
OXY GRAND JUNCTION EBUSINESS

**CC 697-05-67A
GRAND VALLEY
Garfield County , Colorado**

**Cement Surface Casing
30-Apr-2012**

Post Job Summary

The Road to Excellence Starts with Safety

| | | | |
|---|----------------------------|---|--------------------------------|
| Sold To #: 344034 | Ship To #: 344034 | Quote #: | Sales Order #: 9474123 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Customer Rep: VILLEGAS, ALEX | |
| Well Name: CC | | Well #: 697-05-67A | API/UWI #: 05-045-20967 |
| Field: GRAND VALLEY | City (SAP): DEBEQUE | County/Parish: Garfield | State: Colorado |
| Lat: N 39.544 deg. OR N 39 deg. 32 min. 37.428 secs. | | Long: W 108.246 deg. OR W -109 deg. 45 min. 12.816 secs. | |
| Contractor: H&P 353 | | Rig/Platform Name/Num: H&P 353 | |
| Job Purpose: Cement Surface Casing | | | |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: HIMES, JEFFREY | | Srvc Supervisor: YOUNG, JEREMY | MBU ID Emp #: 418013 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|--------------------------|---------|--------|------------------------|---------|--------|-----------------|---------|--------|
| ANDREWS, ANTHONY Michael | 10 | 321604 | BURKE, BRENDAN Patrick | 10 | 487782 | GOWEN, WESLEY M | 10 | 496205 |
| YOUNG, JEREMY R | 10 | 418013 | | | | | | |

Equipment

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10867304 | 120 mile | 10867425 | 120 mile | 10897891 | 120 mile | 10998054 | 120 mile |
| 11259881 | 120 mile | 11560046 | 120 mile | 11808833 | 120 mile | 4901 | 120 mile |
| 6543 | 120 mile | | | | | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------------|-------------------|-----------------|---|-------------------|-----------------|------|-------------------|-----------------|
| 04/29/2012 | 7 | 3 | 04/30/2012 | 3 | 2 | | | |
| TOTAL | | | <i>Total is the sum of each column separately</i> | | | | | |

Job

Job Times

| Formation Name | Formation Depth (MD) | Top | Bottom | Called Out | Date | Time | Time Zone |
|-------------------------------|----------------------|-----|--------------------------|--------------------|----------------------|-----------------|-----------|
| | | | | | 29 - Apr - 2012 | 11:00 | MST |
| Form Type | | | BHST | On Location | 29 - Apr - 2012 | 17:00 | MST |
| Job depth MD | 2690. ft | | Job Depth TVD | 2690. ft | Job Started | 29 - Apr - 2012 | 22:06 |
| Water Depth | | | Wk Ht Above Floor | . ft | Job Completed | 30 - Apr - 2012 | 01:22 |
| Perforation Depth (MD) | From | | To | | Departed Loc | 30 - Apr - 2012 | 03:00 |

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 |
|-----------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| 14 3/4" OPEN HOLE | | | | 14.75 | | | | . | 2740. | | |
| 9 5/8" SURFACE CASING | Unknown | | 9.625 | 8.921 | 36. | | J-55 | . | 2690. | | |

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 | 9.625 | 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 lbm/gal | Yield ft ³ /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1 | Fresh Water Spacer | FRESH WATER | 10.00 | bbl | 8.33 | .0 | .0 | 4 | |
| 2 | Gel Water Spacer | GEL WATER | 20.00 | bbl | 8.34 | .0 | .0 | 4 | |
| 0.25 gal/bbl | | LGC-36 UC, BULK (101582749) | | | | | | | |
| 3 | Fresh Water Spacer | FRESH WATER | 10.00 | bbl | 8.33 | .0 | .0 | 4 | |
| 4 | HalCem Lead Cement | HALCEM (TM) SYSTEM (452986) | 1282.0 | sacks | 12.3 | 2.15 | 11.83 | 6 | 11.83 |
| 11.83 Gal | | FRESH WATER | | | | | | | |
| 5 | VersaCem Tail Cement | VARICEM (TM) CEMENT (452009) | 160.0 | sacks | 12.8 | 2.07 | 10.67 | 6 | 10.67 |
| 10.67 Gal | | FRESH WATER | | | | | | | |
| 6 | Fresh Water Displacement | FRESH WATER | 204.20 | bbl | 8.34 | .0 | .0 | 6 | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | 204.2 | Shut In: Instant | | Lost Returns | NO | Cement Slurry | 450.3 | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 215 | Actual Displacement | 204.2 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 40 | Load and Breakdown | | Total Job | 694.5 |
| Rates | | | | | | | | | |
| Circulating | | Mixing | 6 | Displacement | 6 | Avg. Job | 6 | | |
| Cement Left In Pipe | Amount | 48 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 | | | | | |

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| Field: GRAND VALLEY | City (SAP): DEBEQUE | County/Parish: Garfield | State: Colorado |
| Legal Description: | | | |
| Lat: N 39.544 deg. OR N 39 deg. 32 min. 37.428 secs. | | Long: W 108.246 deg. OR W -109 deg. 45 min. 12.816 secs. | |
| Contractor: H&P 353 | | Rig/Platform Name/Num: H&P 353 | |
| Job Purpose: Cement Surface Casing | | | Ticket Amount: |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: HIMES, JEFFREY | | Srvc Supervisor: YOUNG, JEREMY | MBU ID Emp #: 418013 |

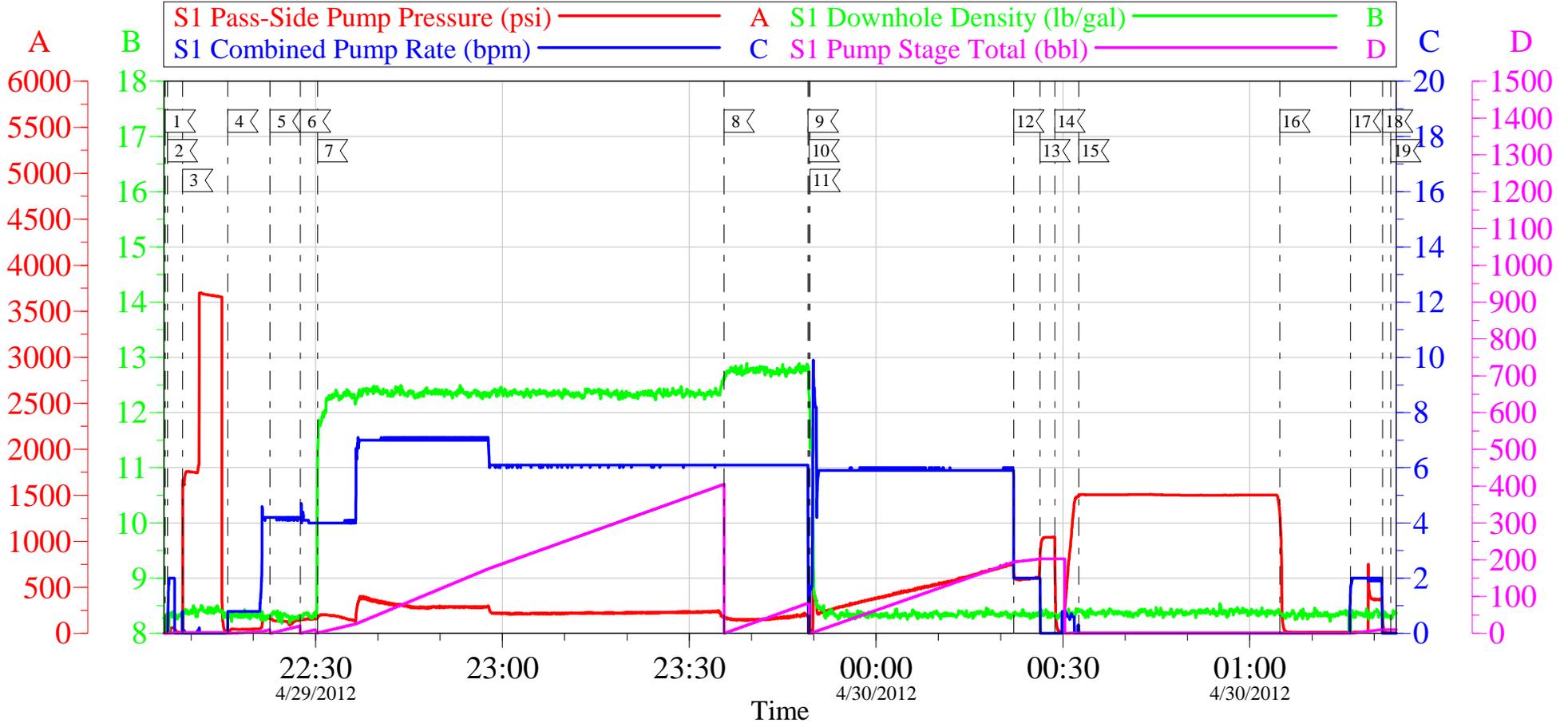
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 04/29/2012 11:00 | | | | | | | |
| Pre-Convoy Safety Meeting | 04/29/2012 13:50 | | | | | | | WITH ALL HES PERSONNEL |
| Crew Leave Yard | 04/29/2012 14:00 | | | | | | | |
| Arrive At Loc | 04/29/2012 17:00 | | | | | | | RIG WAS RUNNING CASING UPON HES ARRIVAL |
| Assessment Of Location Safety Meeting | 04/29/2012 20:30 | | | | | | | WITH ALL HES PERSONNEL |
| Other | 04/29/2012 20:40 | | | | | | | SPOT EQUIPMENT |
| Pre-Rig Up Safety Meeting | 04/29/2012 20:50 | | | | | | | WITH ALL HES PERSONNEL |
| Rig-Up Equipment | 04/29/2012 21:00 | | | | | | | |
| Pre-Job Safety Meeting | 04/29/2012 21:50 | | | | | | | WITH ALL PERSONNEL ON LOCATION |
| Start Job | 04/29/2012 22:05 | | | | | | | TD 2740 FT, TP 2690 FT, SHOE 48 FT, HOLE 14 3/4 IN, MUD WT 9.5 PPG, CSG 9 5/8 IN 36 LB/FT J-55 |
| Other | 04/29/2012 22:06 | | 2 | 2 | | | 62.0 | FILL LINES WITH FRESH WATER |
| Test Lines | 04/29/2012 22:08 | | | | | | | TEST LINES TO 3600 PSI. PRESSURE HOLDING |
| Pump Spacer 1 | 04/29/2012 22:15 | | 4 | 10 | | | 160.0 | FRESH WATER |
| Pump Spacer 2 | 04/29/2012 22:22 | | 4 | 20 | | | 130.0 | GEL WATER |
| Pump Spacer 1 | 04/29/2012 22:27 | | 4 | 10 | | | 150.0 | FRESH WATER |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|-----------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Lead Cement | 04/29/2012 22:30 | | 6 | 391.3 | | | 350.0 | 1022 SKS AT 12.3 PPG, 2.15 FT3/SK, 11.83 GAL/SK. 7 BOXES OF TUFF FIBER IN LEAD CEMENT. CUT LEAD SHORT AS PER COMPANY REP |
| Pump Tail Cement | 04/29/2012 23:35 | | 6 | 59 | | | 170.0 | 160 SKS AT 12.8 PPG, 2.07 FT3/SK, 10.67 GAL/SK |
| Shutdown | 04/29/2012 23:49 | | | | | | | |
| Drop Top Plug | 04/29/2012 23:49 | | | | | | | PLUG LAUNCHED |
| Pump Displacement | 04/29/2012 23:49 | | 6 | 194.2 | | | 760.0 | FRESH WATER |
| Slow Rate | 04/30/2012 00:22 | | 2 | 10 | | | 600.0 | SLOW RATE 10 BBLs PRIOR TO CALCULATED DISPLACEMENT |
| Bump Plug | 04/30/2012 00:26 | | 2 | | 204.2 | | 1050.0 | PLUG BUMPED |
| Check Floats | 04/30/2012 00:28 | | | | | | | FLOATS HOLDING. RETURNED 1 BBL H2O TO PUMP |
| Pressure Test | 04/30/2012 00:32 | | | | | | 1500.0 | PRESSURE TEST CASING TO 1500 PSI FOR 30 MIN AS PER COMPANY REP |
| Other | 04/30/2012 01:04 | | | | | | | RELEASE PRESSURE |
| Pump Water | 04/30/2012 01:16 | | 2 | 10 | | | 730.0 | PUMP SUGAR WATER DOWN PARASITE STRING |
| Shutdown | 04/30/2012 01:21 | | | | | | | |
| End Job | 04/30/2012 01:22 | | | | | | | JOB PUMPED OFFLINE THROUGH PLUG CONTAINER WITH QUICK LATCH. PIPE WAS STATIC DURING JOB. GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 215 BBL OF CEMENT TO SURFACE |
| Pre-Rig Down Safety Meeting | 04/30/2012 01:30 | | | | | | | WITH ALL HES PERSONNEL |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Rig-Down Equipment | 04/30/2012 01:35 | | | | | | | |
| Pre-Convoy Safety Meeting | 04/30/2012 02:50 | | | | | | | WITH ALL HES PERSONNEL |
| Crew Leave Location | 04/30/2012 03:00 | | | | | | | LEFT APPROX 260 SKS OF LEAD CEMENT IN SILO DUE TO CUTTING LEAD SHORE AS PER COMPANY REP. ALL CEMENT HAS BEEN CHARGED FOR. WILL USE ON NEXT WELL |
| Comment | 04/30/2012 03:01 | | | | | | | THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JEREMY YOUNG AND CREW. |

OXY - CC 697-05-67A

9 5/8 SURFACE

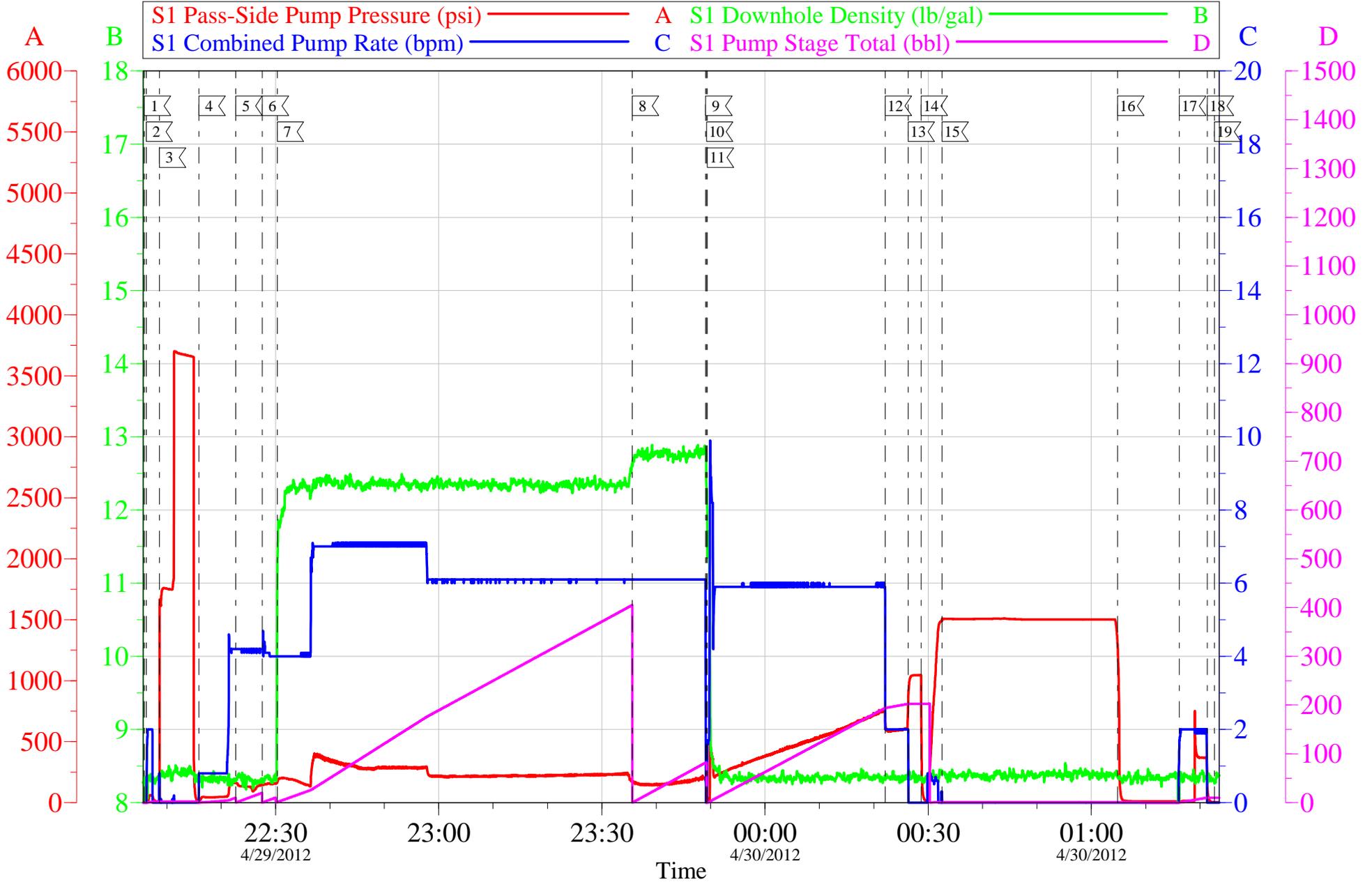


| | | | | | | | | |
|----|-------------------|--------------------|----|-----------------------|--------------------|----|----------------------|--------------------|
| 1 | START JOB | 4/29/2012 22:05:52 | 2 | FILL LINES | 4/29/2012 22:06:13 | 3 | TEST LINES | 4/29/2012 22:08:38 |
| 4 | PUMP H2O SPACER 1 | 4/29/2012 22:15:54 | 5 | PUMP GEL SPACER | 4/29/2012 22:22:41 | 6 | PUMP H2O SPACER 2 | 4/29/2012 22:27:33 |
| 7 | PUMP LEAD CEMENT | 4/29/2012 22:30:19 | 8 | PUMP TAIL CEMENT | 4/29/2012 23:35:37 | 9 | SHUTDOWN | 4/29/2012 23:49:05 |
| 10 | DROP TOP PLUG | 4/29/2012 23:49:14 | 11 | PUMP DISPLACEMENT | 4/29/2012 23:49:22 | 12 | SLOW RATE | 4/30/2012 00:22:06 |
| 13 | BUMP PLUG | 4/30/2012 00:26:19 | 14 | CHECK FLOATS | 4/30/2012 00:28:42 | 15 | PRESSURE TEST CASING | 4/30/2012 00:32:33 |
| 16 | RELEASE PRESSURE | 4/30/2012 01:04:50 | 17 | FLUSH PARASITE STRING | 4/30/2012 01:16:12 | 18 | SHUTDOWN | 4/30/2012 01:21:20 |
| 19 | END JOB | 4/30/2012 01:22:38 | | | | | | |

| | | |
|---------------------------------|---------------------------------|-------------------------|
| Customer: OXY | Job Date: 29-Apr-2012 | Sales Order #: 9474123 |
| Well Description: CC 697-05-67A | Job Type: SURFACE | ADC Used: YES |
| Company Rep: ALEX VALLEGAS | Cement Supervisor: JEREMY YOUNG | Elite #5: BRENDAN BURKE |

OXY - CC 697-05-67A

9 5/8 SURFACE



| | | |
|---------------------------------|---------------------------------|-------------------------|
| Customer: OXY | Job Date: 29-Apr-2012 | Sales Order #: 9474123 |
| Well Description: CC 697-05-67A | Job Type: SURFACE | ADC Used: YES |
| Company Rep: ALEX VALLEGAS | Cement Supervisor: JEREMY YOUNG | Elite #5: BRENDAN BURKE |

HALLIBURTON

Water Analysis Report

Company: OXY

Date: 4/29/2012

Submitted by: JEREMY YOUNG

Date Rec.: _____

Attention: LAB

S.O.# 9474123

Lease CC

Job Type: SURFACE

Well # 697-05-67A

| | | |
|-----------------------------|--------------|-------------------------|
| Specific Gravity | <i>MAX</i> | 1 |
| pH | <i>8</i> | 7 |
| Potassium (K) | <i>5000</i> | 200 Mg / L |
| Calcium (Ca) | <i>500</i> | 250 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> | 64 Deg |
| Total Dissolved Solids | | 830 Mg / L |

Respectfully: JEREMY YOUNG

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 #: 9474123 | Line Item: 10 | Survey Conducted Date: 4/30/2012 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: ALEX VALLEGAS | | API / UWI: (leave blank if unknown) 05-045-20967 |
| Well Name: CC | | Well Number: 697-05-67A |
| 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 | 4/30/2012 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | JEREMY YOUNG (HX37077) |
| Customer Participation | Did the customer participate in this survey? (Y/N) | Yes |
| Customer Representative | Enter the Customer representative name | ALEX VALLEGAS |
| 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 | GREAT JOB |

| |
|---------------------------|
| CUSTOMER SIGNATURE |
|---------------------------|

| | | |
|--|--|--|
| Sales Order #: 9474123 | Line Item: 10 | Survey Conducted Date: 4/30/2012 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: ALEX VALLEGAS | | API / UWI: (leave blank if unknown) 05-045-20967 |
| Well Name: CC | | Well Number: 697-05-67A |
| 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 | 4/30/2012 |
| 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) | 5 |
| 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) | 3.5 |
| 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 | 6 |
| 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 |

| | | |
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| 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 | 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 |