

|                           |                              |                                 |                                |                              |                                     |
|---------------------------|------------------------------|---------------------------------|--------------------------------|------------------------------|-------------------------------------|
| API/UWI<br>05071088880000 | Location<br>T34S-R67W-S19    | Field Name<br>Purgatoire River  | Permit Number<br>20062623      | State/Province<br>Colorado   | Well Configuration Type<br>Vertical |
| Gr Elev (ft)<br>7,920.00  | Casing Flange Elevation (ft) | KB-Ground Distance (ft)<br>0.00 | KB-Casing Flange Distance (ft) | Spud Date<br>1/11/2007 14:00 | Rig Release Date<br>1/14/2007 04:00 |

**Conductor Casing Cement, 1/11/2007 14:45**

|                               |                                   |                                 |                           |                               |
|-------------------------------|-----------------------------------|---------------------------------|---------------------------|-------------------------------|
| Type<br>Casing                | Cementing Start Date<br>1/11/2007 | Cementing End Date<br>1/11/2007 | Wellbore<br>Original Hole | String<br>Conductor, 23.0ftKB |
| Cementing Company<br>Wal-Mart | Evaluation Method                 | Cement Evaluation Results       |                           |                               |

Comment  
Cmt'd cond w/ 8 sks Quik-Crete

**1, 3.0-23.0ftKB**

|                                  |                                  |                                  |                             |                                  |                                 |
|----------------------------------|----------------------------------|----------------------------------|-----------------------------|----------------------------------|---------------------------------|
| Top Depth (ftKB)<br>3.0          | Bottom Depth (ftKB)<br>23.0      | Full Return?<br>Yes              | Vol Cement Ret (bbl)<br>0.0 | Top Plug?<br>No                  | Bottom Plug?<br>No              |
| Initial Pump Rate (bbl/min)<br>1 | Final Pump Rate (bbl/min)<br>1   | Avg Pump Rate (bbl/min)          |                             | Final Pump Pressure (psi)<br>0.0 | Plug Bump Pressure (psi)<br>0.0 |
| Pipe Reciprocated?<br>No         | Reciprocation Stroke Length (ft) | Reciprocation Rate (spm)         |                             | Pipe Rotated?<br>No              | Pipe RPM (rpm)                  |
| Tagged Depth (ftKB)              | Tag Method                       | Depth Plug Drilled Out To (ftKB) |                             | Drill Out Diameter (in)          | Drill Out Date                  |

**Cond Cement**

|                             |                                       |                           |                          |                                  |
|-----------------------------|---------------------------------------|---------------------------|--------------------------|----------------------------------|
| Fluid Type<br>Cond Cement   | Fluid Description<br>18               | Amount (sacks)<br>8       | Class<br>A               | Volume Pumped (bbl)<br>0.2       |
| Estimated Top (ftKB)<br>3.0 | Estimated Bottom Depth (ftKB)<br>23.0 | Percent Excess Pumped (%) | Yield (ft³/sack)<br>1.00 | Mix H2O Ratio (gal/sack)<br>5.00 |
| Free Water (%)              | Density (lb/gal)<br>18.00             | Plastic Viscosity (cP)    | Thickening Time (hr)     | 1st Compressive Strength (psi)   |

**Cement Fluid Additives**

| Add | Type | Conc |
|-----|------|------|
|     |      |      |

**Surface Casing Cement, 1/12/2007 13:45**

|  |                                   |                                 |                           |                              |
|--|-----------------------------------|---------------------------------|---------------------------|------------------------------|
| Type<br>Casing                                   | Cementing Start Date<br>1/12/2007 | Cementing End Date<br>1/13/2007 | Wellbore<br>Original Hole | String<br>Surface, 496.1ftKB |
| Cementing Company<br>Halliburton Energy Services | Evaluation Method                 | Cement Evaluation Results       |                           |                              |

Comment  
Cmt'd surf w/ 254 sks MIDCON II

**1, 2.5-500.0ftKB**

|                                  |                                  |                                  |                              |                                    |                                   |
|----------------------------------|----------------------------------|----------------------------------|------------------------------|------------------------------------|-----------------------------------|
| Top Depth (ftKB)<br>2.5          | Bottom Depth (ftKB)<br>500.0     | Full Return?<br>Yes              | Vol Cement Ret (bbl)<br>35.0 | Top Plug?<br>Yes                   | Bottom Plug?<br>No                |
| Initial Pump Rate (bbl/min)<br>3 | Final Pump Rate (bbl/min)<br>2   | Avg Pump Rate (bbl/min)<br>3     |                              | Final Pump Pressure (psi)<br>165.0 | Plug Bump Pressure (psi)<br>165.0 |
| Pipe Reciprocated?<br>No         | Reciprocation Stroke Length (ft) | Reciprocation Rate (spm)         |                              | Pipe Rotated?<br>No                | Pipe RPM (rpm)                    |
| Tagged Depth (ftKB)              | Tag Method                       | Depth Plug Drilled Out To (ftKB) |                              | Drill Out Diameter (in)            | Drill Out Date                    |

**<typ>**

|                             |  |                           |                      |                                |
|-----------------------------|--|---------------------------|----------------------|--------------------------------|
| Fluid Type                  | Fluid Description<br>8.34              | Amount (sacks)            | Class                | Volume Pumped (bbl)<br>60.0    |
| Estimated Top (ftKB)<br>0.0 | Estimated Bottom Depth (ftKB)<br>500.0 | Percent Excess Pumped (%) | Yield (ft³/sack)     | Mix H2O Ratio (gal/sack)       |
| Free Water (%)<br>100.00    | Density (lb/gal)<br>8.34               | Plastic Viscosity (cP)    | Thickening Time (hr) | 1st Compressive Strength (psi) |

**Cement Fluid Additives**

| Add | Type | Conc |
|-----|------|------|
|     |      |      |

**Primary Cement**

|                              |  |                           |                          |                                  |
|------------------------------|--|---------------------------|--------------------------|----------------------------------|
| Fluid Type<br>Primary Cement | Fluid Description<br>14.00             | Amount (sacks)<br>254     | Class<br>Type III        | Volume Pumped (bbl)<br>75.0      |
| Estimated Top (ftKB)<br>2.5  | Estimated Bottom Depth (ftKB)<br>500.0 | Percent Excess Pumped (%) | Yield (ft³/sack)<br>1.66 | Mix H2O Ratio (gal/sack)<br>7.76 |
| Free Water (%)               | Density (lb/gal)<br>14.00              | Plastic Viscosity (cP)    | Thickening Time (hr)     | 1st Compressive Strength (psi)   |

**Cement Fluid Additives**

| Add | Type | Conc |
|-----|------|------|
|     |      |      |

**Displacement**

|                             |  |                           |                      |                                |
|-----------------------------|--|---------------------------|----------------------|--------------------------------|
| Fluid Type<br>Displacement  | Fluid Description<br>8.34              | Amount (sacks)            | Class                | Volume Pumped (bbl)<br>28.0    |
| Estimated Top (ftKB)<br>2.5 | Estimated Bottom Depth (ftKB)<br>440.0 | Percent Excess Pumped (%) | Yield (ft³/sack)     | Mix H2O Ratio (gal/sack)       |
| Free Water (%)<br>100.00    | Density (lb/gal)<br>8.34               | Plastic Viscosity (cP)    | Thickening Time (hr) | 1st Compressive Strength (psi) |

|                           |                              |                                 |                                |                              |                                     |
|---------------------------|------------------------------|---------------------------------|--------------------------------|------------------------------|-------------------------------------|
| API/UWI<br>05071088880000 | Location<br>T34S-R67W-S19    | Field Name<br>Purgatoire River  | Permit Number<br>20062623      | State/Province<br>Colorado   | Well Configuration Type<br>Vertical |
| Gr Elev (ft)<br>7,920.00  | Casing Flange Elevation (ft) | KB-Ground Distance (ft)<br>0.00 | KB-Casing Flange Distance (ft) | Spud Date<br>1/11/2007 14:00 | Rig Release Date<br>1/14/2007 04:00 |

| Cement Fluid Additives |      |      |
|------------------------|------|------|
| Add                    | Type | Conc |
|                        |      |      |

| Production Casing Cement, 1/14/2007 07:00        |                                   |                                 |                           |                                   |
|--|-----------------------------------|---------------------------------|---------------------------|-----------------------------------|
| Type<br>Casing                                   | Cementing Start Date<br>1/14/2007 | Cementing End Date<br>1/14/2007 | Wellbore<br>Original Hole | String<br>Production, 2,466.2ftKB |
| Cementing Company<br>Halliburton Energy Services | Evaluation Method                 | Cement Evaluation Results       |                           |                                   |
| Comment  |                                   |                                 |                           |                                   |

| 1, 1,652.7-2,500.0ftKB           |                                  |                                  |                             |                                    |                                     |
|----------------------------------|----------------------------------|----------------------------------|-----------------------------|------------------------------------|-------------------------------------|
| Top Depth (ftKB)<br>1,652.7      | Bottom Depth (ftKB)<br>2,500.0   | Full Return?<br>Yes              | Vol Cement Ret (bbl)<br>0.0 | Top Plug?<br>Yes                   | Bottom Plug?<br>Yes                 |
| Initial Pump Rate (bbl/min)<br>4 | Final Pump Rate (bbl/min)<br>4   | Avg Pump Rate (bbl/min)<br>4     |                             | Final Pump Pressure (psi)<br>510.0 | Plug Bump Pressure (psi)<br>1,400.0 |
| Pipe Reciprocated?<br>No         | Reciprocation Stroke Length (ft) | Reciprocation Rate (spm)         |                             | Pipe Rotated?<br>No                | Pipe RPM (rpm)                      |
| Tagged Depth (ftKB)              | Tag Method                       | Depth Plug Drilled Out To (ftKB) |                             | Drill Out Diameter (in)            | Drill Out Date                      |

| Production Cement               |                               |                           |                          |                                |
|---------------------------------|-------------------------------|---------------------------|--------------------------|--------------------------------|
| Fluid Type<br>Production Cement | Fluid Description             | Amount (sacks)<br>140     | Class<br>Midcon II       | Volume Pumped (bbl)            |
| Estimated Top (ftKB)            | Estimated Bottom Depth (ftKB) | Percent Excess Pumped (%) | Yield (ft³/sack)<br>2.04 | Mix H2O Ratio (gal/sack)       |
| Free Water (%)                  | Density (lb/gal)<br>13.00     | Plastic Viscosity (cP)    | Thickening Time (hr)     | 1st Compressive Strength (psi) |

| Cement Fluid Additives |      |      |
|------------------------|------|------|
| Add                    | Type | Conc |
|                        |      |      |

| 2, 159.0-1,652.7ftKB             |                                  |                                  |                              |                                    |                                     |
|----------------------------------|----------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------------|
| Top Depth (ftKB)<br>159.0        | Bottom Depth (ftKB)<br>1,652.7   | Full Return?<br>Yes              | Vol Cement Ret (bbl)<br>60.0 | Top Plug?<br>Yes                   | Bottom Plug?<br>Yes                 |
| Initial Pump Rate (bbl/min)<br>4 | Final Pump Rate (bbl/min)<br>4   | Avg Pump Rate (bbl/min)<br>4     |                              | Final Pump Pressure (psi)<br>500.0 | Plug Bump Pressure (psi)<br>1,800.0 |
| Pipe Reciprocated?<br>No         | Reciprocation Stroke Length (ft) | Reciprocation Rate (spm)         |                              | Pipe Rotated?<br>No                | Pipe RPM (rpm)                      |
| Tagged Depth (ftKB)              | Tag Method                       | Depth Plug Drilled Out To (ftKB) |                              | Drill Out Diameter (in)            | Drill Out Date                      |

| Production Cement               |                               |                           |                          |                                |
|---------------------------------|-------------------------------|---------------------------|--------------------------|--------------------------------|
| Fluid Type<br>Production Cement | Fluid Description             | Amount (sacks)<br>155     | Class                    | Volume Pumped (bbl)            |
| Estimated Top (ftKB)            | Estimated Bottom Depth (ftKB) | Percent Excess Pumped (%) | Yield (ft³/sack)<br>2.56 | Mix H2O Ratio (gal/sack)       |
| Free Water (%)                  | Density (lb/gal)<br>12.00     | Plastic Viscosity (cP)    | Thickening Time (hr)     | 1st Compressive Strength (psi) |

| Cement Fluid Additives |      |      |
|------------------------|------|------|
| Add                    | Type | Conc |
|                        |      |      |

| Production Cement               |                               |                           |                          |                                |
|---------------------------------|-------------------------------|---------------------------|--------------------------|--------------------------------|
| Fluid Type<br>Production Cement | Fluid Description             | Amount (sacks)<br>90      | Class                    | Volume Pumped (bbl)            |
| Estimated Top (ftKB)            | Estimated Bottom Depth (ftKB) | Percent Excess Pumped (%) | Yield (ft³/sack)<br>2.04 | Mix H2O Ratio (gal/sack)       |
| Free Water (%)                  | Density (lb/gal)<br>13.30     | Plastic Viscosity (cP)    | Thickening Time (hr)     | 1st Compressive Strength (psi) |

| Cement Fluid Additives |      |      |
|------------------------|------|------|
| Add                    | Type | Conc |
|                        |      |      |