

CEMENT JOB REPORT



| CUSTOMER PETROLEUM DEVELOPMENT | | DATE 05-OCT-12 | F.R. # 1001939321 | SERV. SUPV. COLE W MARRIOTT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------|----------------------------------|-------------------------|--------------------------------------|---------------------|--|----------------|---|---|----------|------------|--------|-------------|------|-----------------|----------------|----------------------------|-----------|------------------|------------|---------------|-------------|---|---|------|---|---|-------|----|--|-----------------------|---|----|------|------|------|--|-------|------|-------------|---|---|-----|---|---|-------|----|--|-------------|---|---|-----|---|---|-------|----|--|-----------------------|---|----|------|------|------|-------|-------|------|-------------|---|---|-----|---|---|-------|----|--|-------------|---|---|-----|---|---|-------|----|--|---------------------------------|---|----|------|------|------|-------|-------|------|-------------|---|---|-----|---|---|-------|----|--|-------------|---|---|-----|---|---|-------|----|--|-------------|---|---|-----|---|---|-------|---|--|----------------|---|-----|------|------|------|--|--------|-------|------------------------------|--|---------------------------------|--|--------------------|--|
| LEASE & WELL NAME MAGNUSSON #1-23 - API 05123112930000 | | LOCATION SEC 23 - 7 N - 66 W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # W/O | | TYPE OF JOB Plug & Abandon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIZE & TYPE OF PLUGS | LIST-CSG-HARDWARE | MECHANICAL BARRIERS | MD | TVD | HANGER TYPES MD TVD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">MATERIALS FURNISHED BY BJ</th> <th rowspan="2">LAB REPORT NO.</th> <th colspan="7">PHYSICAL SLURRY PROPERTIES</th> </tr> <tr> <th>SACKS OF CEMENT</th> <th>SLURRY WGT PPG</th> <th>SLURRY YLD FT³</th> <th>WATER GPS</th> <th>PUMP TIME HR:MIN</th> <th>Bbl SLURRY</th> <th>Bbl MIX WATER</th> </tr> </thead> <tbody> <tr> <td>Fresh Water</td> <td>0</td> <td>0</td> <td>8.34</td> <td>0</td> <td>0</td> <td>00:00</td> <td>43</td> <td></td> </tr> <tr> <td>Class "G" + additives</td> <td>0</td> <td>50</td> <td>15.8</td> <td>1.36</td> <td>5.69</td> <td></td> <td>12.09</td> <td>6.78</td> </tr> <tr> <td>Fresh water</td> <td>0</td> <td>0</td> <td>8.3</td> <td>0</td> <td>0</td> <td>00:00</td> <td>20</td> <td></td> </tr> <tr> <td>Fresh water</td> <td>0</td> <td>0</td> <td>8.3</td> <td>0</td> <td>0</td> <td>00:00</td> <td>20</td> <td></td> </tr> <tr> <td>Class "G" + additives</td> <td>0</td> <td>50</td> <td>15.8</td> <td>1.36</td> <td>5.69</td> <td>01:30</td> <td>12.09</td> <td>6.78</td> </tr> <tr> <td>Fresh water</td> <td>0</td> <td>0</td> <td>8.3</td> <td>0</td> <td>0</td> <td>00:00</td> <td>40</td> <td></td> </tr> <tr> <td>Fresh water</td> <td>0</td> <td>0</td> <td>8.3</td> <td>0</td> <td>0</td> <td>00:00</td> <td>20</td> <td></td> </tr> <tr> <td>Premium Lite Cement + additives</td> <td>0</td> <td>70</td> <td>15.8</td> <td>1.15</td> <td>5.00</td> <td>01:30</td> <td>14.31</td> <td>8.33</td> </tr> <tr> <td>Fresh water</td> <td>0</td> <td>0</td> <td>8.3</td> <td>0</td> <td>0</td> <td>00:00</td> <td>25</td> <td></td> </tr> <tr> <td>Fresh water</td> <td>0</td> <td>0</td> <td>8.3</td> <td>0</td> <td>0</td> <td>00:00</td> <td>20</td> <td></td> </tr> <tr> <td>Fresh water</td> <td>0</td> <td>0</td> <td>8.3</td> <td>0</td> <td>0</td> <td>00:00</td> <td>1</td> <td></td> </tr> <tr> <td>Class "G" Neat</td> <td>0</td> <td>600</td> <td>15.8</td> <td>1.15</td> <td>5.00</td> <td></td> <td>122.68</td> <td>71.40</td> </tr> <tr> <td colspan="2">Available Mix Water 500 Bbl.</td> <td colspan="2">Available Displ. Fluid 200 Bbl.</td> <td colspan="2">TOTAL 350.17 93.29</td> </tr> </tbody> </table> | | | | | | MATERIALS FURNISHED BY BJ | LAB REPORT NO. | PHYSICAL SLURRY PROPERTIES | | | | | | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ³ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER | Fresh Water | 0 | 0 | 8.34 | 0 | 0 | 00:00 | 43 | | Class "G" + additives | 0 | 50 | 15.8 | 1.36 | 5.69 | | 12.09 | 6.78 | Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 20 | | Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 20 | | Class "G" + additives | 0 | 50 | 15.8 | 1.36 | 5.69 | 01:30 | 12.09 | 6.78 | Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 40 | | Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 20 | | Premium Lite Cement + additives | 0 | 70 | 15.8 | 1.15 | 5.00 | 01:30 | 14.31 | 8.33 | Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 25 | | Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 20 | | Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 1 | | Class "G" Neat | 0 | 600 | 15.8 | 1.15 | 5.00 | | 122.68 | 71.40 | Available Mix Water 500 Bbl. | | Available Displ. Fluid 200 Bbl. | | TOTAL 350.17 93.29 | |
| MATERIALS FURNISHED BY BJ | LAB REPORT NO. | PHYSICAL SLURRY PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ³ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresh Water | 0 | 0 | 8.34 | 0 | 0 | 00:00 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Class "G" + additives | 0 | 50 | 15.8 | 1.36 | 5.69 | | 12.09 | 6.78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Class "G" + additives | 0 | 50 | 15.8 | 1.36 | 5.69 | 01:30 | 12.09 | 6.78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Premium Lite Cement + additives | 0 | 70 | 15.8 | 1.15 | 5.00 | 01:30 | 14.31 | 8.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fresh water | 0 | 0 | 8.3 | 0 | 0 | 00:00 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Class "G" Neat | 0 | 600 | 15.8 | 1.15 | 5.00 | | 122.68 | 71.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Available Mix Water 500 Bbl. | | Available Displ. Fluid 200 Bbl. | | TOTAL 350.17 93.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 0 | 7782 | 8.097 | 8.625 | 24 | CSG | 320 | 320 | J-55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAST CASING | | | PKR-CMT RET-BR PL-LINER | | | PERF. DEPTH | | | TOP CONN | | WELL FLUID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ID | OD | WGT. | TYPE | MD | TVD | BRAND & TYPE | | DEPTH | TOP | BTM | SIZE | THREAD | TYPE | WGT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | No packer | | 0 | | | 2.875 | 8RD | WATER BASED | 8.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISPL. VOLUME | | DISPL. FLUID | | CAL. PSI | CAL. MAX PSI | OP. MAX | MAX TBG PSI | | MAX CSG PSI | | MIX WATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOLUME | UOM | TYPE | WGT. | BUMP PLUG | TO REV. | SQ. PSI | RATED | Operator | RATED | Operator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44.3 | BBLS | Fresh Water | 8.34 | 0 | 0 | 0 | 5792 | 3000 | 6224 | 3000 | Frac tank | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Fresh water | 8.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circulation Prior to Job | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | | | Circulation Time: 1 | | | Circulation Rate: 2 BPM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mud Density In: 8.34 LBS/GAL Mud Density Out: 8.34 LBS/GAL | | | | | | PV & YP Mud In: 0 | | | PV & YP Mud Out: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units: | | | | | | Solids Present at End of Circulation: | | | NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Displacement And Mud Removal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/> | | | | | | Amount Bled Back After Job: 0 BBLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL | | | | | | Method Used to Verify Returns: Visual | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | Quantity: | | Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plugs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Attempts by BJ: 4 Competition: 4 | | | | | | Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | Top of Plug: 0 FT | | | Bottom of Plug: 7782 FT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CEMENT JOB REPORT



Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☐
 Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
 None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 None

PRESSURE/RATE DETAIL

EXPLANATION

| TIME HR:MIN. | PRESSURE - PSI | | RATE BPM | Bbl. FLUID PUMPED | FLUID TYPE | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> | |
|-----------------|----------------|---------|-------------|----------------------|---------------|--|---|
| | PIPE | ANNULUS | | | | TEST LINES | 4435 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 21:45 | 0 | 0 | 0 | 0 | N/A | Arrive on location 46 miles | |
| 21:55 | 0 | 0 | 0 | 0 | N/A | Spot trucks rig running casing | |
| 22:05 | 0 | 0 | 0 | 0 | N/A | Pre rig up safety meeting | |
| 00:15 | 0 | 0 | 0 | 0 | N/A | Pre job safety meeting | |
| 00:28 | 4435 | 0 | 0 | 0 | H2O | Pressure test | |
| 00:33 | 163 | 0 | 2.1 | 4 | H2O | Fresh water spacer | |
| 00:40 | 75 | 0 | 1.1 | 12 | CMT | Batch up weigh and pump 50 sxs of Class G Cement +0.2% R-3 + 20% Silica Flour | |
| 00:56 | 326 | 0 | 2.1 | 38.5 | H2O | Displacement. We got a pressure increase earlier than expected so we shut down. It bleed back a small amount | |
| 01:15 | 0 | 0 | 0 | 0 | N/A | Shut down | |
| 04:30 | 0 | 0 | 0 | 0 | N/A | Tried to tag Cement never did. Then pulled out wet tubing strings so it must not be set up yet. | |
| 07:14 | 828 | 0 | 3 | 20 | H2O | Fresh water | |
| 07:23 | 260 | 0 | 2.1 | 15 | CMT | Batch up weigh and pump 50 sxs of Class G Cement +0.2% R-3 + 20% Silica Flour | |
| 07:33 | 341 | 0 | 3 | 40 | H2O | Displacement | |
| 07:45 | 0 | 0 | 0 | 0 | N/A | Shut down | |
| 12:58 | 230 | 0 | 2.1 | 15 | H2O | Fresh water | |
| 13:06 | 314 | 0 | 2.1 | 14 | CMT | Batch up weigh and pump 70 sxs of Class G Cement | |
| 13:22 | 255 | 0 | 3 | 23 | H2O | Displacement | |
| 13:30 | 0 | 0 | 0 | 0 | N/A | Shut down | |
| 20:00 | 311 | 0 | 3.1 | 12 | H2O | Fresh water | |
| 20:06 | 305 | 0 | 2.1 | 109 | CMT | Batch up weigh and pump 680 sxs of Class G Cement | |
| 20:54 | 299 | 0 | 2.1 | .5 | H2O | Displacement | |

BUMPED
PLUG
Y ☐ N ☒

PSI TO
BUMP
PLUG

TEST
FLOAT
EQUIP.
Y ☐ N ☒

BBL.CMT
RETURNS/
REVERSED
10

TOTAL
BBL.
PUMPED
303

PSI
LEFT ON
CSG
0

SPOT
TOP OUT
CEMENT
Y ☐ N ☒

Service Supervisor Signature:

[Handwritten Signature]
Antonio Barrantes



BJ Services JobMaster Program Version 3.50

Job Number: 1001939321

Customer: PDC

Well Name: Magnusson 1-23

C990

