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**ANTERO RESOURCES**

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**DIXON FED B4  
MAMM CREEK  
Garfield County , Colorado**

**Cement Surface Casing**  
25-Feb-2011

**Post Job Report**

*The Road to Excellence Starts with Safety*

|  |                                    |   |                        |
|--|------------------------------------|---|------------------------|
| Sold To #: 337854                                    | Ship To #: 2835115                 | Quote #:  | Sales Order #: 7947716 |
| Customer: ANTERO RESOURCES                           |                                    | Customer Rep: JOE CANADY                                |                        |
| Well Name: DIXON FED                                 | Well #: B4                         | API/UWI #: 05-045-14371                                 |                        |
| Field: MAMM CREEK                                    | City (SAP): SILT                   | County/Parish: Garfield                                 | State: Colorado        |
| Lat: N 39.524 deg. OR N 39 deg. 31 min. 26.983 secs. |                                    | Long: W 107.66 deg. OR W -108 deg. 20 min. 25.166 secs. |                        |
| Contractor: FRONTIER                                 | Rig/Platform Name/Num: FRONTIER 12 |   |                        |
| Job Purpose: Cement Surface Casing                   |                                    |   |                        |
| Well Type: Development Well                          |                                    | Job Type: Cement Surface Casing                         |                        |
| Sales Person: METLI, MARSHALL                        |                                    | Srvc Supervisor: HOEFER, BRYAN                          | MBU ID Emp #: 415775   |

**Job Personnel**

| HES Emp Name        | Exp Hrs | Emp #  | HES Emp Name           | Exp Hrs | Emp #  | HES Emp Name    | Exp Hrs | Emp #  |
|---------------------|---------|--------|------------------------|---------|--------|-----------------|---------|--------|
| ANDERSON, ADAM S    | 4.5     | 456683 | COSTELDIA, BROCK James | 4.5     | 476115 | HOEFER, BRYAN D | 4.5     | 415775 |
| KEANE, JOHN Donovan | 4.5     | 486519 |                        |         |        |                 |         |        |

**Equipment**

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10533645   | 60 mile        | 10871245   | 60 mile        | 11139328   | 60 mile        | 11259885   | 60 mile        |
| 11360881   | 60 mile        |            |                |            |                |            |                |

**Job Hours**

| Date      | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|-----------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| 2/25/2011 | 4.5               | 1               |      |                   |                 |      |                   |                 |

**TOTAL** Total is the sum of each column separately

**Job**

**Job Times**

| Formation Name         | Job       |                   |              | Date            | Time            | Time Zone |     |
|------------------------|-----------|-------------------|--------------|-----------------|-----------------|-----------|-----|
| Formation Depth (MD)   | Top       | Bottom            | Called Out   | 25 - Feb - 2011 | 07:30           | MST       |     |
| Form Type              | BHST      |                   |              | On Location     | 25 - Feb - 2011 | 11:15     | MST |
| Job depth MD           | 1024.1 ft | Job Depth TVD     | 1024.1 ft    | Job Started     | 25 - Feb - 2011 | 12:44     | MST |
| Water Depth            |           | Wk Ht Above Floor | 3. ft        | Job Completed   | 25 - Feb - 2011 | 13:23     | MST |
| Perforation Depth (MD) | From      | To                | Departed Loc |                 |                 |           |     |

**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 |
|-------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
|             |            |                   |         |       |               |        |       |           |              |            |               |

**Tools and Accessories**

| Type         | Size | Qty | Make | Depth | Type        | Size | Qty | Make | Depth | Type           | Size   | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|--------|-----|------|
| Guide Shoe   |      |     |      |       | Packer      |      |     |      |       | Top Plug       | 8.625" | 1   |      |
| Float Shoe   |      |     |      |       | Bridge Plug |      |     |      |       | Bottom Plug    |        |     |      |
| Float Collar |      |     |      |       | Retainer    |      |     |      |       | SSR plug set   |        |     |      |
| Insert Float |      |     |      |       |             |      |     |      |       | Plug Container | 8.625" | 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 ft3/sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|---------|------------|------------|-----|---------|------------------------|--------------|------------------|--------------|------------------------|
|         |            |            |     |         |                        |              |                  |              |                        |

**Stage/Plug #: 1**

| Fluid # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft3/sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|---------|------------|------------|-----|---------|------------------------|--------------|------------------|--------------|------------------------|
|         |            |            |     |         |                        |              |                  |              |                        |

| Stage/Plug #: 1                          |                          |                               |        |                                   |      |                     |       |           |       |
|--|--------------------------|-------------------------------|--------|-----------------------------------|------|---------------------|-------|-----------|-------|
| 1  | Fresh Water Spacer       |                               | 20     | bbl                               | .    | .0                  | .0    | 6         |       |
| 2  | VersaCem Lead Cement     | VERSACEM (TM) SYSTEM (452010) | 110    | sacks                             | 12.3 | 2.38                | 13.75 | 6         | 13.75 |
|  | 13.75 Gal                | FRESH WATER                   |        |                                   |      |                     |       |           |       |
| 3  | SwiftCem Tail Cement     | SWIFTCEM (TM) SYSTEM (452990) | 180    | sacks                             | 14.2 | 1.43                | 6.88  | 6         | 6.72  |
|  | 6.715 Gal                | FRESH WATER                   |        |                                   |      |                     |       |           |       |
| 4  | Fresh Water Displacement |                               | 59.8   | bbl                               | .    | .0                  | .0    | 10        |       |
| Calculated Values                        |                          | Pressures                     |        | Volumes                           |      |                     |       |           |       |
| Displacement                             | 59.8                     | Shut In: Instant              |        | Lost Returns                      | 0    | Cement Slurry       | 92.4  | Pad       |       |
| Top Of Cement                            | SURFACE                  | 5 Min                         |        | Cement Returns                    | 14   | Actual Displacement | 59.8  | Treatment |       |
| Frac Gradient                            |                          | 15 Min                        |        | Spacers                           | 20   | Load and Breakdown  |       | Total Job |       |
| Rates                                    |                          |                               |        |                                   |      |                     |       |           |       |
| Circulating                              | 6                        | Mixing                        | 6      | Displacement                      | 10   | Avg. Job            | 8     |           |       |
| Cement Left In Pipe                      | Amount                   | 42.31 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*

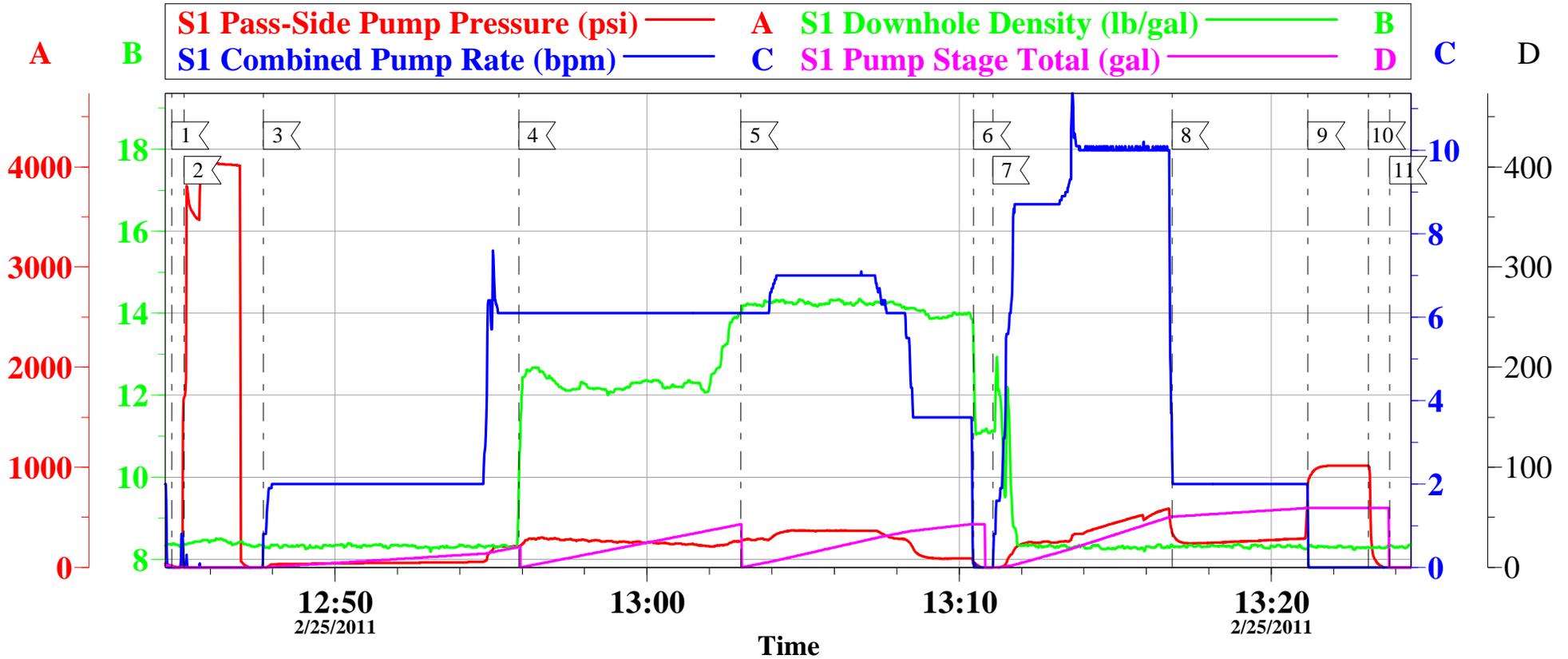
|   |                           |  |                                |
|---|---------------------------|--|--------------------------------|
| <b>Sold To #:</b> 337854                                    | <b>Ship To #:</b> 2835115 | <b>Quote #:</b>  | <b>Sales Order #:</b> 7947716  |
| <b>Customer:</b> ANTERO RESOURCES                           |                           | <b>Customer Rep:</b> JOE CANADY                                |                                |
| <b>Well Name:</b> DIXON FED                                 |                           | <b>Well #:</b> B4  | <b>API/UWI #:</b> 05-045-14371 |
| <b>Field:</b> MAMM CREEK                                    | <b>City (SAP):</b> SILT   | <b>County/Parish:</b> Garfield                                 | <b>State:</b> Colorado         |
| <b>Legal Description:</b>                                   |                           |  |                                |
| <b>Lat:</b> N 39.524 deg. OR N 39 deg. 31 min. 26.983 secs. |                           | <b>Long:</b> W 107.66 deg. OR W -108 deg. 20 min. 25.166 secs. |                                |
| <b>Contractor:</b> FRONTIER                                 |                           | <b>Rig/Platform Name/Num:</b> FRONTIER 12                      |                                |
| <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> METLI, MARSHALL                        |                           | <b>Srvc Supervisor:</b> HOEFER, BRYAN                          | <b>MBU ID Emp #:</b> 415775    |

| Activity Description                     | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments  |
|--|---------------------|-------|--------------|------------|-------|---------------|--------|---|
|  |                     |       |              | Stage      | Total | Tubing        | Casing |   |
| Call Out                                 | 02/25/2011<br>07:30 |       |              |            |       |               |        |   |
| Pre-Convoy Safety Meeting                | 02/25/2011<br>09:25 |       |              |            |       |               |        | WITH ALL HES EE'S   |
| Depart from Service Center or Other Site | 02/25/2011<br>09:30 |       |              |            |       |               |        |   |
| Arrive At Loc                            | 02/25/2011<br>11:15 |       |              |            |       |               |        | ARRIVED 15 MIN LATE, RIGGING DOWN CASING CREW UPON ARRIVAL                  |
| Assessment Of Location Safety Meeting    | 02/25/2011<br>11:20 |       |              |            |       |               |        | WITH ALL HES EE'S   |
| Pre-Rig Up Safety Meeting                | 02/25/2011<br>11:25 |       |              |            |       |               |        | WITH ALL HES EE'S   |
| Rig-Up Equipment                         | 02/25/2011<br>11:30 |       |              |            |       |               |        | IRON TO FLOOR, WATER LINES, 1 660 BULK TRUCK, F-550                         |
| Pre-Job Safety Meeting                   | 02/25/2011<br>12:30 |       |              |            |       |               |        | WITH ALL HES EE'S AND RIG CREW  |
| Start Job                                | 02/25/2011<br>12:44 |       |              |            |       |               |        | TD-1034', TP-1024.1, SJ-42.31, MUD- 9.5#, OH-12 1/4", 8 5/8" 32# J55 CASING |
| Prime Pumps                              | 02/25/2011<br>12:44 |       | 2            | 2          |       |               | 58.0   | FRESH WATER   |
| Test Lines                               | 02/25/2011<br>12:45 |       | 0.5          | 0.5        |       |               | 4400.0 | TESTED TO 4400psi, TEST HELD GREAT  |
| Pump Spacer                              | 02/25/2011<br>12:47 |       | 6            | 20         |       |               | 225.0  | FRESH WATER   |
| Pump Lead Cement                         | 02/25/2011<br>12:55 |       | 6            | 46.6       |       |               | 280.0  | 110skts OF VERSACEM PUMPED @ 12.3#, 2.38 ft3/sk, 13.75 gal/sk               |
| Pump Tail Cement                         | 02/25/2011<br>13:03 |       | 6            | 45.8       |       |               | 380.0  | 180skts OF SWIFTCEM PUMPED @ 14.2#, 1.43 ft3/sk, 6.88 gal/sk                |

| Activity Description                             | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|--|---------------------|-------|--------------|------------|-------|---------------|--------|--|
|  |                     |       |              | Stage      | Total | Tubing        | Casing |  |
| Shutdown   | 02/25/2011<br>13:10 |       |              |            |       |               |        |  |
| Drop Top Plug                                    | 02/25/2011<br>13:10 |       |              |            |       |               |        | COMPANY REP. VERIFIED PLUG LEFT HEAD   |
| Pump Displacement                                | 02/25/2011<br>13:11 |       | 10           | 59.8       |       |               | 600.0  | FRESH WATER  |
| Slow Rate  | 02/25/2011<br>13:16 |       | 2            | 50         |       |               | 300.0  | LAST 10 BBLS   |
| Bump Plug  | 02/25/2011<br>13:21 |       | 2            | 59.8       |       |               | 1020.0 | TOOK 700psi OVER   |
| Check Floats                                     | 02/25/2011<br>13:23 |       |              |            |       |               |        | FLOATS HELD, GOT .5 BBLS BACK ON RELEASE                                     |
| End Job  | 02/25/2011<br>13:23 |       |              |            |       |               |        | GOOD RETURNS THROUGHOUT JOB, 14 BBLS BACK TO THE PIT                         |
| Post-Job Safety Meeting (Pre Rig-Down)           | 02/25/2011<br>13:25 |       |              |            |       |               |        | WITH ALL HES EE'S  |
| Rig-Down Equipment                               | 02/25/2011<br>14:45 |       |              |            |       |               |        |  |
| Pre-Convoy Safety Meeting                        | 02/25/2011<br>15:30 |       |              |            |       |               |        | WITH ALL HES EE'S  |
| Depart Location for Service Center or Other Site | 02/25/2011<br>15:35 |       |              |            |       |               |        | THANK YOU FOR USING GRAND JUNCTION HALLIBURTON CEMENT, BRYAN HOEFER AND CREW |

# ANTERO

## DIXON FED B4, SURFACE



|    |                   | Local Event Log |        |         |                         |          |       |
|----|-------------------|-----------------|--------|---------|-------------------------|----------|-------|
|    |                   | Maximum         | SPPP   | Maximum | SPPP                    |          |       |
| 1  | START JOB         | 12:44:46        | 1698   | 2       | TEST LINES              | 12:45:10 | 4031  |
| 3  | PUMP SPACER       | 12:47:42        | 213.3  | 4       | PUMP LEAD CEMENT        | 12:55:53 | 301.3 |
| 5  | PUMP TAIL CEMENT  | 13:03:01        | 372.3  | 6       | SHUTDOWN/ DROP TOP PLUG | 13:10:28 | 68.30 |
| 7  | PUMP DISPLACEMENT | 13:11:05        | 588.3  | 8       | SLOW RATE               | 13:16:49 | 840.0 |
| 9  | BUMP PLUG         | 13:21:11        | 1017   | 10      | CHECK FLOATS            | 13:23:07 | 1017  |
| 11 | END JOB           | 13:23:48        | -10.70 |         |                         |          |       |

|                                |                                  |                              |
|--------------------------------|----------------------------------|------------------------------|
| Customer: ANTERO               | Job Date: 25-Feb-2011            | Sales Order #: 7947716       |
| Well Description: DIXON FED B4 | Job type: SURFACE                | ADC Used: YES                |
| Customer Rep: JOE CANADY       | Service Supervisor: BRYAN HOEFER | Operator/ Pump: ANDERSON/ #8 |