

# CEMENT JOB REPORT



|   |                                      |   |                           |   |                                 |   |                    |
|---|--------------------------------------|---|---------------------------|---|---------------------------------|---|--------------------|
| <b>CUSTOMER</b> CARRIZO OIL & GAS INC XML   |                                      | <b>DATE</b> 27-AUG-14   | <b>F.R. #</b> 10011094818 |   | <b>SERV. SUPV.</b> ROBERT HORAN |   |                    |
| <b>LEASE &amp; WELL NAME</b><br>SHULL 1-35-9-60 - API 05123372390000  |                                      | <b>LOCATION</b><br>35-9N-60W  |                           | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado   |                                 |   |                    |
| <b>DISTRICT</b><br>Brighton   |                                      | <b>DRILLING CONTRACTOR RIG #</b><br>Xtreme Coil #19                           |                           | <b>TYPE OF JOB</b><br>Surface   |                                 |   |                    |
| <b>SIZE &amp; TYPE OF PLUGS</b>   | <b>LIST-CSG-HARDWARE</b>             | <b>MECHANICAL BARRIERS</b>  |                           | <b>MD</b>   | <b>TVD</b>                      | <b>HANGER TYPES MD TVD</b>  |                    |
| Cement Plug, Rubber, Top 9-5/8 in   | Float Collar, Auto Fill, 9-5/8 - 8rd | NONE  |                           |   |                                 | NONE  |                    |
|   | Float Shoe 9-5/8 - 8rd               |   |                           |   |                                 |   |                    |
|   | Centralizer, with Pins, 9-5/8 in     |   |                           |   |                                 |   |                    |
|   | Cement Basket, Slip On, 9-5/8 in     |   |                           |   |                                 |   |                    |
| <b>MATERIALS FURNISHED BY BJ</b>  |                                      | <b>LAB REPORT NO.</b>   |                           | <b>PHYSICAL SLURRY PROPERTIES</b>   |                                 |   |                    |
| Fresh Water + 2 lbs Red Dye   | N/A                                  | <b>SACKS OF CEMENT</b>  | <b>SLURRY WGT PPG</b>     | <b>SLURRY YLD FT<sup>3</sup></b>  | <b>WATER GPS</b>                | <b>PUMP TIME HR:MIN</b>   |                    |
| Type III Cmt + adds   |                                      | 0   | 8.34                      | 0   | 0                               | 00:00   |                    |
| Premium Lite Cmt + adds   |                                      | 146   | 14.5                      | 1.41  | 6.82                            | 02:30   |                    |
| Fresh Water   | N/A                                  | 400   | 13                        | 1.81  | 9.46                            | 03:00   |                    |
|   |                                      | 0   | 8.34                      | 0   | 0                               | 00:00   |                    |
| Available Mix Water 400 Bbl.  |                                      | Available Displ. Fluid 400 Bbl.   |                           | <b>TOTAL</b>  |                                 | 289.05 113.79   |                    |
| <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>          |
| 12.25   | 100                                  | 1440  | 8.921                     | 9.625   | 36                              | CSG   | 1456               |
|   |                                      |   |                           |   |                                 |   | 1456               |
|   |                                      |   |                           |   |                                 |   | J-55               |
|   |                                      |   |                           |   |                                 |   | 1456               |
|   |                                      |   |                           |   |                                 |   | 1412               |
|   |                                      |   |                           |   |                                 |   | 0                  |
| <b>LAST CASING</b>  |                                      | <b>PKR-CMT RET-BR PL-LINER</b>  |                           | <b>PERF. DEPTH</b>  |                                 | <b>TOP CONN</b>   |                    |
| <b>ID</b>   | <b>OD</b>                            | <b>WGT</b>  | <b>TYPE</b>               | <b>MD</b>   | <b>TVD</b>                      | <b>WELL FLUID</b>   |                    |
| 15.   | 16                                   | 65  |                           | 70  | 70                              | NO PACKER   |                    |
|   |                                      |   |                           |   |                                 | 0 0   |                    |
|   |                                      |   |                           |   |                                 | WATER BASED   |                    |
|   |                                      |   |                           |   |                                 | 8.34  |                    |
| <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>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>       |
| 109   | BBLS                                 | Fresh Water   | 8.34                      | 0   | 0                               | 0   | 0                  |
|   |                                      |   |                           |   |                                 |   | 0                  |
|   |                                      |   |                           |   |                                 |   | 2816               |
|   |                                      |   |                           |   |                                 |   | 2000               |
|   |                                      |   |                           |   |                                 |   | RIG TANK           |
| <b>Circulation Prior to Job</b>   |                                      |   |                           |   |                                 |   |                    |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>  |                                      |   |                           | Circulation Time: 1   |                                 |   |                    |
| 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"/> |                                 |   |                    |
| <b>Displacement And Mud Removal</b>   |                                      |   |                           |   |                                 |   |                    |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>   |                                      |   |                           | Amount Bled Back After Job: 2 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 checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE      |                                      |   |                           |   |                                 |   |                    |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES   |                                      |   |                           | Quantity: 14  |                                 | 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</b> NONE   |                                      |   |                           |   |                                 |   |                    |

# 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 5686 PSI  |                               |
|   |                                |  |                                       |                                |                            | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>                   |                               |
| 02:00   | 0                              | 0  | 0                                     | 0                              | N/A                        | YARD CALL  |                               |
| 04:00   | 0                              | 0  | 0                                     | 0                              | N/A                        | SAFETY MEETING   |                               |
| 04:20   | 0                              | 0  | 0                                     | 0                              | N/A                        | LEAVE YARD   |                               |
| 06:00   | 0                              | 0  | 0                                     | 0                              | N/A                        | ARRIVE LOCATION  |                               |
| 06:05   | 0                              | 0  | 0                                     | 0                              | N/A                        | STAGE TRUCKS   |                               |
| 07:00   | 0                              | 0  | 0                                     | 0                              | N/A                        | SAFETY MEETING   |                               |
| 07:35   | 160                            | 0  | .8                                    | 2                              | H2O                        | LOAD LINES   |                               |
| 07:38   | 5686                           | 0  | 0                                     | 0                              | H2O                        | PRESSURE TEST  |                               |
| 07:41   | 232                            | 0  | 5.9                                   | 15                             | H2O                        | SPACER FRESH + DYE   |                               |
| 07:47   | 154                            | 0  | 5.9                                   | 128                            | LEAD                       | BATCH, WEIGH, PUMP 13#   |                               |
| 08:14   | 129                            | 0  | 3.5                                   | 38                             | TAIL                       | BATCH, WEIGH, PUMP 14.5#   |                               |
| 08:28   | 129                            | 0  | 5.9                                   | 10                             | H2O                        | DROP PLUG / DISPLACEMENT   |                               |
| 08:40   | 309                            | 0  | 4.8                                   | 60                             | H2O                        | RATE CHANGE  |                               |
| 08:46   | 386                            | 0  | 2.4                                   | 90                             | H2O                        | RATE CHANGE  |                               |
| 08:54   | 1492                           | 0  | 2.4                                   | 109                            | H2O                        | BUMP PLUG  |                               |
| 08:55   | 1540                           | 0  | 0                                     | 0                              | H2O                        | CASING TEST  |                               |
| 09:10   | 0                              | 0  | 0                                     | 0                              | N/A                        | BLEED OFF / CHECK FLOATS   |                               |
| 09:15   | 0                              | 0  | 0                                     | 0                              | N/A                        | SAFETY MEETING   |                               |
| BUMPED<br>PLUG<br>Y <input checked="" type="checkbox"/> | PSI TO<br>BUMP<br>PLUG<br>1492 | TEST<br>FLOAT<br>EQUIP.<br>Y <input checked="" type="checkbox"/> | BBL.CMT<br>RETURNS/<br>REVERSED<br>53 | TOTAL<br>BBL.<br>PUMPED<br>290 | PSI<br>LEFT ON<br>CSG<br>0 | SPOT<br>TOP OUT<br>CEMENT<br>Y <input checked="" type="checkbox"/>                                       | Service Supervisor Signature: |