

## CEMENT JOB REPORT



|  |                 |   |             |   |                       |   |                    |                    |
|--|-----------------|---|-------------|---|-----------------------|---|--------------------|--------------------|
| <b>CUSTOMER</b> TEKTON ENERGY LLC  |                 | <b>DATE</b> 24-JAN-14                           |             | <b>F.R. #</b> 10011041313   |                       | <b>SERV. SUPV.</b> BARLEN M JOYNER                                |                    |                    |
| <b>LEASE &amp; WELL NAME</b><br>KODAK #4 7-1-28-270-4-NH - API 05123372580000  |                 | <b>LOCATION</b><br>27-6N-67W                    |             | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado   |                       |   |                    |                    |
| <b>DISTRICT</b><br>Brighton  |                 | <b>DRILLING CONTRACTOR RIG #</b><br>Frontier 10 |             | <b>TYPE OF JOB</b><br>Intermediate  |                       |   |                    |                    |
| <b>SIZE &amp; TYPE OF PLUGS</b>  |                 | <b>LIST-CSG-HARDWARE</b>                        |             | <b>MECHANICAL BARRIERS</b>  |                       | <b>MD</b>   | <b>TVD</b>         |                    |
| Cement Plug, Rubber, Top 7 in  |                 | Float Collar, AI Flap, 7 - 8rd                  |             | NONE  |                       | 0   | 0                  |                    |
|  |                 | Centralizer, with Pins, 7 in                    |             |   |                       |   |                    |                    |
|  |                 | Float Shoe 7 - 8rd                              |             |   |                       |   |                    |                    |
| <b>MATERIALS FURNISHED BY BJ</b>   |                 | <b>LAB REPORT NO.</b>                           |             | <b>PHYSICAL SLURRY PROPERTIES</b>   |                       |   |                    |                    |
|  |                 |   |             | <b>SACKS OF CEMENT</b>  | <b>SLURRY WGT PPG</b> | <b>SLURRY YLD FT<sup>3</sup></b>                                  | <b>WATER GPS</b>   |                    |
| Fresh Water Spacer   |                 | 0   |             | 0   | 8.34                  | 0   | 0                  |                    |
| UltraFlush Spacer  |                 | 0   |             | 0   | 11.5                  | 0   | 0                  |                    |
| PLC + Adds   |                 | 0   |             | 570   | 12.7                  | 1.86  | 9.99               |                    |
| 50:50 + Adds   |                 | 0   |             | 190   | 14.4                  | 1.45  | 6.34               |                    |
| Fresh Water  |                 | 0   |             | 0   | 8.34                  | 0   | 0                  |                    |
| <b>Available Mix Water</b> 700 <b>Bbl.</b>   |                 | <b>Available Displ. Fluid</b> 200 <b>Bbl.</b>   |             | <b>TOTAL</b>  |                       | 569.99  | 164.57             |                    |
| <b>HOLE</b>  |                 | <b>TBG-CSG-D.P.</b>                             |             |   |                       | <b>COLLAR DEPTHS</b>  |                    |                    |
| <b>SIZE</b>  | <b>% EXCESS</b> | <b>DEPTH</b>                                    | <b>ID</b>   | <b>OD</b>   | <b>WGT.</b>           | <b>TYPE</b>   | <b>MD</b>          | <b>TVD</b>         |
| 8.75   | 0               | 7690  | 6.276       | 7   | 26                    | CSG   | 7680               | 6978               |
|  |                 |   |             |   |                       |   | P-110              |                    |
|  |                 |   |             |   |                       |   | 7680               | 7633               |
|  |                 |   |             |   |                       |   |                    | 0                  |
| <b>LAST CASING</b>   |                 | <b>PKR-CMT RET-BR PL-LINER</b>                  |             | <b>PERF. DEPTH</b>  |                       | <b>TOP CONN</b>   |                    | <b>WELL FLUID</b>  |
| <b>ID</b>  | <b>OD</b>       | <b>WGT</b>                                      | <b>TYPE</b> | <b>MD</b>   | <b>TVD</b>            | <b>BRAND &amp; TYPE</b>   | <b>DEPTH</b>       | <b>TOP</b>         |
| 8.9  | 9.63            | 36  | CSG         | 500   | 500                   | NO LINER  | 0                  | 0                  |
|  |                 |   |             |   |                       |   |                    | 0                  |
|  |                 |   |             |   |                       |   |                    | 7                  |
|  |                 |   |             |   |                       |   |                    | 8RD                |
|  |                 |   |             |   |                       |   |                    | WATER BASED        |
|  |                 |   |             |   |                       |   |                    | 9.5                |
| <b>DISPL. VOLUME</b>   |                 | <b>DISPL. FLUID</b>                             |             | <b>CAL. PSI</b>   | <b>CAL. MAX PSI</b>   | <b>OP. MAX</b>  | <b>MAX TBG PSI</b> | <b>MAX CSG PSI</b> |
| <b>VOLUME</b>  | <b>UOM</b>      | <b>TYPE</b>                                     | <b>WGT.</b> | <b>BUMP PLUG</b>  | <b>TO REV.</b>        | <b>SQ. PSI</b>  | <b>RATED</b>       | <b>Operator</b>    |
| 292.1  | BBLS            | Fresh Water                                     | 8.34        | 1904  | 0                     | 0   | 0                  | 0                  |
|  |                 |   |             |   |                       |   |                    | 6780               |
|  |                 |   |             |   |                       |   |                    | 3000               |
|  |                 |   |             |   |                       |   |                    | RIG TANK           |
| <b>Circulation Prior to Job</b>  |                 |   |             |   |                       |   |                    |                    |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>   |                 |   |             | Circulation Time: 1   |                       | Circulation Rate: 5 BPM   |                    |                    |
| Mud Density In: 9.5 LBS/GAL Mud Density Out: 9.5 LBS/GAL   |                 |   |             | PV & YP Mud In: 36  |                       | PV & YP Mud Out: 36   |                    |                    |
| 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"/> |                       |   |                    |                    |
| <b>Displacement And Mud Removal</b>  |                 |   |             |   |                       |   |                    |                    |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>  |                 |   |             | Amount Bled Back After Job: 3 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO   |                 |   |             | Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES      |                       |   |                    |                    |
| Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input checked="" type="checkbox"/> UNABLE DUE TO STUCK PIPE             |                 |   |             |   |                       |   |                    |                    |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES  |                 |   |             | Quantity: 58  |                       | Type: <input 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        |                 |   |             |   |                       |   |                    |                    |
| <b>Plugs</b>   |                 |   |             |   |                       |   |                    |                    |
| 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  |                       |   |                    |                    |
| <b>Squeezes (Update Original Treatment Report for Primary Job)</b>   |                 |   |             |   |                       |   |                    |                    |
| 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                            |                    |                    |
| <b>Casing Test (Update Original Treatment Report for Primary Job)</b>  |                 |   |             |   |                       |   |                    |                    |
| Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud   |                 |   |             | Time Held: 00 Hours 00 Minutes  |                       |   |                    |                    |
| <b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE</b>   |                 |   |             |   |                       |   |                    |                    |

# 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)  
 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<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 4127 PSI   |                               |
|  |                                |   |                                      |                                |                            | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>                            |                               |
| 03:30  | 0                              | 0   | 0                                    | 0                              | N/A                        | YARD CALL   |                               |
| 06:40  | 0                              | 0   | 0                                    | 0                              | N/A                        | ARRIVE ON LOCATION (38 MILES) FEW JOINTS LEFT TO RUN  |                               |
| 07:00  | 0                              | 0   | 0                                    | 0                              | N/A                        | SPOT TRUCKS   |                               |
| 07:10  | 0                              | 0   | 0                                    | 0                              | N/A                        | PRE-RIG UP SAFETY MEETING   |                               |
| 08:10  | 0                              | 0   | 0                                    | 0                              | N/A                        | SAFETY MEETING  |                               |
| 09:25  | 4127                           | 0   | 0                                    | 0                              | WATER                      | PRESSURE TEST   |                               |
| 09:30  | 833                            | 0   | 6                                    | 20                             | WATER                      | FRESH WATER SPACER  |                               |
| 09:36  | 605                            | 0   | 4.9                                  | 20                             | WATER                      | ULTRA-FLUSH SPACER  |                               |
| 09:48  | 605                            | 0   | 4.8                                  | 185                            | CMT                        | BATCH UP, WEIGH AND PUMP 570 SX OF PLC + 0.7% FL-52 + 0.2% ASA-301 + 6% BENTONITE @ 12.7 PPG                      |                               |
| 10:33  | 277                            | 0   | 3.7                                  | 48                             | CMT                        | BATCH UP, WEIGH AND PUMP 190 SX OF POZ/G + 0.2% CD-32 + 0.5% FL-52 + 0.3% SMS + 20% S-8 + 2% BENTONITE @ 14.4 PPG |                               |
| 10:46  | 0                              | 0   | 0                                    | 0                              | N/A                        | RELEASE PLUG  |                               |
| 10:50  | 353                            | 0   | 7.2                                  | 262                            | H2O                        | START DISPLACEMENT  |                               |
| 11:29  | 2171                           | 0   | 6                                    | 10                             | H2O                        | DROP RATE   |                               |
| 11:31  | 2196                           | 0   | 4.8                                  | 10                             | H2O                        | DROP RATE   |                               |
| 11:33  | 2281                           | 0   | 3.6                                  | 10                             | H2O                        | DROP RATE   |                               |
| 11:35  | 2296                           | 0   | 3.6                                  | 292                            | H2O                        | BUMP PLUG   |                               |
| 11:35  | 3581                           | 0   | 0                                    | 0                              | N/A                        | PLUG DOWN @ 292 BBLs  |                               |
| 11:40  | 0                              | 0   | 0                                    | 0                              | N/A                        | PRE-RIG DOWN SAFETY MEETING   |                               |
| 12:20  | 0                              | 0   | 0                                    | 0                              | N/A                        | TIME OFF LOCATION   |                               |
| BUMPED<br>PLUG<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N | PSI TO<br>BUMP<br>PLUG<br>2296 | TEST<br>FLOAT<br>EQUIP.<br><input type="checkbox"/> Y <input checked="" type="checkbox"/> N | BBL.CMT<br>RETURNS/<br>REVERSED<br>0 | TOTAL<br>BBL.<br>PUMPED<br>517 | PSI<br>LEFT ON<br>CSG<br>0 | SPOT<br>TOP OUT<br>CEMENT<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/>                     | Service Supervisor Signature: |