

---

# **OXY GRAND JUNCTION EBUSINESS**

---

**CC 697-04-57B**

**Garfield County , Colorado**

## **Cement Surface Casing**

**02-Mar-2012**

## **Post Job Report**

## The Road to Excellence Starts with Safety

|  |                                    |                         |                        |
|--|------------------------------------|-------------------------|------------------------|
| Sold To #: 344034                      | Ship To #: 344034                  | Quote #:                | Sales Order #: 9107197 |
| Customer: OXY GRAND JUNCTION EBUSINESS | Customer Rep: Benevides, Victor    |                         |                        |
| Well Name: CC                          | Well #: 697-04-57B                 | API/UWI #:              |                        |
| Field:                                 | City (SAP): DeBeque                | County/Parish: Garfield | State: Colorado        |
| Contractor: H&P 330                    | 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           | Srv Supervisor: SMITH, CHRISTOPHER | MBU ID Emp #: 452619    |                        |

### Job Personnel

| HES Emp Name       | Exp Hrs | Emp #  | HES Emp Name               | Exp Hrs | Emp #  | HES Emp Name             | Exp Hrs | Emp #  |
|--------------------|---------|--------|----------------------------|---------|--------|--------------------------|---------|--------|
| Courtney, Trevor   | 14      | 509351 | SALAZAR, PAUL Omar         | 14      | 445614 | SMITH, CHRISTOPHER Scott | 14      | 452619 |
| VANALSTYNE, TROY L | 14      | 420256 | WALPOLE, DARREN Livingston | 14      | 485294 |                          |         |        |

### Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10248065   | 60 mile        | 10867423   | 60 mile        | 10897887   | 60 mile        | 11259884   | 60 mile        |
| 11360871   | 60 mile        | 11542767   | 60 mile        |            |                |            |                |

### Job Hours

| Date       | On Location Hours | Operating Hours | Date       | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|------------|-------------------|-----------------|------------|-------------------|-----------------|------|-------------------|-----------------|
| 03.01.2012 | 7.5               | 2               | 03.02.2012 | 7.5               | 6               |      |                   |                 |

**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 - Mar - 2012 | 08:30 | MST       |
| Form Type              | BHST    |                   | Job Started   | 01 - Mar - 2012 | 16:30 | MST       |
| Job depth MD           | 2766. m | Job Depth TVD     | Job Completed | 01 - Mar - 2012 | 22:15 | MST       |
| Water Depth            |         | Wk Ht Above Floor | Departed Loc  | 02 - Mar - 2012 | 05:20 | GMT       |
| Perforation Depth (MD) | From    | To                |               | 02 - Mar - 2012 | 07:30 | MST       |

### Well Data

| Description | New / Used | Max pressure MPa | Size mm | ID mm | Weight kg/m | Thread | Grade | Top MD m | Bottom MD m | Top TVD m | Bottom TVD m |
|-------------|------------|------------------|---------|-------|-------------|--------|-------|----------|-------------|-----------|--------------|
|-------------|------------|------------------|---------|-------|-------------|--------|-------|----------|-------------|-----------|--------------|

### Sales/Rental/3<sup>rd</sup> 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       | 9.625 | 1   | HES  |
| Float Shoe   |      |     |      |       | Bridge Plug |      |     |      |       | Bottom Plug    |       |     |      |
| Float Collar |      |     |      |       | Retainer    |      |     |      |       | SSR plug set   |       |     |      |
| Insert Float |      |     |      |       |             |      |     |      |       | Plug Container | 9.625 | 1   | HES  |
| 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 kg/m3 | Yield m3/sk | Mix Fluid m3/tonne | Rate m3/min | Total Mix Fluid m3/tonne |
|-----------------|---------|------------|------------|-----|---------|----------------------|-------------|--------------------|-------------|--------------------------|
|-----------------|---------|------------|------------|-----|---------|----------------------|-------------|--------------------|-------------|--------------------------|

| Stage/Plug #: 1                          |                         |                               |        |                                   |                      |                     |                    |             |                          |
|--|-------------------------|-------------------------------|--------|-----------------------------------|----------------------|---------------------|--------------------|-------------|--------------------------|
| Fluid #                                  | Stage Type              | Fluid Name                    | Qty    | Qty uom                           | Mixing Density kg/m3 | Yield m3/sk         | Mix Fluid m3/tonne | Rate m3/min | Total Mix Fluid m3/tonne |
| 1  | Fresh Water Spacer      |                               | 10.00  | bbl                               | 8.33                 | .0                  | .0                 | 4           |                          |
| 2  | Gel Water Spacer        |                               | 20.00  | bbl                               | 8.4                  | .0                  | .0                 | 4           |                          |
| 0.25 gal/bbl                             |                         | LGC-36 UC, BULK (101582749)   |        |                                   |                      |                     |                    |             |                          |
| 3  | Fresh Water Spacer      |                               | 10.00  | bbl                               | 8.33                 | .0                  | .0                 | 4           |                          |
| 4  | Lead Cement             | VERSACEM (TM) SYSTEM (452010) | 1070.0 | sacks                             | 12.3                 | 2.33                | 12.62              | 6.0         | 12.62                    |
| 12.62 Gal                                |                         | FRESH WATER                   |        |                                   |                      |                     |                    |             |                          |
| 5  | Tail Cement             | VERSACEM (TM) SYSTEM (452010) | 170.0  | sacks                             | 12.8                 | 2.07                | 10.67              | 6.0         | 10.67                    |
| 10.67 Gal                                |                         | FRESH WATER                   |        |                                   |                      |                     |                    |             |                          |
| 6  | Fres Water Displacement |                               | 206.00 | bbl                               | 8.34                 | .0                  | .0                 | 8.0         |                          |
| 7  | Topout Cement           | HALCEM (TM) SYSTEM (452986)   | 129.0  | sacks                             | 12.5                 | 1.97                | 10.96              | 3           | 10.96                    |
| 10.96 Gal                                |                         | FRESH WATER                   |        |                                   |                      |                     |                    |             |                          |
| Calculated Values                        |                         | Pressures                     |        | Volumes                           |                      |                     |                    |             |                          |
| Displacement                             | 206                     | Shut In: Instant              |        | Lost Returns                      |                      | Cement Slurry       | 507                | Pad         |                          |
| Top Of Cement                            | SURFACE                 | 5 Min                         |        | Cement Returns                    | 10                   | Actual Displacement | 206                | Treatment   |                          |
| Frac Gradient                            |                         | 15 Min                        |        | Spacers                           | 40                   | Load and Breakdown  |                    | Total Job   | 753                      |
| <b>Rates</b>                             |                         |                               |        |                                   |                      |                     |                    |             |                          |
| Circulating                              | RIG                     | Mixing                        | 6      | Displacement                      | 8                    | Avg. Job            | 7                  |             |                          |
| Cement Left In Pipe                      | Amount                  | 46.87 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*

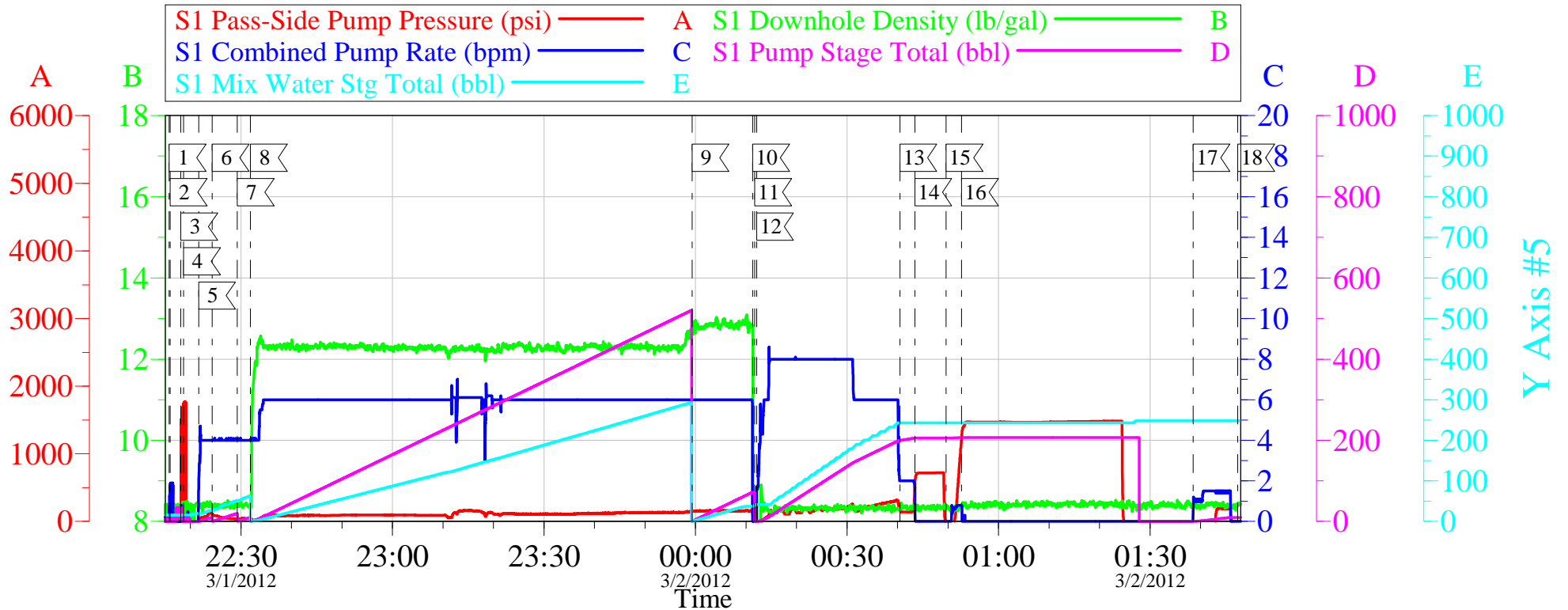
|   |  |                            |  |  |  |                               |                        |
|---|--|----------------------------|--|--|--|-------------------------------|------------------------|
| <b>Sold To #:</b> 344034                        |  | <b>Ship To #:</b> 344034   |  | <b>Quote #:</b>                                  |  | <b>Sales Order #:</b> 9107197 |                        |
| <b>Customer:</b> OXY GRAND JUNCTION EBUSINESS   |  |                            |  | <b>Customer Rep:</b> Benevides, Victor           |  |                               |                        |
| <b>Well Name:</b> CC                            |  |                            | <b>Well #:</b> 697-04-57B                  |  |  | <b>API/UWI #:</b>             |                        |
| <b>Field:</b>                                   |  | <b>City (SAP):</b> DeBeque |  | <b>County/Parish:</b> Garfield                   |  |                               | <b>State:</b> Colorado |
| <b>Legal Description:</b>                       |  |                            |  |  |  |                               |                        |
| <b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs. |  |                            |  | <b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs. |  |                               |                        |
| <b>Contractor:</b> H&P 330                      |  |                            | <b>Rig/Platform Name/Num:</b> H&P 330      |  |  |                               |                        |
| <b>Job Purpose:</b> Cement Surface Casing       |  |                            |  |  |  | <b>Ticket Amount:</b>         |                        |
| <b>Well Type:</b> Development Well              |  |                            | <b>Job Type:</b> Cement Surface Casing     |  |  |                               |                        |
| <b>Sales Person:</b> HIMES, JEFFREY             |  |                            | <b>Srvc Supervisor:</b> SMITH, CHRISTOPHER |  |  | <b>MBU ID Emp #:</b> 452619   |                        |

| Activity Description                  | Date/Time        | Cht # | Rate m3/min | Volume m3 |       | Pressure MPa |        | Comments   |
|---------------------------------------|------------------|-------|-------------|-----------|-------|--------------|--------|--|
|                                       |                  |       |             | Stage     | Total | Tubing       | Casing |  |
| Crew Leave Yard                       | 03/01/2012 11:30 |       |             |           |       |              |        |  |
| Pre-Convoy Safety Meeting             | 03/01/2012 11:50 |       |             |           |       |              |        | ALL HES PERSONEL   |
| Arrive At Loc                         | 03/01/2012 16:30 |       |             |           |       |              |        | RIG RUNNING CASEING.   |
| Assessment Of Location Safety Meeting | 03/01/2012 17:00 |       |             |           |       |              |        | ALL HES PERSONEL   |
| Rig-Up Equipment                      | 03/01/2012 21:00 |       |             |           |       |              |        |  |
| Pre-Job Safety Meeting                | 03/01/2012 22:00 |       |             |           |       |              |        | ALL HES PERSONEL AND RIG CREW  |
| Start Job                             | 03/01/2012 22:15 |       |             |           |       |              |        | TD 2766', TP 2716', SJ 46.87', OH 14.75", CSG 9.625" 36# J-55 , MUD 9.3 PPG. |
| Other                                 | 03/01/2012 22:15 |       | 2           | 2         |       |              | 38.0   | FILL LINES   |
| Pressure Test                         | 03/01/2012 22:18 |       | 0.5         | 0.5       |       |              |        | ALL LINES HELD PRESSURE @ 1900 PSI   |
| Pump Spacer 1                         | 03/01/2012 22:21 |       | 4           | 10        |       |              | 40.0   | FRESH WATER  |
| Pump Spacer 2                         | 03/01/2012 22:24 |       | 4           | 20        |       |              | 60.0   | LGC SPACER   |
| Pump Spacer 1                         | 03/01/2012 22:29 |       | 4           | 10        |       |              | 40.0   | FRESH WATER  |
| Pump Lead Cement                      | 03/01/2012 22:31 |       | 6           | 444       |       |              | 190.0  | 1070 SKS, 12.3 PPG, 2.33 FT3/SK, 12.62 GAL/SK, SET UP TIME 3:59 @ 70 BC.     |
| Pump Tail Cement                      | 03/01/2012 23:59 |       | 6           | 63        |       |              | 190.0  | 170 SKS, 12.8 PPG, 2.07 FT3/ SK, 11.67 GAL/SK, SET UP TIME 2:16 @ 70 BC      |

| Activity Description                   | Date/Time        | Cht # | Rate m3/min | Volume m3 |       | Pressure MPa |        | Comments   |
|--|------------------|-------|-------------|-----------|-------|--------------|--------|--|
|  |                  |       |             | Stage     | Total | Tubing       | Casing |  |
| Drop Top Plug                          | 03/02/2012 00:11 |       |             |           |       |              |        |  |
| Shutdown                               | 03/02/2012 00:11 |       |             |           |       |              |        |  |
| Pump Displacement                      | 03/02/2012 00:12 |       | 8           | 196       |       |              | 330.0  | FRESH WATER  |
| Slow Rate                              | 03/02/2012 00:40 |       | 2           | 10        |       |              | 180.0  |  |
| Bump Plug                              | 03/02/2012 00:43 |       |             |           |       |              | 750.0  | PLUG BUMPED  |
| Check Floats                           | 03/02/2012 00:49 |       |             |           |       |              |        | FLOATS HELD  |
| Other                                  | 03/02/2012 00:52 |       | 0.5         | 0.5       |       |              | 1500.0 | PRESSURE TEST CASEING, HELD PRESSURE FOR 30 MIN.   |
| Other                                  | 03/02/2012 01:38 |       | 2           | 10        |       |              | 120.0  | PUMP DOWN PARASITE WITH SUGAR WATER  |
| Other                                  | 03/02/2012 02:51 |       | 2           | 2         |       |              | .0     | FILL LINES   |
| Pump Cement                            | 03/02/2012 02:55 |       | 3           | 46        |       |              | 115.0  | TOP OUT, 129 SKS, 12.5 PPG, 1.97 FT3/SK, 10.96 GAL/SK, SET UP TIME 02:23 @ 70 BC.                    |
| Clean Lines                            | 03/02/2012 03:19 |       | 3           | 3         |       |              | 30.0   | 10 BBLS OF CMT TO SURFACE  |
| End Job                                | 03/02/2012 05:20 |       |             |           |       |              |        | NO CIRCULATION DURING SURFACE JOB, 10 BBLS OF CEMENT TO SURFACE ON TOP OUT, JOB WAS PUMPED OFF LINE. |
| Post-Job Safety Meeting (Pre Rig-Down) | 03/02/2012 05:30 |       |             |           |       |              |        | ALL HES PERSONEL   |
| Rig-Down Completed                     | 03/02/2012 07:00 |       |             |           |       |              |        |  |
| Depart Location Safety Meeting         | 03/02/2012 07:20 |       |             |           |       |              |        | ALL HES PERSONEL   |
| Crew Leave Location                    | 03/02/2012 07:30 |       |             |           |       |              |        |  |
| Other                                  | 03/02/2012 07:31 |       |             |           |       |              |        | THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW   |

# OXY - CC 697-04-57B

9.625 SURFACE



## Local Event Log

|                       |                   |                        |                   |
|-----------------------|-------------------|------------------------|-------------------|
| 1 START JOB           | 3/1/2012 22:15:47 | 2 FILL LINES           | 3/1/2012 22:15:59 |
| 3 PRESSURE TEST (LOW) | 3/1/2012 22:18:05 | 4 PRESSURE TEST (HIGH) | 3/1/2012 22:18:38 |
| 5 H2O SPACER          | 3/1/2012 22:21:37 | 6 LGC SPACER           | 3/1/2012 22:24:19 |
| 7 H2O SPACER          | 3/1/2012 22:29:17 | 8 LEAD CEMENT          | 3/1/2012 22:31:54 |
| 9 TAIL CEMENT         | 3/1/2012 23:59:20 | 10 SHUTDOWN            | 3/2/2012 00:11:20 |
| 11 DROP PLUG          | 3/2/2012 00:11:45 | 12 H2O DISPLACEMENT    | 3/2/2012 00:12:07 |
| 13 SLOW RATE          | 3/2/2012 00:40:30 | 14 BUMP PLUG           | 3/2/2012 00:43:26 |
| 15 CHECK FLOATS       | 3/2/2012 00:49:37 | 16 PRESSURE TEST CSG   | 3/2/2012 00:52:42 |
| 17 SUGAR WATER        | 3/2/2012 01:38:33 | 18 SHUTDOWN            | 3/2/2012 01:47:23 |

Customer: OXY GRAND JUNCTION EBUSINESS  
Well Description: CC 697-04-65A  
Company Rep:

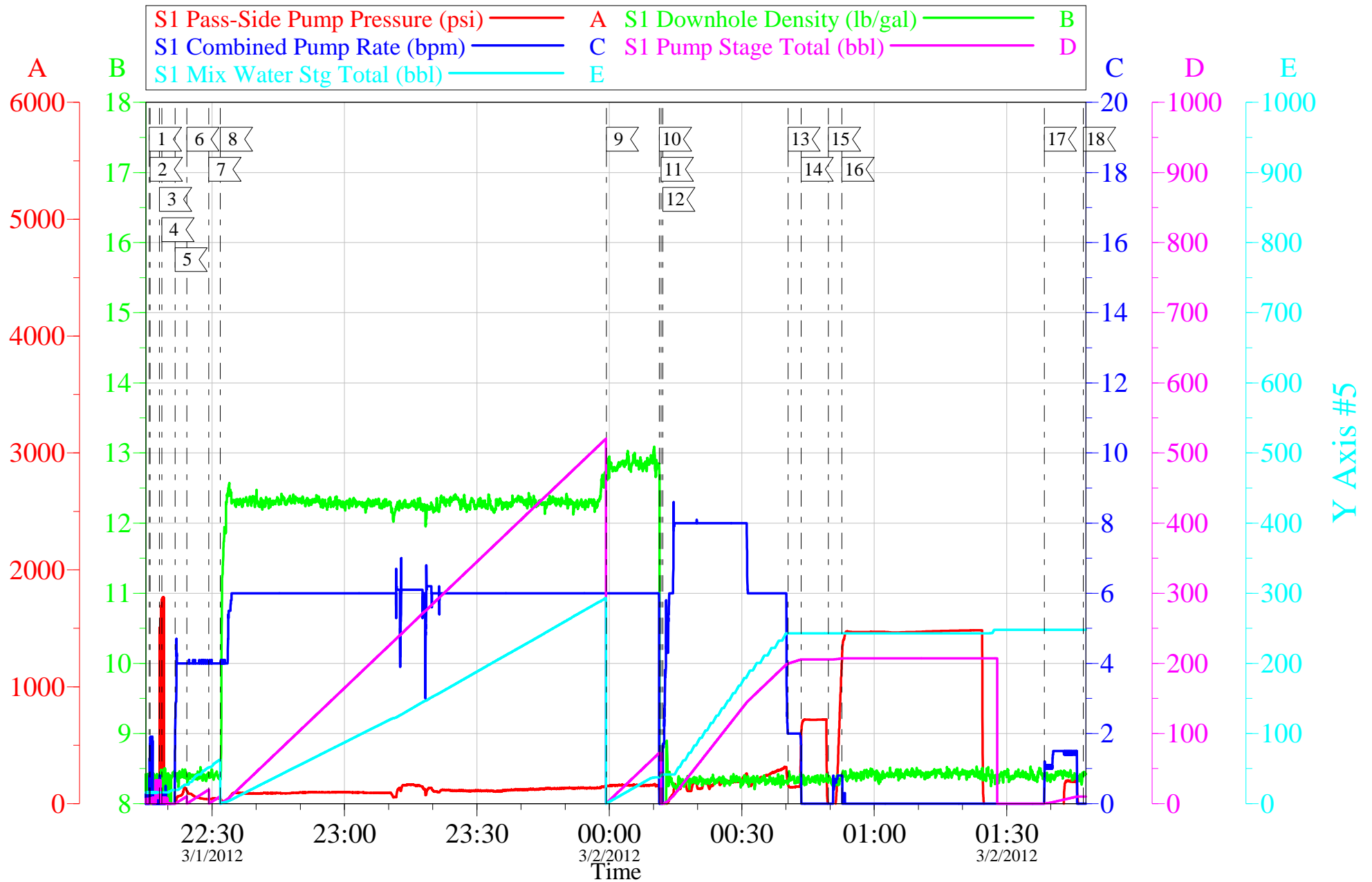
Job Date: 01-Mar-2012  
Job Type: SURFACE  
Cement Supervisor: C.SMITH

Sales Order #: 9107197  
ADC Used: YES  
Elite #1: P.SALAZAR

OptiCem v6.4.10  
02-Mar-12 02:23

# OXY - CC 697-04-57B

9.625 SURFACE



Customer: OXY GRAND JUNCTION EBUSINESS  
Well Description: CC 697-04-65A  
Company Rep:

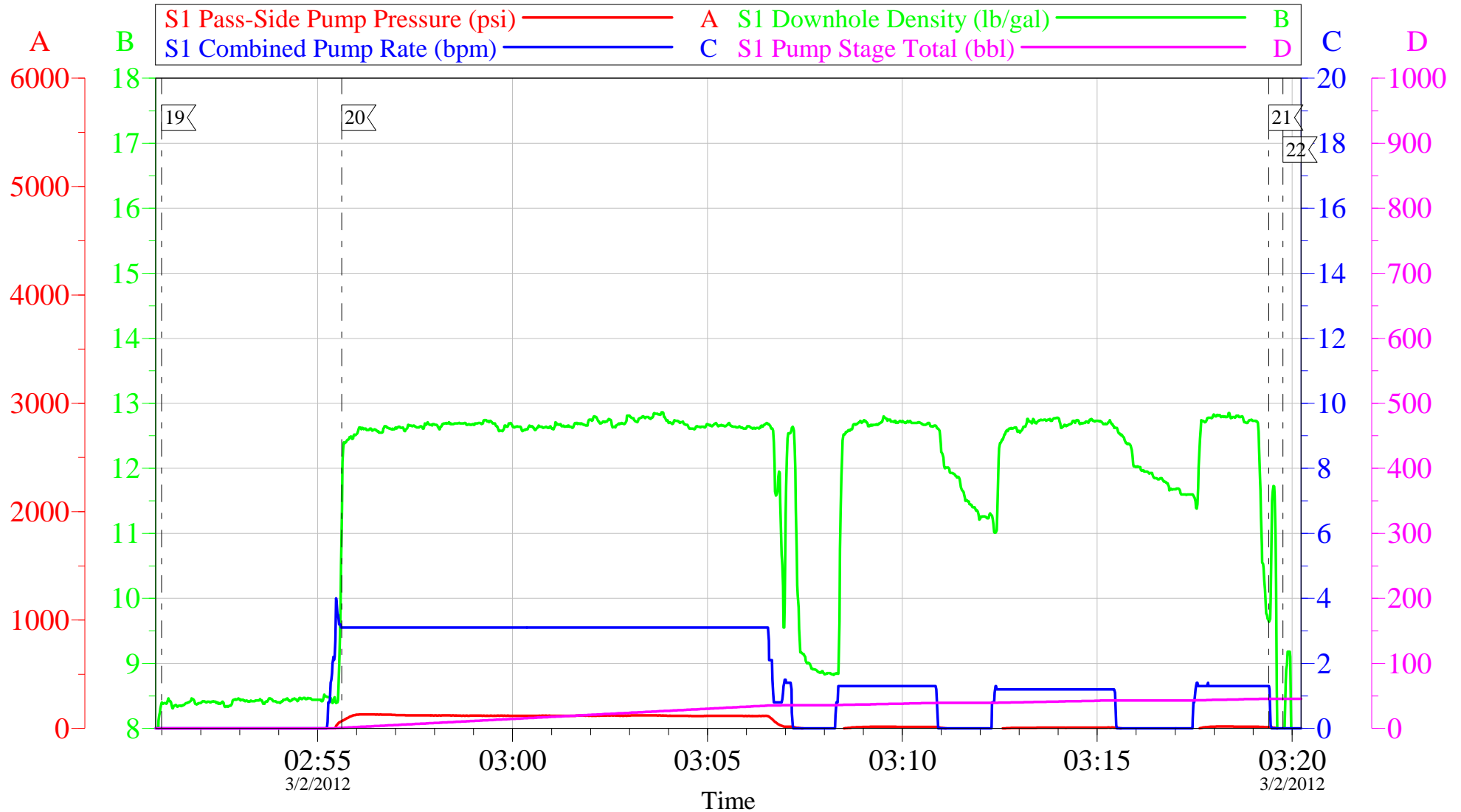
Job Date: 01-Mar-2012  
Job Type: SURFACE  
Cement Supervisor: C.SMITH

Sales Order #: 9107197  
ADC Used: YES  
Elite #1: P.SALAZAR

OptiCem v6.4.10  
02-Mar-12 02:23

# OXY - CC 697-04-57B

TOP OUT #1



## Local Event Log

|    |            |          |    |                |          |
|----|------------|----------|----|----------------|----------|
| 19 | FILL LINES | 02:51:00 | 20 | TOP OUT CEMENT | 02:55:37 |
| 21 | SHUTDOWN   | 03:19:24 | 22 | CLEAN LINES    | 03:19:46 |

Customer: OXY GRAND JUNCTION EBUSINESS  
Well Description: CC 697-04-65A  
Company Rep:

Job Date: 01-Mar-2012  
Job Type: SURFACE  
Cement Supervisor: C.SMITH

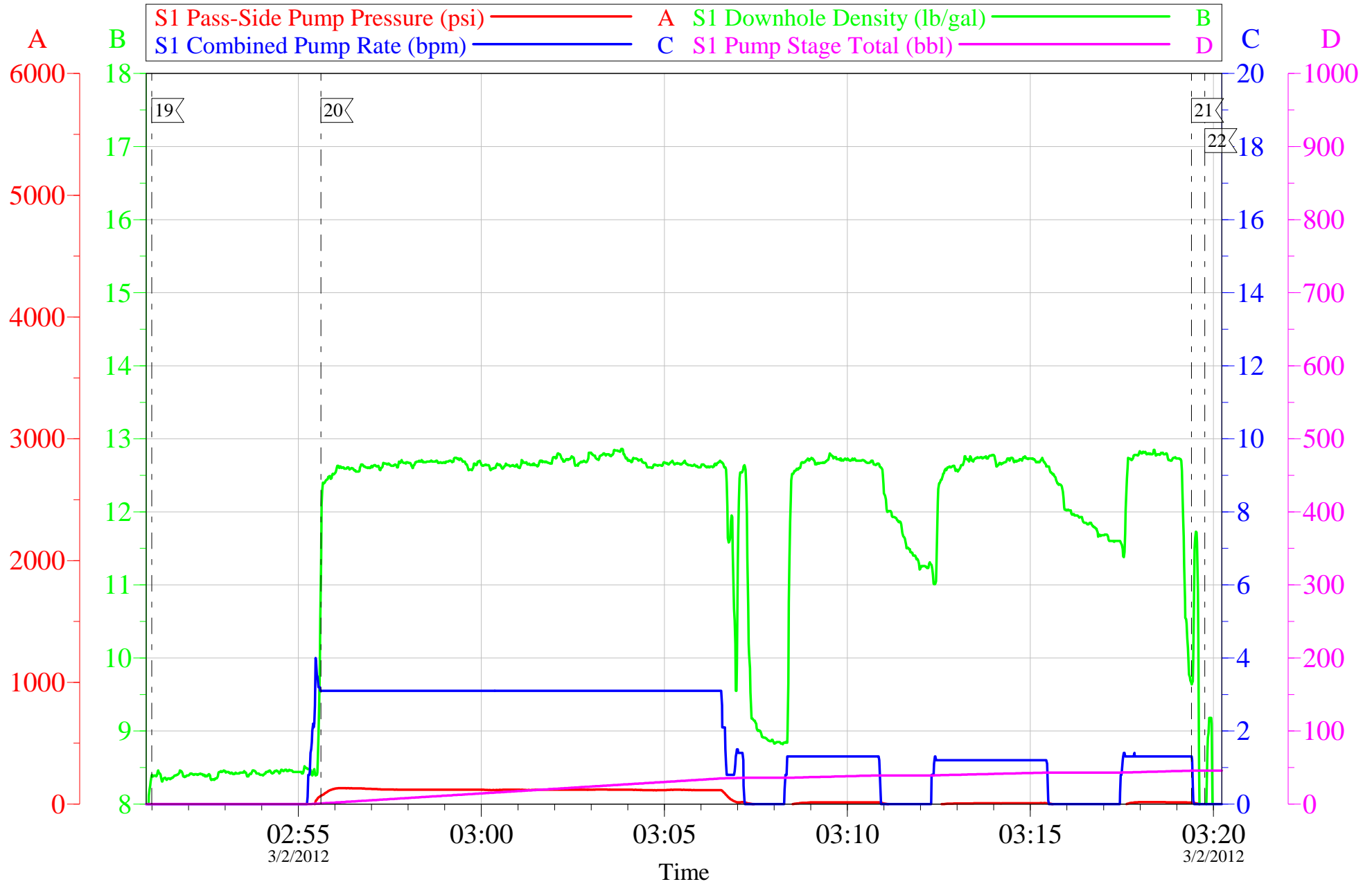
Sales Order #: 9107197  
ADC Used: YES  
Elite #1: P.SALAZAR

OptiCem v6.4.10  
02-Mar-12 03:32



# OXY - CC 697-04-57B

TOP OUT #1



Customer: OXY GRAND JUNCTION EBUSINESS  
Well Description: CC 697-04-65A  
Company Rep:

Job Date: 01-Mar-2012  
Job Type: SURFACE  
Cement Supervisor: C.SMITH

Sales Order #: 9107197  
ADC Used: YES  
Elite #1: P.SALAZAR

OptiCem v6.4.10  
02-Mar-12 03:33

# HALLIBURTON

## Water Analysis Report

Company: WILLIAMS  
Submitted by: CHRIS SMITH  
Attention: J.Trout  
Lease: CC  
Well #: 697-04-57B

Date: 03.01.2012  
Date Rec.: 03.01.2012  
S.O.#: 9107197  
Job Type: PRODUCTION

|                             |       |            |
|-----------------------------|-------|------------|
| Specific Gravity            | MAX   | 1          |
| pH                          | 8     | 6.8        |
| Potassium (K)               | 5000  | 250 Mg / L |
| Calcium (Ca)                | 500   | 120 Mg / L |
| Iron (FE2)                  | 300   | 3 Mg / L   |
| Chlorides (Cl)              | 3000  | 0 Mg / L   |
| Sulfates (SO <sub>4</sub> ) | 1500  | 200 Mg / L |
| Chlorine (Cl <sub>2</sub> ) |       | 0 Mg / L   |
| Temp                        | 40-80 | 50 Deg     |
| Total Dissolved Solids      |       | 490 Mg / L |

Respectfully: CHRIS 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 use.

|   |  |   |
|---|--|---|
| <b>Sales Order #:</b><br>9107197                    | <b>Line Item:</b><br>10                          | <b>Survey Conducted Date:</b><br>3/2/2012                         |
| <b>Customer:</b><br>OXY GRAND JUNCTION EBUSINESS    |  | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM                  |
| <b>Customer Representative:</b><br>VICTOR BENEVIDES |  | <b>API / UWI: (leave blank if unknown)</b><br>AFEYSKF3K5JQKDYBAAA |
| <b>Well Name:</b><br>CC                             |  | <b>Well Number:</b><br>697-04-57B                                 |
| <b>Well Type:</b><br>Development Well               | <b>Well Country:</b><br>United States of America |   |
| <b>H2S Present:</b>                                 | <b>Well State:</b><br>Colorado                   | <b>Well County:</b><br>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                              | 3/2/2012                    |
| Survey Interviewer      | The survey interviewer is the person who initiated the survey. | CHRISTOPHER SMITH (HB20137) |
| 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

|   |  |   |
|---|--|---|
| <b>Sales Order #:</b><br>9107197                    | <b>Line Item:</b><br>10                          | <b>Survey Conducted Date:</b><br>3/2/2012                         |
| <b>Customer:</b><br>OXY GRAND JUNCTION EBUSINESS    |  | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM                  |
| <b>Customer Representative:</b><br>VICTOR BENEVIDES |  | <b>API / UWI: (leave blank if unknown)</b><br>AFEYSKF3K5JQKDYBAAA |
| <b>Well Name:</b><br>CC                             |  | <b>Well Number:</b><br>697-04-57B                                 |
| <b>Well Type:</b><br>Development Well               | <b>Well Country:</b><br>United States of America |   |
| <b>H2S Present:</b>                                 | <b>Well State:</b><br>Colorado                   | <b>Well County:</b><br>Garfield                                   |

### KEY PERFORMANCE INDICATORS

| General   |          |
|---|----------|
| <b>Survey Conducted Date</b><br>The date the survey was conducted | 3/2/2012 |

| Cementing KPI Survey   |                         |
|--|-------------------------|
| <b>Type of Job</b><br>Select the type of job. (Cementing or Non-Cementing)   | 0                       |
| <b>Select the Maximum Deviation range for this Job</b><br>What is the highest deviation for the job you just completed? This may not be the maximum well deviation.  | Vertical                |
| <b>Total Operating Time (hours)</b><br>Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.   | 6                       |
| <b>HSE Incident, Accident, Injury</b><br>HSE Incident, Accident, Injury. This should be recordable incidents only.   | No                      |
| <b>Was the job purpose achieved?</b><br>Was the job delivered correctly as per customer agreed design?   | Yes                     |
| <b>Operating Hours (Pumping Hours)</b><br>Total number of hours pumping fluid on this job. Enter in decimal format.  | 3                       |
| <b>Customer Non-Productive Rig Time (hrs)</b><br>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                       |
| <b>Type of Rig Classification Job Was Performed</b><br>Type Of Rig (classification) Job Was Performed On   | Drilling Rig (Portable) |
| <b>Number Of JSAs Performed</b><br>Number Of Jsas Performed  | 9                       |
| <b>Number of Unplanned Shutdowns</b><br>Unplanned shutdown is when injection stops for any period of time.   | 0                       |
| <b>Was this a Primary Cement Job (Yes / No)</b>  | Yes                     |

|   |  |   |
|---|--|---|
| <b>Sales Order #:</b><br>9107197                    | <b>Line Item:</b><br>10                          | <b>Survey Conducted Date:</b><br>3/2/2012                         |
| <b>Customer:</b><br>OXY GRAND JUNCTION EBUSINESS    |  | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM                  |
| <b>Customer Representative:</b><br>VICTOR BENEVIDES |  | <b>API / UWI: (leave blank if unknown)</b><br>AFEYSKF3K5JQKDYBAAA |
| <b>Well Name:</b><br>CC                             |  | <b>Well Number:</b><br>697-04-57B                                 |
| <b>Well Type:</b><br>Development Well               | <b>Well Country:</b><br>United States of America |   |
| <b>H2S Present:</b>                                 | <b>Well State:</b><br>Colorado                   | <b>Well County:</b><br>Garfield                                   |

|  |     |
|--|-----|
| Primary Cement Job= Casing job, Liner job, or Tie-back job.  |     |
| <b>Did We Run Wiper Plugs?</b><br>Did We Run Top And Bottom Casing Wiper Plugs?  | Top |
| <b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b><br>Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100       | 97  |
| <b>Was Automated Density Control Used?</b><br>Was Automated Density Control (ADC) Used ?   | Yes |
| <b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b><br>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 | 95  |
| <b>Nbr of Remedial Sqz Jobs Rqd - Competition</b><br>Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition   | 0   |
| <b>Nbr of Remedial Plug Jobs Rqd - HES</b><br>Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES   | 0   |
| <b>Nbr of Remedial Sqz Jobs Rqd - HES</b><br>Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES   | 0   |