
OXY GRAND JUNCTION EBUSINESS

**CC 697-16-29A
GRAND VALLEY
Garfield County , Colorado**

Cement Intermediate Casing **26-Sep-2011**

Post Job Report

The Road to Excellence Starts with Safety

| | | | |
|---|---|-------------------------|------------------------|
| Sold To #: 344034 | Ship To #: 2820436 | Quote #: | Sales Order #: 8490697 |
| Customer: OXY GRAND JUNCTION EBUSINESS | Customer Rep: Coombs, Henry | | |
| Well Name: CC | Well #: 697-16-29A | API/UWI #: 05-045-19936 | |
| Field: GRAND VALLEY | City (SAP): PARACHUTE | County/Parish: Garfield | State: Colorado |
| Lat: N 39.536 deg. OR N 39 deg. 32 min. 9.708 secs. | Long: W 108.238 deg. OR W -109 deg. 45 min. 44.28 secs. | | |
| Contractor: H&P Drilling | Rig/Platform Name/Num: H&P 353 | | |
| Job Purpose: Cement Intermediate Casing | | | |
| Well Type: Development Well | Job Type: Cement Intermediate Casing | | |
| Sales Person: HIMES, JEFFREY | Srvc Supervisor: TRIPLETT, MICHEAL | MBU ID Emp #: 447908 | |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|-------------------------|---------|--------|------------------|---------|--------|---------------------------|---------|--------|
| HARDRICK, RAYMOND Frank | 15 | 391324 | STILLSON, ERIC W | 15 | 393789 | TRIPLETT, MICHEAL Anthony | 15 | 447908 |
| WEAVER, CARLTON Russell | 15 | 457698 | WOLFE, JON P | 15 | 485217 | | | |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10567589C | 120 mile | 10783493 | 120 mile | 10822007 | 120 mile | 10995027 | 120 mile |
| 11259885 | 120 mile | 11583917 | 120 mile | | | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|------------|-------------------|-----------------|------------|-------------------|-----------------|------|-------------------|-----------------|
| 09/25/2011 | 2 | 0 | 09/26/2011 | 13 | 4 | | | |

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 | 25 - Sep - 2011 | 16:00 | MST |
| Form Type | BHST | | Job Started | 25 - Sep - 2011 | 22:00 | MST |
| Job depth MD | 9375. ft | Job Depth TVD | Job Completed | 26 - Sep - 2011 | 08:17 | MST |
| Water Depth | | Wk Ht Above Floor | Job Completed | 26 - Sep - 2011 | 11:37 | MST |
| Perforation Depth (MD) | From | To | Departed Loc | 26 - Sep - 2011 | 13:00 | MST |

Well Data

| Description | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|------------------------|------------|-------------------|---------|-------|---------------|---------|-------|-----------|--------------|------------|---------------|
| 9 1/2" Open Hole | | | | 9.5 | | | | 2689. | 9375. | | |
| 7" Intermediate Casing | New | | 7. | 6.276 | 26 | 8 ROUND | | . | 9353.8 | | |
| 9 5/8" Surface Casing | Used | | 9.625 | 8.921 | 36 | 8 ROUND | J-55 | . | 2689.0 | | |

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 Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft ³ /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|-----------------|------------|-----|---------|------------------------|---------------------------|------------------|--------------|------------------------|
| Fluid # | Stage Type | | | | | | | |

| | | | | | | | | | |
|--|---------------------------|---------------------------------|--------|-----------------------------------|------|---------------------|-------|-----------|-------|
| 1 | Water Spacer | | 20.00 | bbl | 8.34 | .0 | .0 | 4.0 | |
| 2 | Gel Spacer | | 20.00 | bbl | 8.4 | .0 | .0 | 4.0 | |
| 3 | Water Spacer | | 20.00 | bbl | 8.34 | .0 | .0 | 4.0 | |
| 4 | ExtendaCem Lead Cement | EXTENDACEM (TM) SYSTEM (452981) | 508.0 | sacks | 12.4 | 1.89 | 10.12 | 6.0 | 10.12 |
| | 10.12 Gal | FRESH WATER | | | | | | | |
| 5 | HalCem Tail Cement | VARICEM (TM) CEMENT (452009) | 856.0 | sacks | 13.1 | 1.96 | 9.08 | 6.0 | 9.08 |
| | 9.08 Gal | FRESH WATER | | | | | | | |
| 6 | Displacement | | 355.00 | bbl | 8.34 | .0 | .0 | 8.0 | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | 355.3 | Shut In: Instant | | Lost Returns | 70 | Cement Slurry | 470 | Pad | |
| Top Of Cement | 547.5 | 5 Min | | Cement Returns | 20 | Actual Displacement | 355.3 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 60 | Load and Breakdown | | Total Job | 760 |
| Rates | | | | | | | | | |
| Circulating | 6 | Mixing | 6 | Displacement | 6 | Avg. Job | 6 | | |
| Cement Left In Pipe | Amount | 52.5 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 #: 2820436 | | Quote #: | | Sales Order #: 8490697 | |
| Customer: OXY GRAND JUNCTION EBUSINESS | | | | Customer Rep: Coombs, Henry | | | |
| Well Name: CC | | | Well #: 697-16-29A | | | API/UWI #: 05-045-19936 | |
| Field: GRAND VALLEY | | City (SAP): PARACHUTE | | County/Parish: Garfield | | State: Colorado | |
| Legal Description: | | | | | | | |
| Lat: N 39.536 deg. OR N 39 deg. 32 min. 9.708 secs. | | | | Long: W 108.238 deg. OR W -109 deg. 45 min. 44.28 secs. | | | |
| Contractor: H&P Drilling | | | Rig/Platform Name/Num: H&P 353 | | | | |
| Job Purpose: Cement Intermediate Casing | | | | | | Ticket Amount: | |
| Well Type: Development Well | | | Job Type: Cement Intermediate Casing | | | | |
| Sales Person: HIMES, JEFFREY | | | Srvc Supervisor: TRIPLETT, MICHEAL | | | MBU ID Emp #: 447908 | |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 09/25/2011 17:00 | | | | | | | |
| Pre-Convoy Safety Meeting | 09/25/2011 18:50 | | | | | | | |
| Crew Leave Yard | 09/25/2011 19:00 | | | | | | | |
| Arrive At Loc | 09/25/2011 22:00 | | | | | | | RIG WAS STILL RUNNING CASING. |
| Assessment Of Location Safety Meeting | 09/25/2011 22:10 | | | | | | | |
| Other | 09/26/2011 03:00 | | | | | | | SPOT EQUIPMENT, 1 RCM PUMP TRUCK 1 660 BULK TRUCK. |
| Pre-Rig Up Safety Meeting | 09/26/2011 03:10 | | | | | | | |
| Rig-Up Equipment | 09/26/2011 03:15 | | | | | | | |
| Pre-Job Safety Meeting | 09/26/2011 08:00 | | | | | | | GO OVER JOB PROCEDURES AND SAFETY INFORMATION. |
| Start Job | 09/26/2011 08:16 | | | | | | | TD:9375', TP:9353.79', SJ:52.50', MW:9.2, CASING: 7" 26#, OH: 9.5", SURFACE SET @ 2689'. |
| Test Lines | 09/26/2011 08:19 | | | | | | 4000 | PRESSURE TEST PUMPS AND LINES. STARTED AT 4040 PSI ENDED AT 4016 PSI, LOST 24 PSI IN THREE MINUTES. |
| Pump Spacer 1 | 09/26/2011 08:26 | | 4 | 20 | | | 100.0 | FRESH WATER |
| Pump Spacer 2 | 09/26/2011 08:31 | | 4 | 20 | | | 80.0 | LGC 2.5 GALLONS PER 10 BARRELS. |

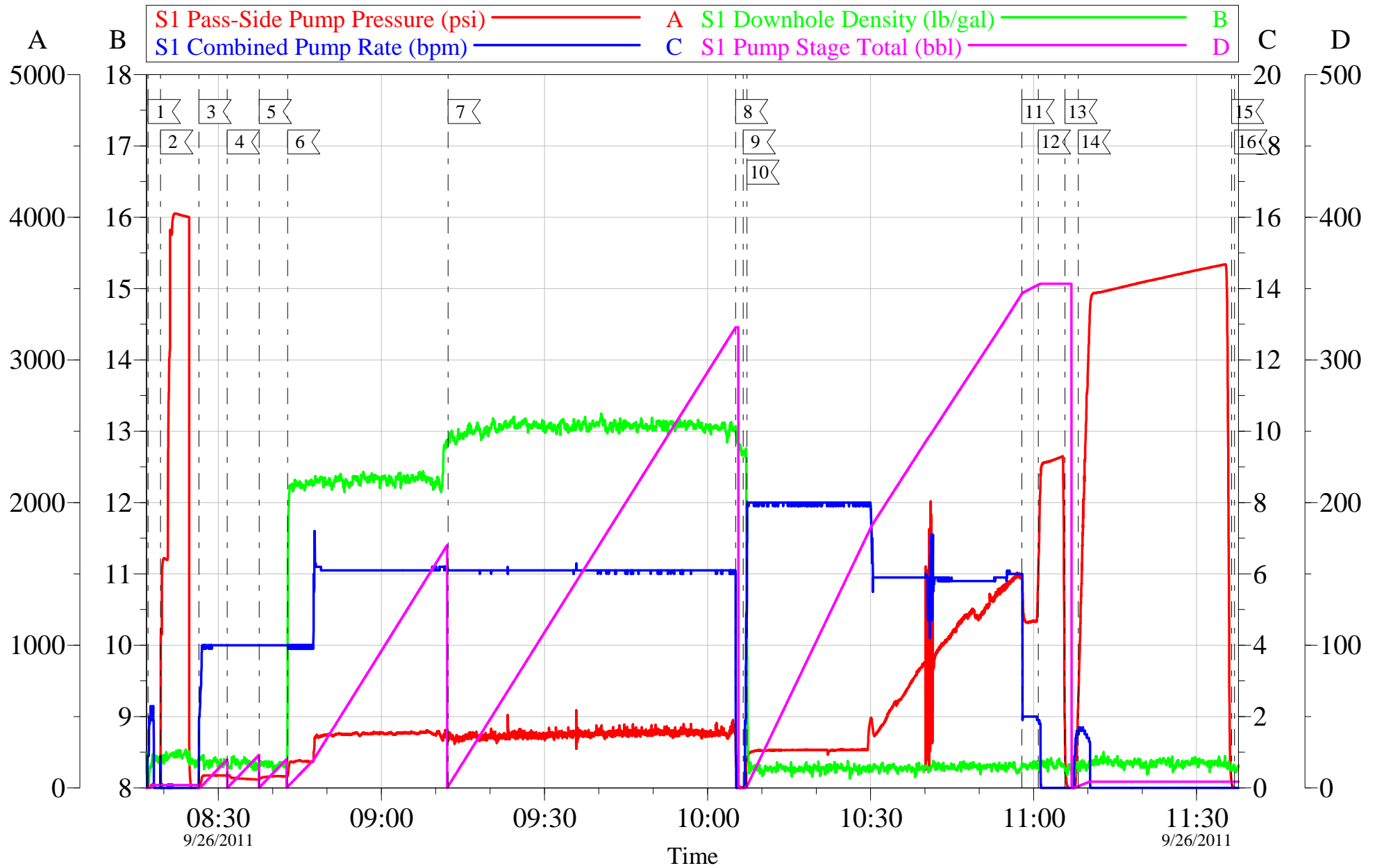
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|-------------------------|------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Spacer 3 | 09/26/2011 08:37 | | 4 | 20 | | | 96.0 | FRESH WATER |
| Pump Lead Cement | 09/26/2011 08:42 | | 6 | 171 | | | 390.0 | 508 SACKS MIXED @ 12.4 PPG, 1.89 YIELD, 10.12 GALS/SACK. |
| Pump Tail Cement | 09/26/2011 09:12 | | 6 | 298.8 | | | 400.0 | 856 SACKS MIXED @ 13.1, 1.96 YIELD, 9.08 GALS/SACK. |
| Shutdown | 09/26/2011 10:05 | | | | | | | |
| Drop Top Plug | 09/26/2011 10:06 | | | | | | | VERIFY PLUG LEFT. |
| Pump Displacement | 09/26/2011 10:07 | | 6 | 355.3 | | | 1500 | FRESHWATER, RAN 8 BBLS/MIN UNTIL CAUGHT PRESSURE, THEN RAN 6 BBLS/MIN THE REST OF DISPLACEMENT. |
| Slow Rate | 09/26/2011 10:57 | | 2 | 345.3 | | | 1175 | SLOWED RATE LAST 10BBLS OF DISPLACEMENT |
| Bump Plug | 09/26/2011 11:00 | | | 355.3 | | | 1200 | BUMP PLUG AND WENT 1000PSI OVER TO 2290 PSI |
| Check Floats | 09/26/2011 11:05 | | | | | | | FLOATS HELD |
| Pressure Test | 09/26/2011 11:08 | | | | | | 3500 | PRESSURE TEST CASING TO 3500 PSI FOR 30 MINUTES. |
| Release Casing Pressure | 09/26/2011 11:36 | | | | | | 3658 | CASING TEST GOOD. |

Cementing Job Log

| End Job | 09/26/2011 11:37 | | | | | | | HAD GOOD CIRCULATION THROUGHOUT JOB. RIG HAD 1400 CFM AIR GOING THROUGH PARASITE DURING CEMENT, LOWERED IT TO 900 ON DISPLACEMENT AND SHUT AIR OFF WHEN CEMENT CAME TO SURFACE. GOT 20 BBLS OF CEMENT TO SURFACE AND LOST RETURNS WITH 280 BBLS OF DISPLACEMENT AWAY. 4 ADDITIONAL HOURS ADDED AND CUBIC FEET AND TONS WRONG ON TICKET CHANGED TO RIGHT AMOUNT. 40 #'S OF SUGAR USED. |
|--|---------------------|-------|--------------|------------|-------|---------------|--------|---|
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
| | | | | Stage | Total | Tubing | Casing | |
| Post-Job Safety Meeting (Pre Rig-Down) | 09/26/2011 11:40 | | | | | | | |
| Rig-Down Equipment | 09/26/2011 11:45 | | | | | | | |
| Pre-Convoy Safety Meeting | 09/26/2011 12:55 | | | | | | | |
| Crew Leave Location | 09/26/2011 13:00 | | | | | | | THANKS FOR USING HALLIBURTON MIKE TRIPLETT AND CREW. |

OXY

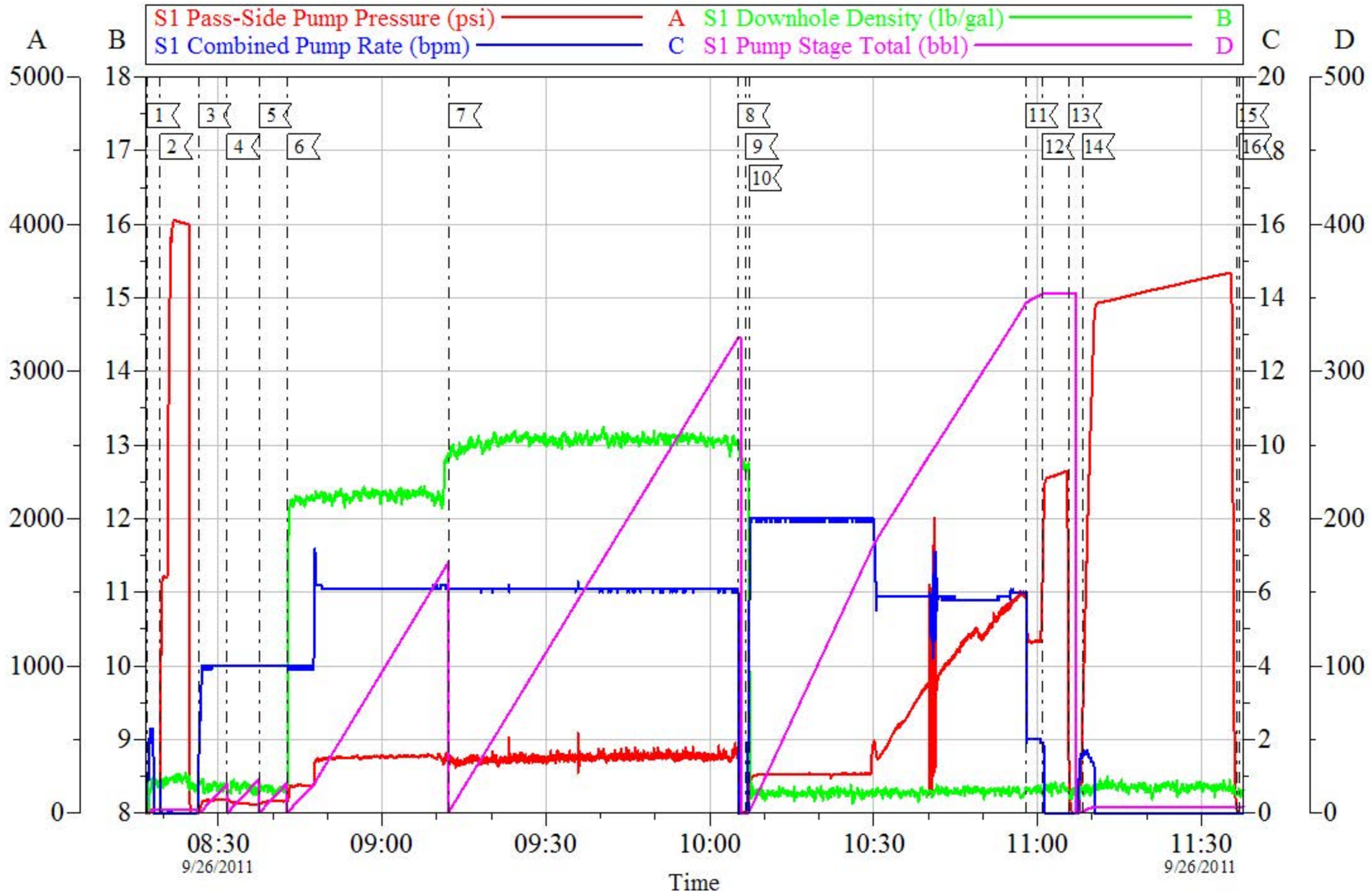
7" INTERMEDIATE CC-697-16-29A



| | | |
|---------------------------------|----------------------------------|--------------------------------|
| Customer: OXY | Job Date: 26-Sep-2011 | Sales Order #: 8490697 |
| Well Description: CC-697-16-29A | JOB TYPE: INTERMEDIATE | COMPANY REP: HENRY COOMBS |
| ADC USED: YES | SERVICE SUPERVISOR: MIKE TRIPLET | ELITE/OPERATER 3/ RUSTY WEAVER |

OptiCem v6.4.9
26-Sep-11 11:38

OXY 7" INTERMEDIATE CC-697-16-29A



| | | |
|---------------------------------|-----------------------------------|--------------------------------|
| Customer: OXY | Job Date: 26-Sep-2011 | Sales Order #: 8490697 |
| Well Description: CC-697-16-29A | JOB TYPE: INTERMEDIATE | COMPANY REP: HENRY COOMBS |
| ADC USED: YES | SERVICE SUPERVISOR: MIKE TRIPLETT | ELITE/OPERATER 3/ RUSTY WEAVER |

HALLIBURTON

Water Analysis Report

Company: OXY
Submitted by: MIKE TRIPLET
Attention: LAB
Lease: CASCADE CREEK
Well #: 697-16-29A

Date: 9/26/2011
Date Rec.: 9/26/2011
S.O.#: 8490697
Job Type: INTERMEDIATE

| | | |
|-----------------------------|--------------|--------------------|
| Specific Gravity | <i>MAX</i> | 1 |
| pH | <i>8</i> | 8 |
| Potassium (K) | <i>5000</i> | 250 Mg / L |
| Calcium (Ca) | <i>500</i> | 100 Mg / L |
| Iron (FE2) | <i>300</i> | 3 Mg / L |
| Chlorides (Cl) | <i>3000</i> | 425 Mg / L |
| Sulfates (SO ₄) | <i>1500</i> | -200 Mg / L |
| Chlorine (Cl ₂) | | 0 Mg / L |
| Temp | <i>40-80</i> | 65 Deg |
| Total Dissolved Solids | | 180 Mg / L |

Respectfully: MIKE TRIPLET

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 #: 8490697 | Line Item: 10 | Survey Conducted Date: 9/26/2011 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Job Type (BOM): CMT INTERMEDIATE CASING BOM |
| Customer Representative: JEREMY KNEESE | | API / UWI: (leave blank if unknown) 05-045-19936 |
| Well Name: CC | | Well Number: 697-16-29A |
| 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 | 9/26/2011 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | MICHEAL TRIPLETT (HB15721) |
| Customer Participation | Did the customer participate in this survey? (Y/N) | Yes |
| Customer Representative | Enter the Customer representative name | JEREMY KNEESE |
| 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 | |
| Job DVA | Did we provide job DVA above our normal service today? Circle Y or N | No |
| Time | Please enter hours in decimal format to nearest quarter hour. | |
| Other | Enter short text for other efficiencies gained. | |
| Customer Initials | Customer's Initials | |
| Please provide details | Please describe how the job efficiencies were gained. | |

CUSTOMER SIGNATURE

| | | |
|--|--|--|
| Sales Order #: 8490697 | Line Item: 10 | Survey Conducted Date: 9/26/2011 |
| Customer: OXY GRAND JUNCTION EBUSINESS | | Job Type (BOM): CMT INTERMEDIATE CASING BOM |
| Customer Representative: JEREMY KNEESE | | API / UWI: (leave blank if unknown) 05-045-19936 |
| Well Name: CC | | Well Number: 697-16-29A |
| 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 The date the survey was conducted | 9/26/2011 |

| Cementing KPI Survey | |
|--|-------------------------|
| Type of Job Select the type of job. (Cementing or Non-Cementing) | 0 |
| Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation. | Vertical |
| Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format. | 6 |
| 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. | 4 |
| Customer Non-Productive Rig Time (hrs) Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none. | 0 |
| Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On | Drilling Rig (Portable) |
| Number Of JSAs Performed Number Of Jsas Performed | 7 |
| Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time. | 0 |
| Was this a Primary Cement Job (Yes / No) | Yes |

| | | |
|--|--|--|
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| Customer Representative: JEREMY KNEESE | | API / UWI: (leave blank if unknown) 05-045-19936 |
| Well Name: CC | | Well Number: 697-16-29A |
| 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 | 95 |
| 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 | 95 |
| 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 |