FRESH WATER PUMPED DISPLACEMENT @ 8 BPM UNTIL CAUGHT PRESSURE, ONCE WE CAUGHT PRESSURE SLOWED RATE TO 6 BPM |
| Slow Rate | 03/07/2012 22:04 | | 2 | 205.6 | 205.6 | | 350.0 | SLOW RATE TO BUMP PLUG |
| Bump Plug | 03/07/2012 22:07 | | 2 | 215.6 | 215.6 | | 900.0 | PSI BEFORE BUMPING PLUG @ 350 BUMPED PLUG UP TO 920 PSI |
| Check Floats | 03/07/2012 22:12 | | | | | | | FLOATS HELD 1 BBL BACK TO DISPLACEMENT TANK |
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
| | | | | Stage | Total | Tubing | Casing | |

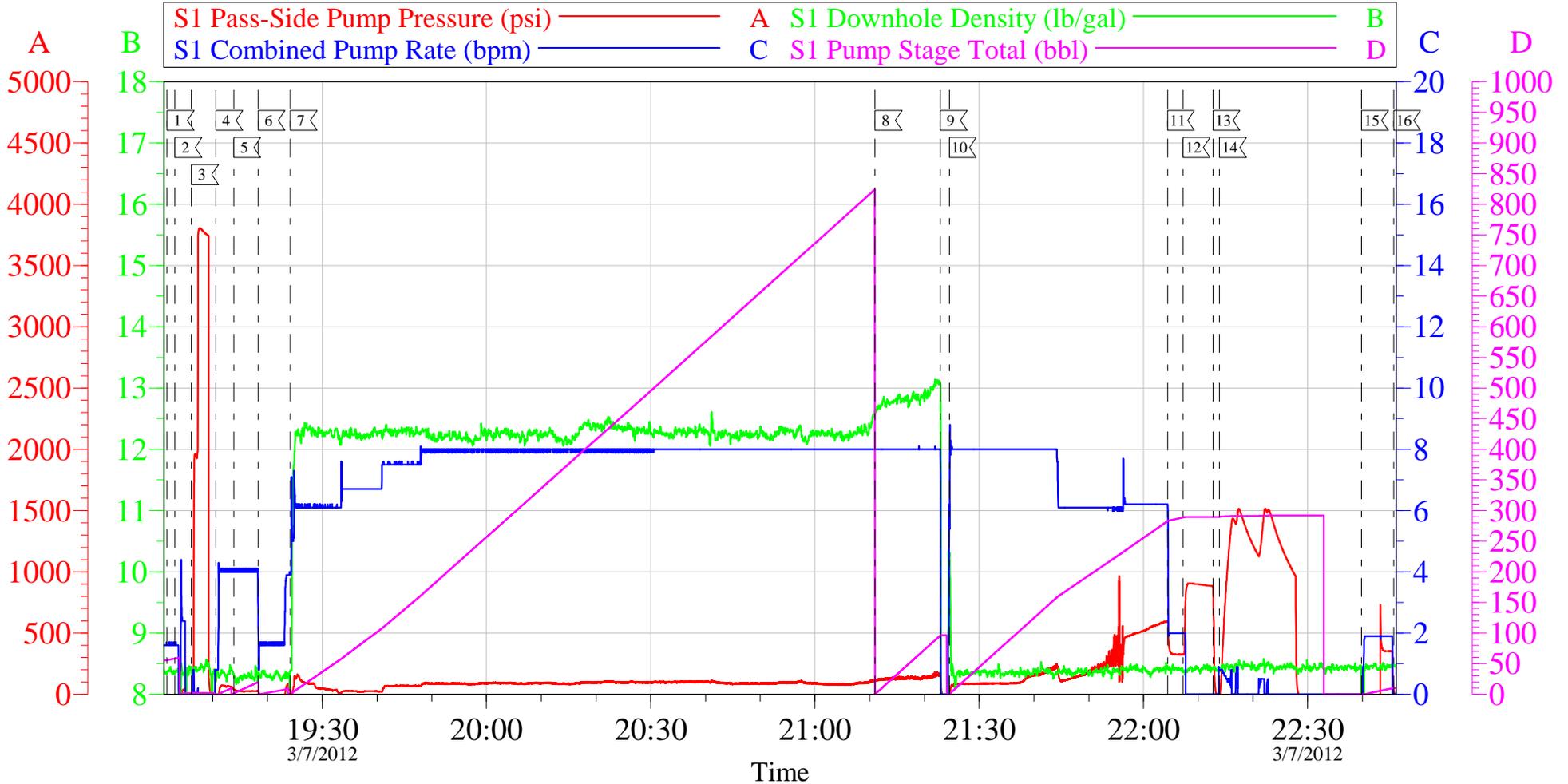
| | | | | | | | | |
|-------------|---------------------|--|-----|-----|-----|-------|------------|---|
| Other | 03/07/2012 22:13 | | | | | | 1500. 0 | PRESSURE TEST CASING TO 1500 PSI FOR 30 MINUTES PRESSURED UP TO 1500 PSI TEST NOT HOLDING. CLEANED PUMPS AND LINES RE TESTED TO 1500 PSI NOT HOLDING PRESSURE TESTED PUMPS AND LINES TO 2 INCH ON WELL HEAD TO 1900 FOR 15 MINUTES PRESSURE TEST GOOD |
| Other | 03/07/2012 22:39 | | | 10 | 10 | 700.0 | | PUMP 10 BBLS SUGAR WATER TO CLEAR PARASITE STRING |
| End Job | 03/07/2012 22:45 | | | | | | | RIG UP CELLAR FOR TOPOUT |
| Start Job | 03/08/2012 00:27 | | | | | | | TOPOUT #1 |
| Other | 03/08/2012 00:27 | | 1 | 1.5 | 1.5 | | | FILL LINES |
| Pump Cement | 03/08/2012 00:29 | | 2.2 | 50 | 50 | 61.0 | | PUMP 143 SKS @ 12.5 PPG 1.97 YIELD 10.96 GAL/SK TOPOUT CEMENT WEIGHT VERIFIED VIA MUD SCALES |
| Other | 03/08/2012 00:51 | | 2.2 | 2 | 2 | | | CLEAR LINES |
| End Job | 03/08/2012 00:52 | | | | | | | NO CEMENT TO SURFACE WAIT 2 HOURS TO PUMP 2ND TOPOUT |
| Start Job | 03/08/2012 03:10 | | | | | | | TOPOUT # 2 |
| Other | 03/08/2012 03:11 | | 1 | 1.5 | 1.5 | | | FILL LINES |
| Pump Cement | 03/08/2012 03:12 | | 2 | 50 | 50 | 60.0 | | PUMP 143 SKS @ 12.5 PPG 1.97 YIELD 10.96 GAL/SK TOPOUT CEMENT WEIGHT VERIFIED VIA MUD SCALES |
| Other | 03/08/2012 03:33 | | 2 | 2 | 2 | | | CLEAR LINES |
| End Job | 03/08/2012 03:34 | | | | | | | NO CEMENT TO SURFACE WAIT 2 HOURS TO PUMP TOPOUT # 3 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|-----------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Start Job | 03/08/2012 05:26 | | | | | | | TOPOUT # 3 |
| Other | 03/08/2012 05:26 | | 1 | 1.5 | 1.5 | | | FILL LINES |
| Pump Cement | 03/08/2012 05:27 | | 2.5 | 20 | 20 | 80.0 | | PUMP 57 SKS @ 12.5 PPG 1.97 YIELD 10.96 GAL/SK TOPOUT CEMENT WEIGHT VERIFIED VIA MUD SCALES |
| Other | 03/08/2012 05:35 | | 2.5 | 2 | 2 | | | CLEAR LINES |
| End Job | 03/08/2012 05:35 | | | | | | | NO CEMENT TO SURFACE. WAIT FOR TOPOUT TRUCK TO ARRIVE ON LOCATION AND RESUME TOPOUT |
| End Job | 03/08/2012 09:44 | | | | | | | |
| Start Job | 03/08/2012 11:12 | | | | | | | TOPOUT #4 |
| Other | 03/08/2012 11:13 | | 1 | 1.5 | 1.5 | | | FILL LINES |
| Pump Cement | 03/08/2012 11:14 | | 2.5 | 39 | 39 | 72.0 | | PUMP 112 SKS @ 12.5 PPG 1.97 YIELD 10.96 GAL/SK CEMENT WEIGHT VERIFIED VIA MUD SCALES RETURNED CEMENT TO SURFACE @ 27 BBS GONE STAGED CEMENT PUMPED TUB EMPTY RETURNED 12 BBS CEMENT TO SURFACE |
| Shutdown | 03/08/2012 11:47 | | | | | | | CEMENT FELL 7 FEET AND REMAINED THERE |
| End Job | 03/08/2012 11:47 | | | | | | | |
| Pre-Rig Down Safety Meeting | 03/08/2012 12:00 | | | | | | | ALL HES EMPLOYEES |
| Rig-Down Equipment | 03/08/2012 12:30 | | | | | | | |
| Pre-Convoy Safety Meeting | 03/08/2012 14:20 | | | | | | | ALL HES EMPLOYEES |
| Activity Description | Date/Time | Cht | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |

| | | # | | Stage | Total | Tubing | Casing | |
|---------------------|---------------------|---|--|-------|-------|--------|--------|--|
| Crew Leave Location | 03/08/2012 14:30 | | | | | | | THANK YOU FOR USING HALLIBURTON DUSTIN SMITH AND CREW |

OXY CC 697-09-04A

9 5/8 SURFACE

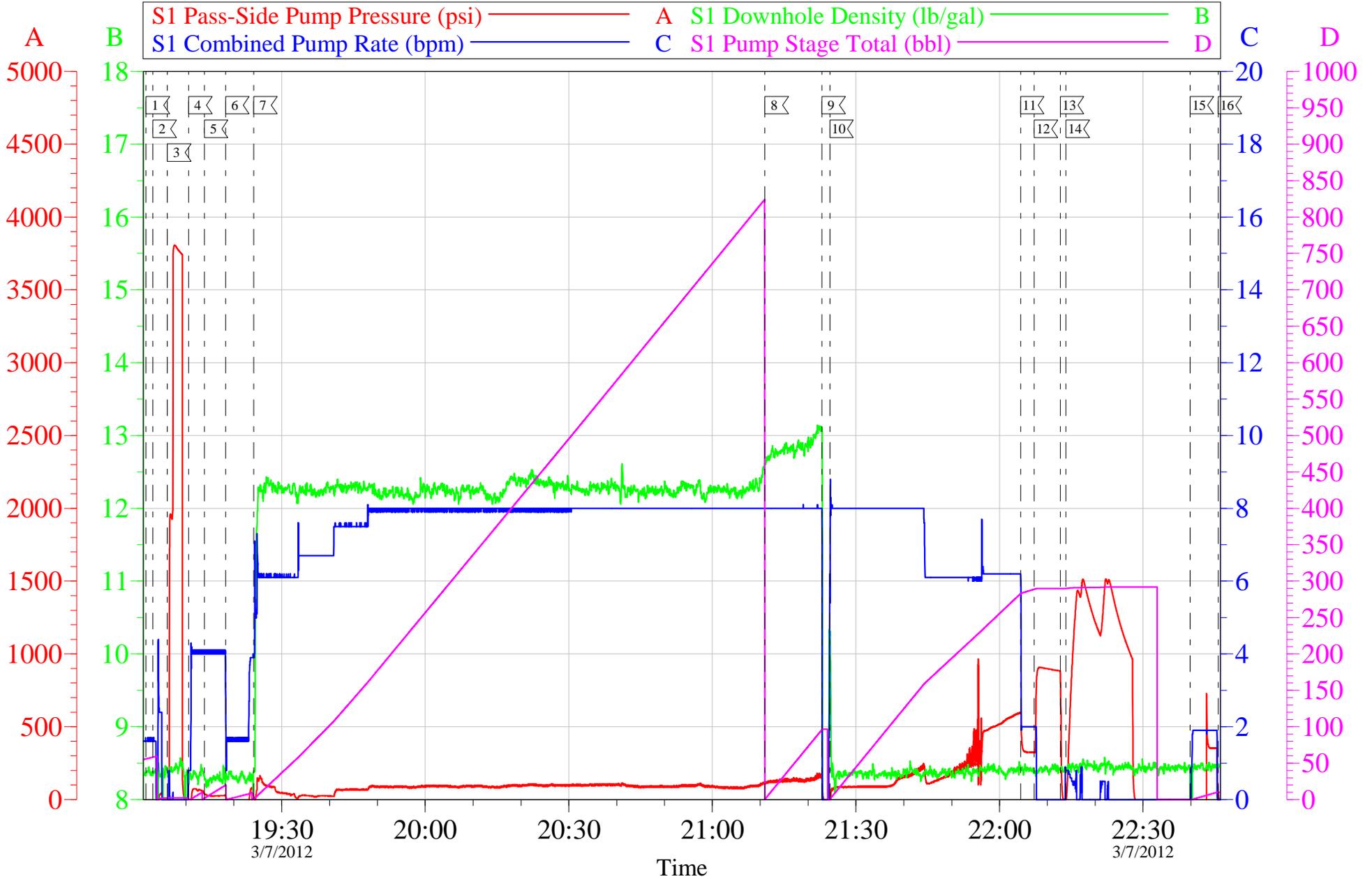


| Local Event Log | | | | | | | | |
|-----------------|-------------------|----------|----|------------------------|----------|----|---------------------|----------|
| 1 | START JOB | 19:01:41 | 2 | FILL LINES | 19:03:06 | 3 | TEST LINES | 19:06:08 |
| 4 | PUMP H2O SPACER | 19:10:35 | 5 | PUMP GELLED H2O SPACER | 19:13:50 | 6 | PUMP H2O SPACER | 19:18:17 |
| 7 | PUMPLEAD CEMENT | 19:24:09 | 8 | PUMP TAIL CEMENT | 21:10:59 | 9 | SHUTDOWN/ DROP PLUG | 21:22:54 |
| 10 | PUMP DISPLACEMENT | 21:24:32 | 11 | SLOW RATE | 22:04:24 | 12 | BUMP PLUG | 22:07:14 |
| 13 | CHECK FLOATS | 22:12:42 | 14 | PRESSURE TEST CASING | 22:13:54 | 15 | CLEAR PARASITE | 22:39:49 |
| 16 | END JOB | 22:45:41 | | | | | | |

| | | |
|---------------------------------|---------------------------------|------------------------|
| Customer: OXY | Job Date: 07-Mar-2012 | Sales Order #: 9334878 |
| Well Description: CC 697-09-04A | Job Type: 9 5/8 SURFACE | ADC Used: YES |
| Company Rep: VICTOR BENEVIDES | Cement Supervisor: DUSTIN SMITH | Elite #: 1 CHRIS KUKUS |

OXY CC 697-09-04A

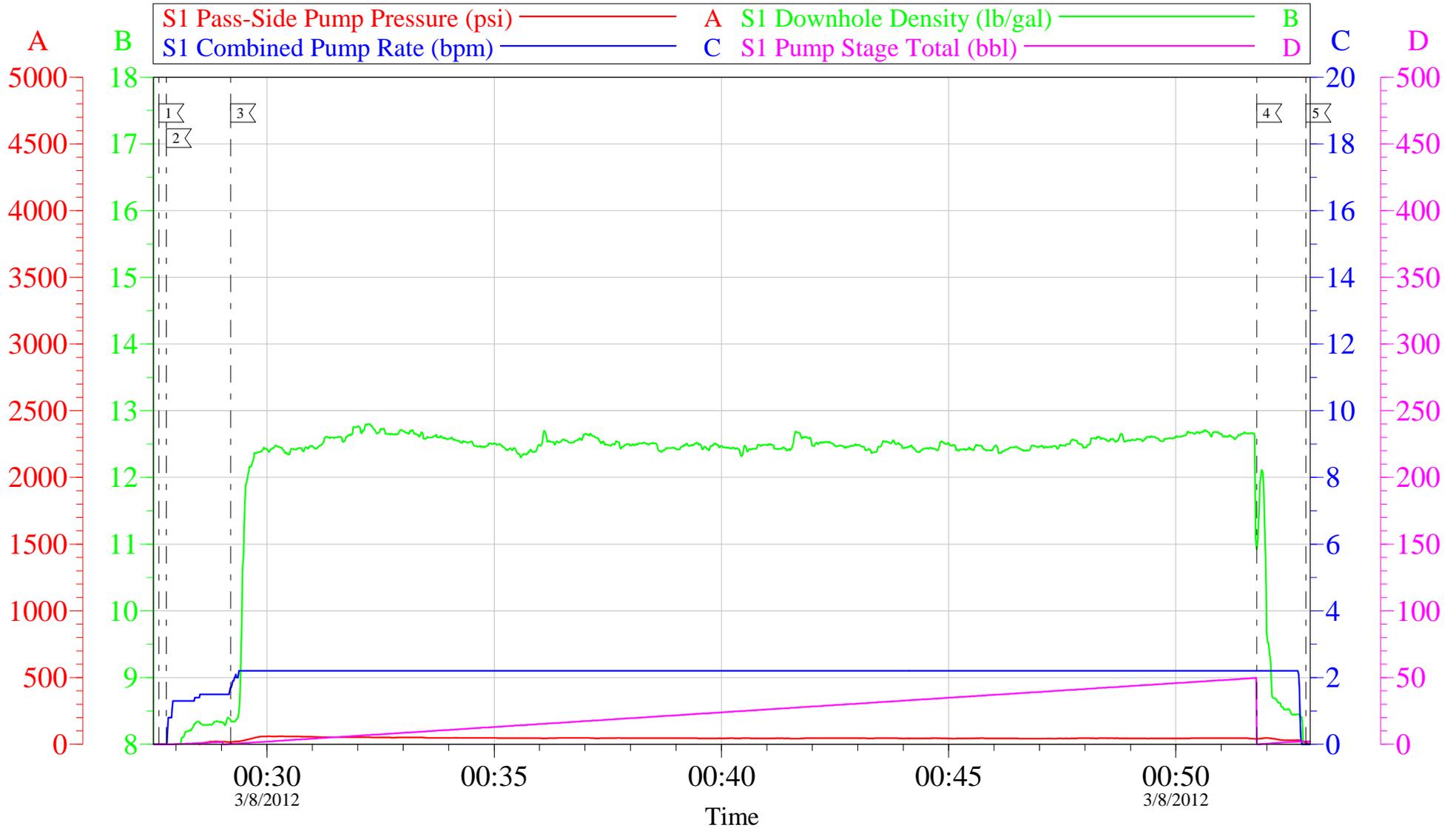
9 5/8 SURFACE



| | | |
|---------------------------------|---------------------------------|------------------------|
| Customer: OXY | Job Date: 07-Mar-2012 | Sales Order #: 9334878 |
| Well Description: CC 697-09-04A | Job Type: 9 5/8 SURFACE | ADC Used: YES |
| Company Rep: VICTOR BENEVIDES | Cement Supervisor: DUSTIN SMITH | Elite #: 1 CHRIS KUKUS |

OXY CC 697-09-04A

TOPOUT #1

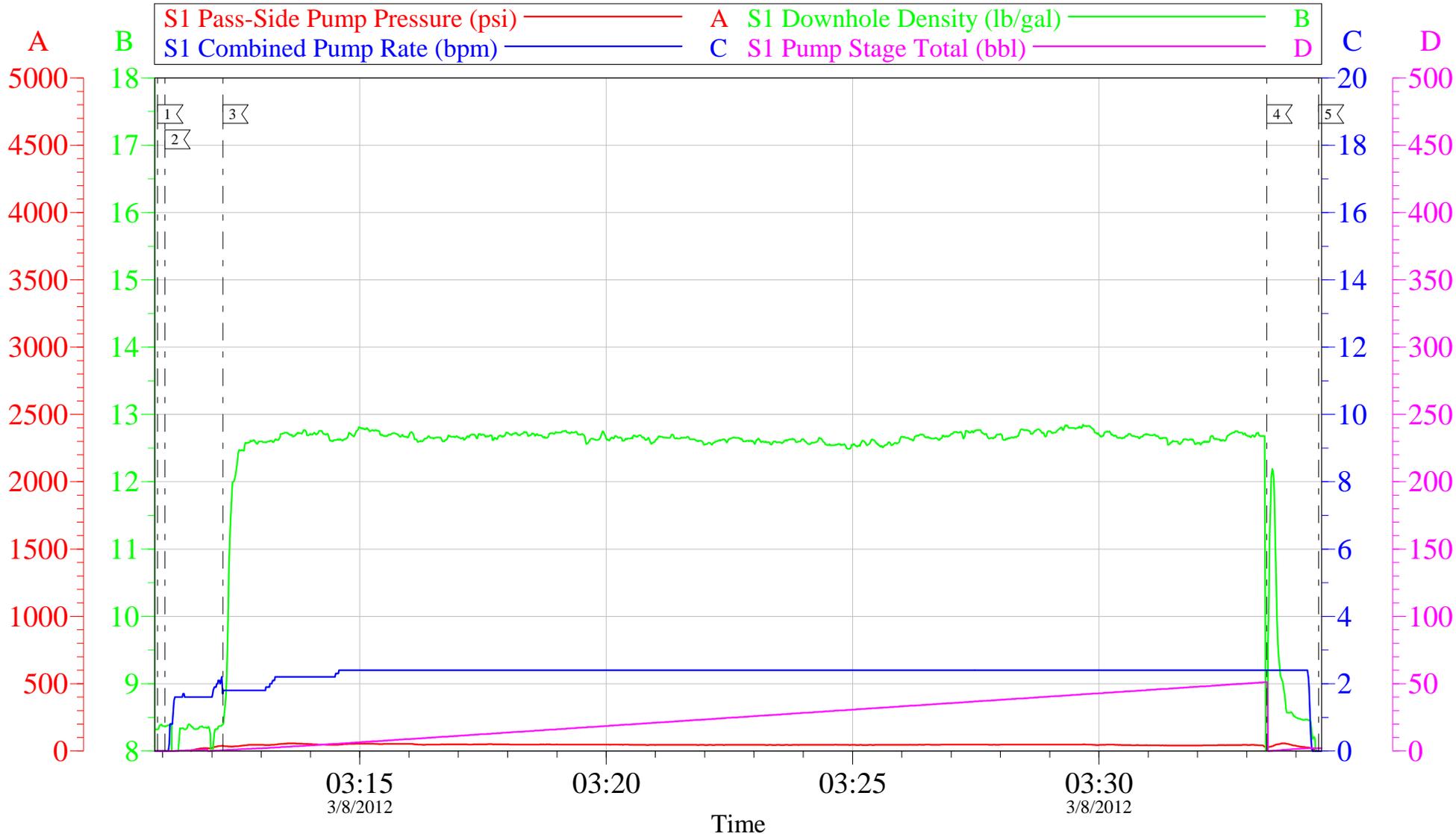


| Local Event Log | | | | | |
|-----------------|--------------------|----------|---|-------------|----------|
| 1 | START JOB | 00:27:37 | 2 | PRIME LINES | 00:27:47 |
| 3 | PUMP TOPOUT CEMENT | 00:29:12 | 4 | CLEAR LINES | 00:51:47 |
| 5 | END JOB | 00:52:52 | | | |

| | | | | | |
|-------------------|------------------|--------------------|--------------|----------------|---------------|
| Customer: | OXY | Job Date: | 08-Mar-2012 | Sales Order #: | 9334878 |
| Well Description: | CC 697-09-04A | Job Type: | TOPOUT #1 | ADC Used: | YES |
| Company Rep: | VICTOR BENEVIDES | Cement Supervisor: | DUSTIN SMITH | Elite #: | 1 CHRIS KUKUS |

OXY CC 697-09-04A

TOPOUT # 2

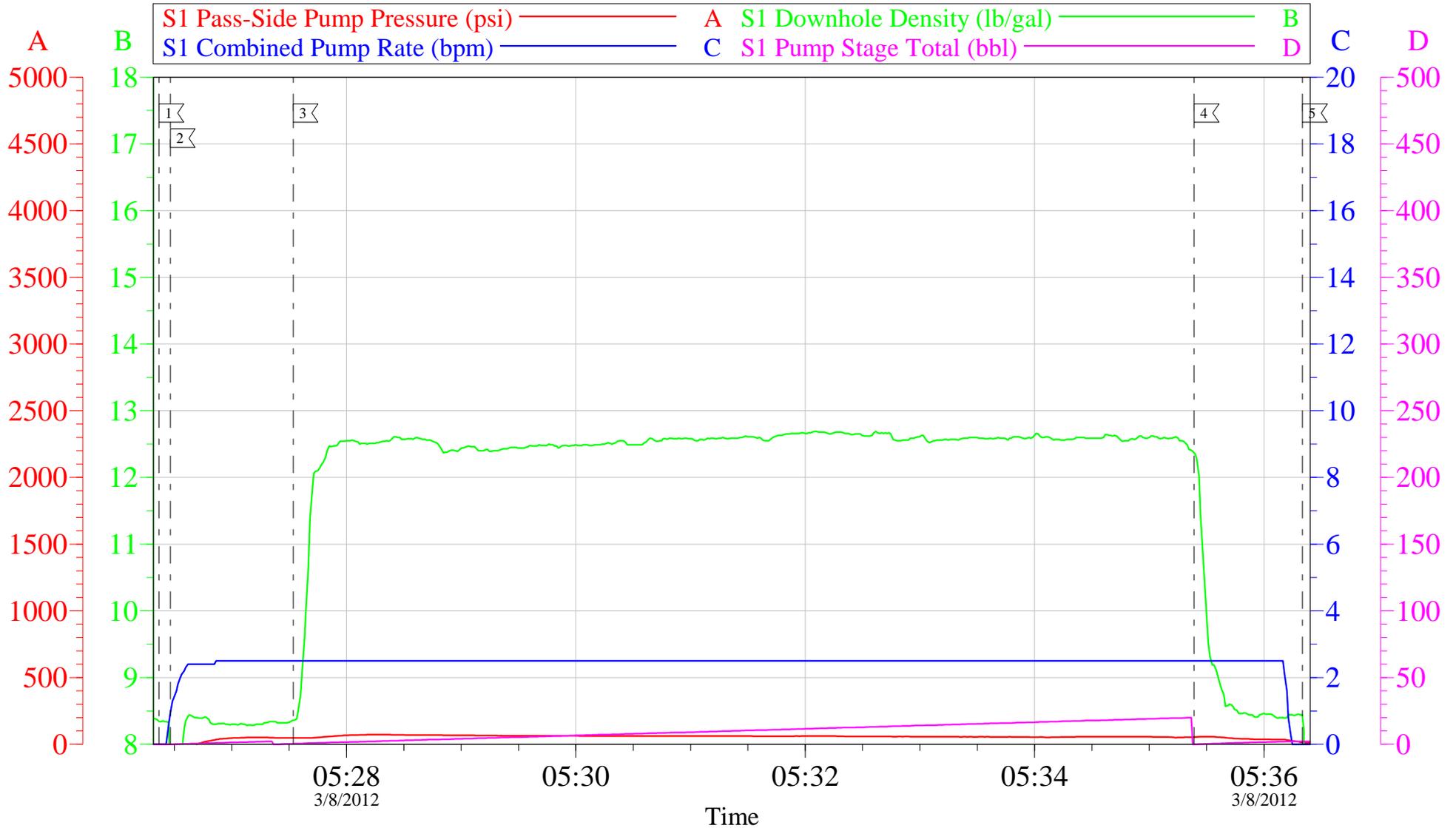


| Local Event Log | | | | | |
|-----------------|--------------------|----------|---|-------------|----------|
| 1 | START JOB | 03:10:54 | 2 | PRIME LINES | 03:11:03 |
| 3 | PUMP TOPOUT CEMENT | 03:12:13 | 4 | CLEAR LINES | 03:33:25 |
| 5 | END JOB | 03:34:27 | | | |

| | | |
|---------------------------------|---------------------------------|------------------------|
| Customer: OXY | Job Date: 08-Mar-2012 | Sales Order #: 9334878 |
| Well Description: CC 697-09-04A | Job Type: TOPOUT@ 2 | ADC Used: YES |
| Company Rep: VICTOR BENEVIDES | Cement Supervisor: DUSTIN SMITH | Elite #: 1 CHRIS KUKUS |

OXY CC 697-09-04A

TOPOUT # 3

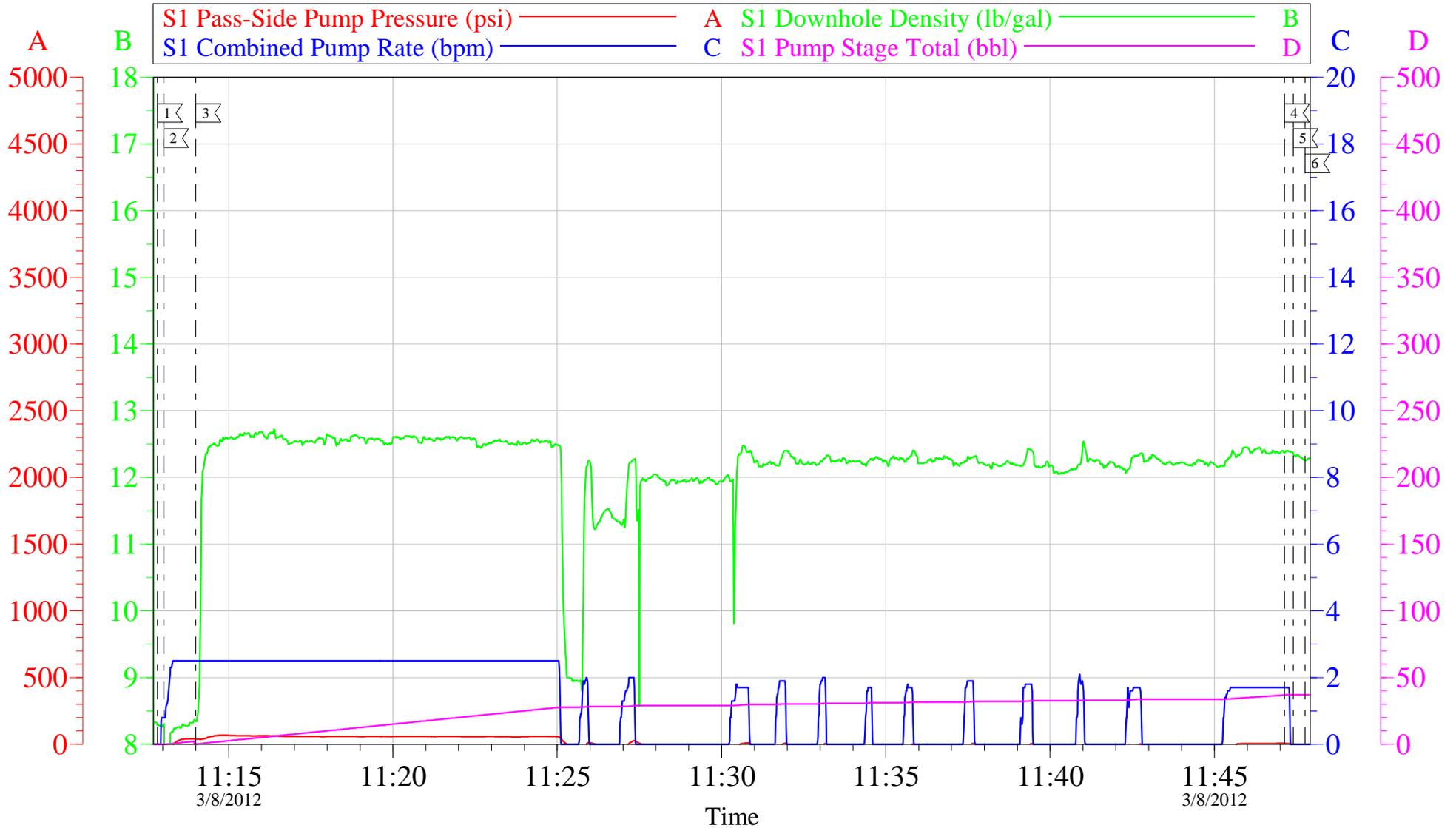


| | | | | | | | | |
|---|-------------|----------|---|-------------|----------|---|--------------------|----------|
| 1 | START JOB | 05:26:22 | 2 | PRIME LINES | 05:26:28 | 3 | PUMP TOPOUT CEMENT | 05:27:32 |
| 4 | CLEAR LINES | 05:35:23 | 5 | END JOB | 05:36:20 | | | |

| | | |
|---------------------------------|---------------------------------|------------------------|
| Customer: OXY | Job Date: 08-Mar-2012 | Sales Order #: 9334878 |
| Well Description: CC 697-09-04A | Job Type: TOPOUT # 3 | ADC Used: YES |
| Company Rep: VICTOR BENEVIDES | Cement Supervisor: DUSTIN SMITH | Elite #: 1 CHRIS KUKUS |

OXY CC 697-09-04A

TOPOUT # 4



| Local Event Log | | | | | | | | |
|-----------------|---------|----------|---|------------|----------|---|------------------|----------|
| 1 | START | 11:12:50 | 2 | FILL LINES | 11:13:01 | 3 | PUMP TAIL CEMENT | 11:14:00 |
| 4 | END JOB | 11:47:08 | 5 | SHUTDOWN | 11:47:24 | 6 | END JOB | 11:47:45 |

| | | |
|---------------------------------|---------------------------------|------------------------|
| Customer: OXY | Job Date: 08-Mar-2012 | Sales Order #: 9334878 |
| Well Description: CC 697-09-04A | Job Type: TOPOUT# 4 | ADC Used: YES |
| Company Rep: VICTOR BENEVIDES | Cement Supervisor: DUSTIN SMITH | Elite #: 1 CHRIS KUKUS |

HALLIBURTON

Water Analysis Report

Company: OXY

Date: 3/7/2012

Submitted by: DUSTIN SMITH

Date Rec.: 3/7/2012

Attention: J. TROUT/C.MARTINEZ

S.O.# 9334878

Lease CC

Job Type: SURFACE

Well # 697-09-04A

| | | |
|-----------------------------|--------------|-------------------------|
| Specific Gravity | <i>MAX</i> | 1 |
| pH | <i>8</i> | 7 |
| Potassium (K) | <i>5000</i> | 400 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> | 68 Deg |
| Total Dissolved Solids | | 590 Mg / L |

Respectfully: DUSTIN SMITH

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 #: 9334878 | Line Item: 10 | Survey Conducted Date: 3/8/2012 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: VICTOR BENEVIDES | | API / UWI: (leave blank if unknown) 05-045-20727 |
| Well Name: Cascade Creek | | Well Number: 697-09-04A |
| Well Type: Development Well | Well Country: United States of America | |
| H2S Present: No | 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 | 3/8/2012 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | DUSTIN SMITH (HX37079) |
| Customer Participation | Did the customer participate in this survey? (Y/N) | Yes |
| Customer Representative | Enter the Customer representative name | VICTOR BENEVIDES |
| 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 #: 9334878 | Line Item: 10 | Survey Conducted Date: 3/8/2012 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: VICTOR BENEVIDES | | API / UWI: (leave blank if unknown) 05-045-20727 |
| Well Name: Cascade Creek | | Well Number: 697-09-04A |
| Well Type: Development Well | Well Country: United States of America | |
| H2S Present: No | Well State: Colorado | Well County: Garfield |

KEY PERFORMANCE INDICATORS

| General | |
|-----------------------------------|----------|
| Survey Conducted Date | 3/8/2012 |
| The date the survey was conducted | |

| Cementing KPI Survey | |
|---|-------------------------|
| Type of Job | 0 |
| Select the type of job. (Cementing or Non-Cementing) | |
| Select the Maximum Deviation range for this Job | Vertical |
| What is the highest deviation for the job you just completed? This may not be the maximum well deviation. | |
| Total Operating Time (hours) | 9 |
| Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format. | |
| HSE Incident, Accident, Injury | No |
| HSE Incident, Accident, Injury. This should be recordable incidents only. | |
| Was the job purpose achieved? | Yes |
| Was the job delivered correctly as per customer agreed design? | |
| Operating Hours (Pumping Hours) | 5 |
| Total number of hours pumping fluid on this job. Enter in decimal format. | |
| Customer Non-Productive Rig Time (hrs) | 0 |
| 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. | |
| Type of Rig Classification Job Was Performed | Drilling Rig (Portable) |
| Type Of Rig (classification) Job Was Performed On | |
| Number Of JSAs Performed | 7 |
| Number Of Jsas Performed | |
| Number of Unplanned Shutdowns | 0 |
| Unplanned shutdown is when injection stops for any period of time. | |
| Was this a Primary Cement Job (Yes / No) | Yes |

| | | |
|---|--|--|
| Sales Order #: 9334878 | Line Item: 10 | Survey Conducted Date: 3/8/2012 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: VICTOR BENEVIDES | | API / UWI: (leave blank if unknown) 05-045-20727 |
| Well Name: Cascade Creek | | Well Number: 697-09-04A |
| Well Type: Development Well | Well Country: United States of America | |
| H2S Present: No | 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 | 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 |