

# CEMENT JOB REPORT



|                                                                                                                                                                                         |                 |                                  |                                                                                                                                                                                     |                 |                            |                                               |                                                                                         |                                     |                                       |                         |                                                                                                           |                      |             |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------|----------------------|-------------|-------------|
| <b>CUSTOMER</b> BAYSWATER EXPLORATION &                                                                                                                                                 |                 |                                  | <b>DATE</b> 17-JAN-15                                                                                                                                                               |                 | <b>F.R. #</b> 10011132744  |                                               |                                                                                         | <b>SERV. SUPV.</b> STEPHEN J CARDOS |                                       |                         |                                                                                                           |                      |             |             |
| <b>LEASE &amp; WELL NAME</b><br>MATRIX #K-29HN - API 05123407020000                                                                                                                     |                 |                                  | <b>LOCATION</b><br>29-6N-65W                                                                                                                                                        |                 |                            | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado   |                                                                                         |                                     |                                       |                         |                                                                                                           |                      |             |             |
| <b>DISTRICT</b><br>Brighton                                                                                                                                                             |                 |                                  | <b>DRILLING CONTRACTOR RIG #</b><br>FRONTIER 8                                                                                                                                      |                 |                            | <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>                          | <b>HANGER TYPES</b>                   |                         | <b>MD</b>                                                                                                 | <b>TVD</b>           |             |             |
| Cement Plug, Rubber, Top 7 in                                                                                                                                                           |                 | Float Collar, Auto Fill, 7 - 8rd |                                                                                                                                                                                     |                 | N/A                        |                                               | 0                                                                                       | 0                                   | N/A                                   |                         | 0                                                                                                         | 0                    |             |             |
|                                                                                                                                                                                         |                 | 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>                      | <b>PUMP TIME HR:MIN</b> | <b>Bbl SLURRY</b>                                                                                         | <b>Bbl MIX WATER</b> |             |             |
| FRESH WATER                                                                                                                                                                             |                 |                                  | N/A                                                                                                                                                                                 |                 |                            | 0                                             | 8.34                                                                                    | 0                                   | 0                                     | 00:00                   | 20                                                                                                        |                      |             |             |
| MUD CLEAN I                                                                                                                                                                             |                 |                                  | N/A                                                                                                                                                                                 |                 |                            | 0                                             | 8.5                                                                                     | 0                                   | 0                                     | 00:00                   | 20                                                                                                        |                      |             |             |
| FRESH WATER                                                                                                                                                                             |                 |                                  | N/A                                                                                                                                                                                 |                 |                            | 0                                             | 8.34                                                                                    | 0                                   | 0                                     | 00:00                   | 0                                                                                                         |                      |             |             |
| PLHS + ADDITIVES                                                                                                                                                                        |                 |                                  | C01-052-15                                                                                                                                                                          |                 |                            | 435                                           | 12                                                                                      | 2.42                                | 13.60                                 | 04:21                   | 187.5                                                                                                     | 140.97               |             |             |
| 50:50 Class G/Poz + Adds                                                                                                                                                                |                 |                                  | C01-052-15                                                                                                                                                                          |                 |                            | 235                                           | 14.4                                                                                    | 1.22                                | 5.37                                  | 02:14                   | 49.43                                                                                                     | 29.00                |             |             |
| Fresh Water                                                                                                                                                                             |                 |                                  | N/A                                                                                                                                                                                 |                 |                            | 0                                             | 8.34                                                                                    | 0                                   | 0                                     | 00:00                   | 284.1                                                                                                     |                      |             |             |
| <b>Available Mix Water</b> 800 Bbl.                                                                                                                                                     |                 |                                  | <b>Available Displ. Fluid</b> 800 Bbl.                                                                                                                                              |                 |                            | <b>TOTAL</b>                                  |                                                                                         |                                     | 561.03                                | 169.98                  |                                                                                                           |                      |             |             |
| <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>                          | <b>GRADE</b>                          | <b>SHOE</b>             | <b>FLOAT</b>                                                                                              | <b>STAGE</b>         |             |             |
| 8.75                                                                                                                                                                                    | 20              | 7443                             | 6.276                                                                                                                                                                               | 7               | 26                         | CSG                                           | 7443                                                                                    | 6966                                | P-110                                 | 7469                    | 7426                                                                                                      | 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>                            | <b>BTM</b>              | <b>SIZE</b>                                                                                               | <b>THREAD</b>        | <b>TYPE</b> | <b>WGT.</b> |
| 8.9                                                                                                                                                                                     | 9.63            | 36                               | CSG                                                                                                                                                                                 | 700             | 700                        | NO PACKER                                     |                                                                                         | 0                                   | 0                                     | 0                       | 7                                                                                                         | BUTT                 | WATER BASED | 10          |
| <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>MIX WATER</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>                       | <b>RATED</b>            | <b>Operator</b>                                                                                           |                      |             |             |
| 281.7                                                                                                                                                                                   | BBLS            | Fresh Water                      |                                                                                                                                                                                     | 8.34            | 1611                       | 0                                             | 0                                                                                       | 0                                   | 0                                     | 9960                    | 4000                                                                                                      | FRAC TANK            |             |             |
| <b>Circulation Prior to Job</b>                                                                                                                                                         |                 |                                  |                                                                                                                                                                                     |                 |                            |                                               |                                                                                         |                                     |                                       |                         |                                                                                                           |                      |             |             |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>                                                                                                    |                 |                                  | Mud Density In: 10 LBS/GAL                                                                                                                                                          |                 |                            |                                               | Mud Density Out: 10 LBS/GAL                                                             |                                     | Circulation Time: 1                   |                         | Circulation Rate: 6 BPM                                                                                   |                      |             |             |
| Mud Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>                                                                                                        |                 |                                  | Units:                                                                                                                                                                              |                 |                            |                                               | PV & YP Mud In: 11                                                                      |                                     | PV & YP Mud Out: 11                   |                         | 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"/>                                                                                                       |                 |                                  | Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL                                                         |                 |                            |                                               | Amount Bled Back After Job: 2 BBLS                                                      |                                     | Method Used to Verify Returns: VISUAL |                         | Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES      |                      |             |             |
| Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO                                                                                          |                 |                                  | 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 type="checkbox"/> NO <input checked="" type="checkbox"/> YES       |                                     | Quantity: 0                           |                         | 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                                                                                               | 5248 PSI |
|                      |                |         |             |                      |               | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>                   |          |
| 18:30                | 0              | 0       | 0           | 0                    | N/A           | LEAVE YARD                                                                                               |          |
| 19:30                | 0              | 0       | 0           | 0                    | N/A           | ARRIVE ON LOCATION (ARRIVED AT 19:30 ON LOCATION WAS NOT UNTIL 21:30 RIG RUNNING CASING)                 |          |
| 20:30                | 0              | 0       | 0           | 0                    | N/A           | SPOT TRUCKS (STILL RUNNING CASING)                                                                       |          |
| 23:30                | 0              | 0       | 0           | 0                    | N/A           | PRE RIG UP MEETING (START RIG UP)                                                                        |          |
| 01:00                | 0              | 0       | 0           | 0                    | N/A           | SAFETY MEETING (FINISH STAND PIPE AND HEAD)                                                              |          |
| 01:22                | 5248           | 0       | 0           | 0                    | H2O           | PRESSURE TEST                                                                                            |          |
| 01:31                | 411            | 0       | 4.8         | 20                   | H2O           | DYED WATER                                                                                               |          |
| 01:36                | 489            | 0       | 4.8         | 20                   | H2O           | MUD CLEAN I                                                                                              |          |
| 01:42                | 540            | 0       | 4.8         | 186                  | CMT           | BATCH/WEIGH/PUMP 12.0 LB CEMENT                                                                          |          |
| 02:31                | 489            | 0       | 4.8         | 49.7                 | CMT           | BATCH/WEIGH/PUMP 14.4 LB CEMENT                                                                          |          |
| 02:45                | 0              | 0       | 0           | 0                    | H2O           | DOWN / PLUG                                                                                              |          |
| 02:52                | 1187           | 0       | 7.2         | 180                  | H2O           | DISPLACEMENT                                                                                             |          |
| 03:19                | 1389           | 0       | 6.1         | 210                  | H2O           | DROP RATE                                                                                                |          |
| 03:25                | 1723           | 0       | 4.8         | 251                  | H2O           | DROP RATE                                                                                                |          |
| 03:35                | 1849           | 0       | 3.4         | 260                  | H2O           | DROP RATE                                                                                                |          |
| 03:35                | 1829           | 0       | 2.4         | 279                  | H2O           | DROP RATE                                                                                                |          |
| 03:46                | 2546           | 0       | 0           | 0                    | H2O           | BUMP PLUG                                                                                                |          |
| 03:51                | 0              | 0       | 0           | 0                    | H2O           | TEST FLOATS/BLEED OFF                                                                                    |          |
| 03:53                | 0              | 0       | 0           | 0                    | H2O           | JOB DONE                                                                                                 |          |

|                                                                  |                        |                                                                  |                                 |                         |                       |                                                                  |                               |
|------------------------------------------------------------------|------------------------|------------------------------------------------------------------|---------------------------------|-------------------------|-----------------------|------------------------------------------------------------------|-------------------------------|
| 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: |
| <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 2546                   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 20                              | 554                     | 0                     | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                               |

