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**OXY GRAND JUNCTION EBUSINESS**

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**CC 697-15-03B  
PICEANCE  
Garfield County , Colorado**

**Cement Surface Casing  
04-Oct-2010**

**Post Job Report**

*The Road to Excellence Starts with Safety*

|   |                              |   |                               |
|---|------------------------------|---|-------------------------------|
| <b>Sold To #:</b> 344034                      | <b>Ship To #:</b> 2810978    | <b>Quote #:</b>                         | <b>Sales Order #:</b> 7676074 |
| <b>Customer:</b> OXY GRAND JUNCTION EBUSINESS |                              | <b>Customer Rep:</b> Dillion, Pat       |                               |
| <b>Well Name:</b> CC                          |                              | <b>Well #:</b> 697-15-03B               | <b>API/UWI #:</b>             |
| <b>Field:</b> PICEANCE                        | <b>City (SAP):</b> PARACHUTE | <b>County/Parish:</b> Garfield          | <b>State:</b> Colorado        |
| <b>Contractor:</b> H&P 353                    |                              | <b>Rig/Platform Name/Num:</b> H&P 353   |                               |
| <b>Job Purpose:</b> Cement Surface Casing     |                              |   |                               |
| <b>Well Type:</b> Development Well            |                              | <b>Job Type:</b> Cement Surface Casing  |                               |
| <b>Sales Person:</b> DUNNING, DUSTIN          |                              | <b>Srvc Supervisor:</b> REEVES, BRANDON | <b>MBU ID Emp #:</b> 287883   |

**Job Personnel**

| HES Emp Name              | Exp Hrs | Emp #  | HES Emp Name              | Exp Hrs | Emp #  | HES Emp Name  | Exp Hrs | Emp #  |
|---------------------------|---------|--------|---------------------------|---------|--------|---------------|---------|--------|
| CHASTAIN, DERICK<br>Allan | 14      | 455848 | COSTELDIA, BROCK<br>James | 14      | 476115 | DUBON, TODD N | 14      | 443351 |
| REEVES, BRANDON<br>W      | 14      | 287883 |                           |         |        |               |         |        |

**Equipment**

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10000394   | 120 mile       | 10744648C  | 120 mile       | 10867304   | 120 mile       | 10998054   | 120 mile       |
| 10998508   | 120 mile       | 11259883   | 120 mile       |            |                |            |                |

**Job Hours**

| Date         | On Location Hours | Operating Hours | Date  | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------------|-------------------|-----------------|---|-------------------|-----------------|------|-------------------|-----------------|
| 10/03/2010   | 2                 | 0               | 10/04/2010  | 12                | 7               |      |                   |                 |
| <b>TOTAL</b> |                   |                 | <i>Total is the sum of each column separately</i> |                   |                 |      |                   |                 |

**Job**

**Job Times**

| Formation Name                | Top      | Bottom                   | Called Out          | Date                 | Time            | Time Zone |
|-------------------------------|----------|--------------------------|---------------------|----------------------|-----------------|-----------|
| <b>Formation Depth (MD)</b>   |          |                          | <b>On Location</b>  | 03 - Oct - 2010      | 13:00           | MST       |
| <b>Form Type</b>              |          | BHST                     | <b>Job Started</b>  | 03 - Oct - 2010      | 19:45           | MST       |
| <b>Job depth MD</b>           | 2729. ft | <b>Job Depth TVD</b>     | 2729. ft            | <b>Job Started</b>   | 04 - Oct - 2010 | 05:00     |
| <b>Water Depth</b>            |          | <b>Wk Ht Above Floor</b> | 4. ft               | <b>Job Completed</b> | 04 - Oct - 2010 | 00:00     |
| <b>Perforation Depth (MD)</b> | From     | To                       | <b>Departed Loc</b> |                      |                 |           |

**Well Data**

| Description                                    | New / Used | Max pressure psig | Size in | ID in | Weight lbf/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|--|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| <b>Sales/Rental/3<sup>rd</sup> Party (HES)</b> |            |                   |         |       |               |        |       |           |              |            |               |

| Description                                  | Qty | Qty uom | Depth | Supplier |
|--|-----|---------|-------|----------|
| PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA | 1   | EA      |       |          |
| R/A DENSOMETER W/CHART RECORDER, /JOB, ZI    | 1   | JOB     |       |          |
| ADC (AUTO DENSITY CTRL) SYS, /JOB, ZI        | 1   | JOB     |       |          |

**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 <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1  | Water Spacer    | FRESH WATER SPACER            | 20.00  | bbl                               | 8.33                   | .0                        | .0               | .0           |                        |
| 2  | Super Flush 101 | SUPER FLUSH 101 - SBM (12199) | 20.00  | bbl                               | 10.                    | .0                        | .0               | .0           |                        |
| 3  | Water Spacer    | FRESH WATER SPACER            | 20.00  | bbl                               | .                      | .0                        | .0               | .0           |                        |
| 4  | Lead Cement     | VERSACEM (TM) SYSTEM (452010) | 892.0  | sacks                             | 12.3                   | 2.33                      | 12.62            |              | 12.62                  |
|  | 12.62 Gal       | FRESH WATER                   |        |                                   |                        |                           |                  |              |                        |
| 5  | Tail Cement     | VERSACEM (TM) SYSTEM (452010) | 135.0  | sacks                             | 12.8                   | 2.07                      | 10.67            |              | 10.67                  |
|  | 10.67 Gal       | FRESH WATER                   |        |                                   |                        |                           |                  |              |                        |
| 6  | Displacement    | FRESH WATER DISPLACEMENT      | 207.00 | bbl                               | .                      | .0                        | .0               | .0           |                        |
| 7  | Topout Cement   | HALCEM (TM) SYSTEM (452986)   | 60     | sacks                             | 12.5                   | 1.97                      | 10.96            |              | 10.96                  |
|  | 10.96 Gal       | FRESH WATER                   |        |                                   |                        |                           |                  |              |                        |
| Calculated Values                        |                 | Pressures                     |        |                                   | Volumes                |                           |                  |              |                        |
| Displacement                             | 207.1           | Shut In: Instant              |        | Lost Returns                      | NO                     | Cement Slurry             | 420              | Pad          |                        |
| Top Of Cement                            | SURFACE         | 5 Min                         |        | Cement Returns                    | 130                    | Actual Displacement       | 207              | Treatment    |                        |
| Frac Gradient                            |                 | 15 Min                        |        | Spacers                           | 60                     | Load and Breakdown        |                  | Total Job    |                        |
| Rates                                    |                 |                               |        |                                   |                        |                           |                  |              |                        |
| Circulating                              |                 | Mixing                        | 6      | Displacement                      | 6                      | Avg. Job                  | 4                |              |                        |
| Cement Left In Pipe                      | Amount          | 49.80 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*

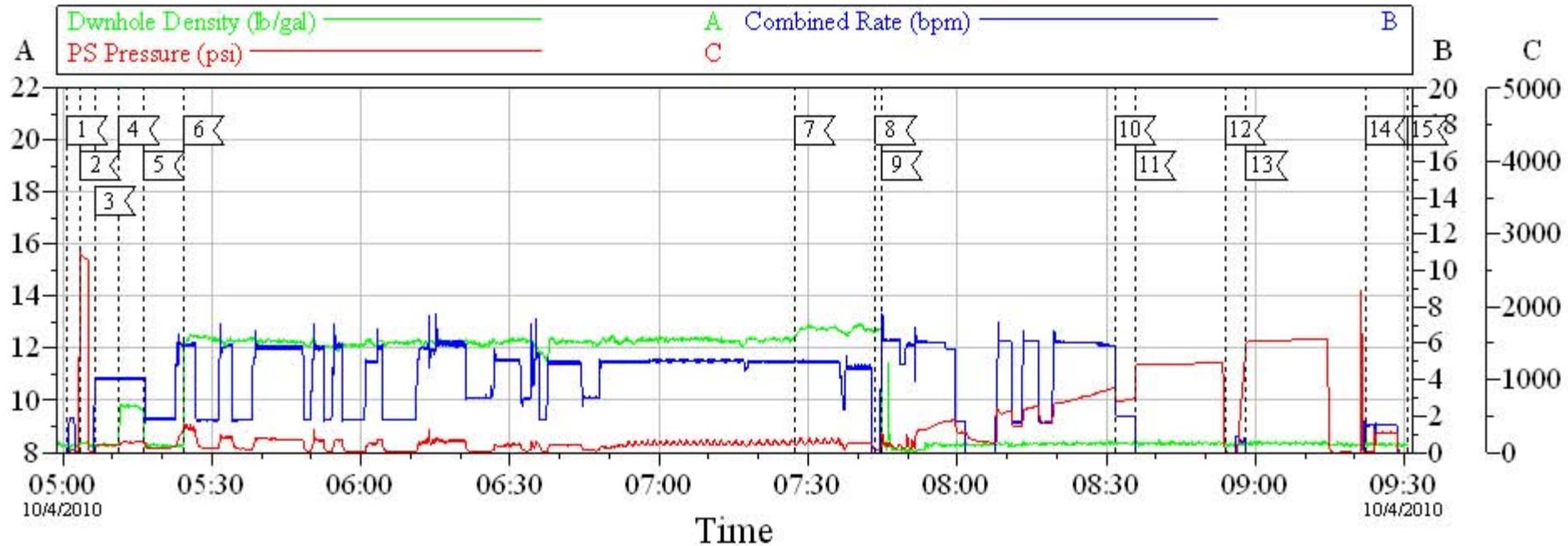
|   |                              |  |                               |
|---|------------------------------|--|-------------------------------|
| <b>Sold To #:</b> 344034                        | <b>Ship To #:</b> 2810978    | <b>Quote #:</b>                                  | <b>Sales Order #:</b> 7676074 |
| <b>Customer:</b> OXY GRAND JUNCTION EBUSINESS   |                              | <b>Customer Rep:</b> Dillion, Pat                |                               |
| <b>Well Name:</b> CC                            |                              | <b>Well #:</b> 697-15-03B                        | <b>API/UWI #:</b>             |
| <b>Field:</b> PICEANCE                          | <b>City (SAP):</b> PARACHUTE | <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 353                      |                              | <b>Rig/Platform Name/Num:</b> H&P 353            |                               |
| <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> DUNNING, DUSTIN            |                              | <b>Srvc Supervisor:</b> REEVES, BRANDON          | <b>MBU ID Emp #:</b> 287883   |

| Activity Description                   | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments  |
|--|---------------------|-------|--------------|------------|-------|---------------|--------|---|
|  |                     |       |              | Stage      | Total | Tubing        | Casing |   |
| Call Out                               | 10/03/2010<br>13:00 |       |              |            |       |               |        |   |
| Pre-Convoy Safety Meeting              | 10/03/2010<br>15:30 |       |              |            |       |               |        |   |
| Arrive at Location from Service Center | 10/03/2010<br>19:45 |       |              |            |       |               |        |   |
| Assessment Of Location Safety Meeting  | 10/04/2010<br>03:00 |       |              |            |       |               |        |   |
| Other                                  | 10/04/2010<br>03:15 |       |              |            |       |               |        | SPOT EQUIPMENT  |
| Pre-Rig Up Safety Meeting              | 10/04/2010<br>03:30 |       |              |            |       |               |        |   |
| Rig-Up Equipment                       | 10/04/2010<br>03:45 |       |              |            |       |               |        |   |
| Pre-Job Safety Meeting                 | 10/04/2010<br>04:45 |       |              |            |       |               |        |   |
| Start Job                              | 10/04/2010<br>05:00 |       |              |            |       |               |        | TD-2760' TP-2729.02'<br>SJ-49.80' MW-9.1#<br>HOLE-14 3/4" CASING-<br>9 5/8" 36# |
| Test Lines                             | 10/04/2010<br>05:03 |       |              |            |       |               | 2700.0 |   |
| Pump Spacer 1                          | 10/04/2010<br>05:06 |       | 4            | 20         |       |               | 105.0  | FRESH WATER SPACER  |
| Pump Spacer 2                          | 10/04/2010<br>05:11 |       | 4            | 20         |       |               | 140.0  | SUPERFLUSH 101 SPACER   |
| Pump Spacer 1                          | 10/04/2010<br>05:16 |       | 6            | 20         |       |               |        | FRESH WATER SPACER  |
| Pump Lead Cement                       | 10/04/2010<br>05:24 |       | 6            | 370.2      |       |               | 380.0  | 892 SKS. @ 12.3# 2.33 YIELD 12.62 WRQ.  |
| Pump Tail Cement                       | 10/04/2010<br>07:27 |       | 6            | 49.8       |       |               | 190.0  | 135 SKS. @ 12.8# 2.07 YIELD 10.67 WRQ.  |
| Drop Top Plug                          | 10/04/2010<br>07:42 |       |              |            |       |               |        |   |
| Pump Displacement                      | 10/04/2010<br>07:43 |       | 6            |            |       |               | 885.0  | FRESH WATER DISPLACEMENT  |

| Activity Description | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|----------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
|                      |                     |       |              | Stage      | Total | Tubing        | Casing |  |
| Slow Rate            | 10/04/2010<br>08:30 |       | 2            | 197        |       |               | 710.0  |  |
| Bump Plug            | 10/04/2010<br>08:35 |       | 2            | 207        |       |               | 1220.0 | PLUG LANDED. LANDED THE PLUG AT 720 PSI. PRESSURED UP TO 1220 PSI.   |
| Check Floats         | 10/04/2010<br>08:52 |       |              |            |       |               |        | FLOATS HELD  |
| Other                | 10/04/2010<br>08:55 |       | 2            | 1          |       |               | 1500.0 | PRESSURE TEST THE CASING TO 1500 PSI. FOR 15 MINUTES   |
| Other                | 10/04/2010<br>09:20 |       | 2            | 10         |       |               | 280.0  | CIRCULATED THE PARASITE STRING WITH 10 BBLS. OF SUGAR WATER  |
| End Job              | 10/04/2010<br>09:30 |       |              |            |       |               |        | END OF PRIMARY CEMENT JOB. CIRCULATED 130 BBLS OF CEMENT TO SURFACE. HAD CIRCULATION ON AND OFF THROUGHOUT THE JOB. PIPE WAS NOT RECIPROCATED. |
| Start Job            | 10/04/2010<br>11:18 |       |              |            |       |               |        | START TOPOUT WELL # 697-10-50B   |
| Pump Cement          | 10/04/2010<br>11:20 |       | 1            | 6          |       | 10.0          |        | 17 SKS. @ 12.5# 1.97 YIELD 10.96 WRQ.  |
| End Job              | 10/04/2010<br>11:32 |       |              |            |       |               |        | CIRCULATED CEMENT TO SURFACE.  |
| Start Job            | 10/04/2010<br>11:36 |       |              |            |       |               |        | START TOPOUT WELL # 697-15-03B   |
| Pump Cement          | 10/04/2010<br>11:37 |       | 2            | 7.2        |       | 15.0          |        | 21 SKS. @ 12.5# 1.97 YIELD 10.96 WRQ.  |
| End Job              | 10/04/2010<br>11:48 |       |              |            |       |               |        | CIRCULATED CEMENT TO SURFACE.  |
| Start Job            | 10/04/2010<br>11:53 |       |              |            |       |               |        | 15 SKS. @ 12.5# 1.97 YIELD 10.96 WRQ.  |
| Pump Cement          | 10/04/2010<br>11:54 |       | 1.5          | 5          |       | 15.0          |        |  |
| End Job              | 10/04/2010<br>12:00 |       |              |            |       |               |        | CIRCULATED CEMENT TO SURFACE.  |
| Rig-Down Equipment   | 10/04/2010<br>12:20 |       |              |            |       |               |        | THANKS FOR USING HALLIBURTON. BRANDON REEVES AND CREW.   |

| Activity Description | Date/Time           | Cht<br># | Rate<br>bbl/<br>min | Volume<br>bbl |       | Pressure<br>psig |        | Comments   |
|----------------------|---------------------|----------|---------------------|---------------|-------|------------------|--------|--|
|                      |                     |          |                     | Stage         | Total | Tubing           | Casing |  |
| Other                | 10/04/2010<br>12:30 |          |                     |               |       |                  |        | USED APPROX. 60<br>SKS. OF TOPOUT<br>CEMENT. 175<br>SKS.LEFT ON<br>LOCATION. |

# 9 5/8" Surface



| Event Log               |                 |                              |                |
|-------------------------|-----------------|------------------------------|----------------|
| Intersection            | PP              | Intersection                 | PP             |
| 1 START JOB             | 05:00:46 -3.000 | 2 TEST LINES                 | 05:03:24 27.67 |
| 3 PUMP H2O SPACER       | 05:06:22 40.55  | 4 PUMP SUPERFLUSH SPACER     | 05:11:15 100.2 |
| 5 PUMP H2O SPACER       | 05:16:15 138.8  | 6 PUMP LEAD CEMENT           | 05:24:14 282.1 |
| 7 PUMP TAIL CEMENT      | 07:27:12 128.7  | 8 DROP TOP PLUG              | 07:43:34 33.00 |
| 9 PUMP DISPLACEMENT     | 07:44:46 48.39  | 10 SLOW RATE                 | 08:31:47 855.0 |
| 11 LAND PLUG            | 08:35:44 797.9  | 12 CHECK FLOATS              | 08:53:55 44.43 |
| 13 PRESSURE TEST CASING | 08:58:10 1471   | 14 CIRCULATE PARASITE STRING | 09:22:07 13.00 |
| 15 END JOB              | 09:30:36 0.000  |                              |                |

Customer:  
Well Number:  
Supervisor:

Job Date:  
Job Type:  
Company Rep.:

Ticket #:  
ADC Used: Yes

CemWin v1.7.2  
04-Oct-10 09:40