

# CEMENT JOB REPORT



|   |                                   |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
|---|-----------------------------------|--|-------------------------|--|---------------------|----------------------------|-------------|---|------------|---------------|----------|---|-------------|-----------|
| CUSTOMER TEKTON ENERGY LLC  |                                   | DATE 01-MAR-12                         | F.R. # 1001891668       | SERV. SUPV. RYAN R STEVENS   |                     |                            |             |   |            |               |          |   |             |           |
| LEASE & WELL NAME<br>PAVISTMA #4-2-32 - API 05123349260000  |                                   | LOCATION<br>32-6N-67W                  |                         | COUNTY-PARISH-BLOCK<br>Weld Colorado   |                     |                            |             |   |            |               |          |   |             |           |
| DISTRICT<br>Brighton  |                                   | DRILLING CONTRACTOR RIG #<br>ENSIGN 55 |                         | TYPE OF JOB<br>Surface   |                     |                            |             |   |            |               |          |   |             |           |
| SIZE & TYPE OF PLUGS  | LIST-CSG-HARDWARE                 | MECHANICAL BARRIERS                    | MD                      | TVD  | HANGER TYPES MD TVD |                            |             |   |            |               |          |   |             |           |
| Cement Plug, Rubber, Top 8-5/8 in   | Alum Baffle Plate, Slip On, 8-5/8 |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
|   | Guide Shoe, Cement Nose, 8-5/8 in |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
| MATERIALS FURNISHED BY BJ   |                                   | LAB REPORT NO.                         |                         | PHYSICAL SLURRY PROPERTIES   |                     |                            |             |   |            |               |          |   |             |           |
|   |                                   |  |                         | SACKS OF CEMENT  | SLURRY WGT PPG      | SLURRY YLD FT <sup>3</sup> | WATER GPS   | PUMP TIME HR:MIN  | Bbl SLURRY | Bbl MIX WATER |          |   |             |           |
| Fresh Water   |                                   |  |                         | 0  | 8.34                | 0                          | 0           | 00:00   | 53.6       |               |          |   |             |           |
| Fresh Water + Dye   |                                   |  |                         | 0  | 8.34                | 0                          | 0           | 00:00   | 10         |               |          |   |             |           |
| Type III+1.5%CaCl+.15#/skCF   |                                   |  |                         | 346  | 14.5                | 1.41                       | 6.82        | 02:30   | 90.15      | 58.46         |          |   |             |           |
| Fresh Water   |                                   |  |                         | 0  | 8.34                | 0                          | 0           | 00:00   | 20         |               |          |   |             |           |
| Available Mix Water 500 Bbl.  |                                   | Available Displ. Fluid 400 Bbl.        |                         | TOTAL  |                     | 173.75                     |             | 58.46   |            |               |          |   |             |           |
| HOLE  |                                   | TBG-CSG-D.P.                           |                         |  |                     | COLLAR DEPTHS              |             |   |            |               |          |   |             |           |
| SIZE  | % EXCESS                          | DEPTH                                  | ID                      | OD   | WGT.                | TYPE                       | MD          | TVD   | GRADE      | SHOE          | FLOAT    | STAGE   |             |           |
| 12.25   | 0                                 | 850                                    | 8.097                   | 8.625  | 24                  | CSG                        | 850         | 850   | J-55       |               |          | 0   |             |           |
| 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 linerq                  |             |   |            |               | 8.625    | 8RD   | WATER BASED | 9.2       |
| 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      |          |   |             |           |
| 53.6  | BBLs                              | Fresh Water                            | 8.34                    | 270  | 0                   | 0                          | 0           | 0   | 2360       | 1500          | Rig atnk |   |             |           |
| Circulation Prior to Job  |                                   |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>  |                                   |  |                         | Circulation Time: 1  |                     |                            |             | Circulation Rate: 5 BPM   |            |               |          |   |             |           |
| Mud Density In: 9.4 LBS/GAL   |                                   |  |                         | Mud Density Out: 9.4 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"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE      |                                   |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES   |                                   |  |                         | Quantity: 6  |                     |                            |             | Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID                              |            |               |          |   |             |           |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD |                                   |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
| Plugs   |                                   |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
| Number of Attempts by BJ: 0   |                                   |  |                         | Competition: 0   |                     |                            |             | 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: 0 FT  |            |               |          |   |             |           |
| Squeezes (Update Original Treatment Report for Primary Job)   |                                   |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
| BLOCK SQUEEZE <input type="checkbox"/>  |                                   |  |                         | SHOE SQUEEZE <input type="checkbox"/>  |                     |                            |             | TOP OF LINER SQUEEZE <input type="checkbox"/>   |            |               |          | PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/> |             |           |
| Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES   |                                   |  |                         | Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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  |            |               |          |   |             |           |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None   |                                   |  |                         |  |                     |                            |             |   |            |               |          |   |             |           |
| PRESSURE/RATE DETAIL  |                                   |  |                         |  |                     |                            | EXPLANATION |   |            |               |          |   |             |           |

# CEMENT JOB REPORT



## 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)<br>None                        |   |                       |
| Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)<br>None |   |                       |
| Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)<br>None                   |   |                       |

| PRESSURE/RATE DETAIL   |                        |  |                                 |                         |                       | EXPLANATION   |   |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|---|---|
| TIME<br>HR:MIN.  | PRESSURE - PSI         |  | RATE<br>BPM                     | Bbl. FLUID<br>PUMPED    | FLUID<br>TYPE         | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>          |   |
|  | PIPE                   | ANNULUS  |                                 |                         |                       | TEST LINES  | 3459 PSI  |
|  |                        |  |                                 |                         |                       | CIRCULATING WELL - RIG  | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 07:00  | 0                      | 0  | 0                               | 0                       | N/A                   | Yard call   |   |
| 10:43  | 0                      | 0  | 0                               | 0                       | N/A                   | Time arrived on location ( 37 Miles ) Rig was running casing  |   |
| 11:45  | 0                      | 0  | 0                               |                         | N/A                   | Rig down casers/ Rig start circulating hole untill baker hughes is ready to pump                                  |   |
| 12:23  | 0                      | 0  | 0                               | 0                       | N/A                   | Spot Trucks   |   |
| 12:26  | 0                      | 0  | 0                               | 0                       | N/A                   | Pre rig up safety meeting / start ground rig up   |   |
| 13:03  | 0                      | 0  | 0                               | 0                       | N/A                   | Finish ground rig up  |   |
| 13:06  | 0                      | 0  | 0                               | 0                       | N/A                   | Pre job safety meeting  |   |
| 13:10  | 0                      | 0  | 0                               | 0                       | N/A                   | Rig up head and manifold  |   |
| 13:29  | 3459                   | 0  | 0                               | 0                       | WATER                 | Pressure test pumps and lines   |   |
| 13:33  | 165                    | 0  | 6                               | 20                      | WATER                 | Fresh water   |   |
| 13:35  | 148                    | 0  | 6                               | 10                      | WATER                 | Fresh water + Dye   |   |
| 13:41  | 211                    | 0  | 4.9                             | 80                      | CEMENT                | Batch up weigh and pump 346 SXS of Type III + 2.5% Cacl2 + 0.15 lbs/sack Cello Flake + 0.08 staic free @ 14.5 PPG |   |
| 14:01  | 0                      | 0  | 0                               | 0                       | N/A                   | Release plug  |   |
| 14:05  | 83                     | 0  | 6                               | 45                      | WATER                 | Displacement  |   |
| 14:15  | 310                    | 0  | 1                               | 9                       | WATER                 | Drop rate   |   |
| 14:24  | 272                    | 0  | 1                               | 54                      | WATER                 | Shut down close in head   |   |
| 14:25  | 0                      | 0  | 0                               | 0                       | N/A                   | Pre rig down safety meeting   |   |
| 15:05  | 0                      | 0  | 0                               | 0                       | N/A                   | Time off location   |   |
| BUMPED<br>PLUG   | PSI TO<br>BUMP<br>PLUG | TEST<br>FLOAT<br>EQUIP.  | BBL.CMT<br>RETURNS/<br>REVERSED | TOTAL<br>BBL.<br>PUMPED | PSI<br>LEFT ON<br>CSG | SPOT<br>TOP OUT<br>CEMENT   | Service Supervisor Signature:                                   |
| Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | 0                      | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | 21                              | 164                     | 272                   | Y <input type="checkbox"/> N <input checked="" type="checkbox"/>  |   |





BJ Services JobMaster Program Version 3.50  
Job Number: 1001891668  
Customer: Tekton  
Well Name: pavistma 4-2-32

