

# CEMENT JOB REPORT



|  |                                       |   |                   |   |                |
|--|---------------------------------------|---|-------------------|---|----------------|
| CUSTOMER GREAT WESTERN OIL & GAS   |                                       | DATE 30-OCT-12  | F.R. # 1001944466 | SERV. SUPV. RYAN SULLIVAN   |                |
| LEASE & WELL NAME<br>HCW FD #24-20D - API 05123355980000   |                                       | LOCATION<br>24-6N-67W   |                   | COUNTY-PARISH-BLOCK<br>Weld Colorado  |                |
| DISTRICT<br>Brighton   |                                       | DRILLING CONTRACTOR RIG #<br>Cade 25  |                   | TYPE OF JOB<br>Long String  |                |
| SIZE & TYPE OF PLUGS   | LIST-CSG-HARDWARE                     | MECHANICAL BARRIERS   |                   | MD  | TVD            |
| Cement Plug, Rubber, Top 4-1/2 in  | Centralizer, with Pins, 4-1/2 in      |   |                   |   |                |
|  | Cement Basket, Slip On, 4-1/2 in      |   |                   |   |                |
|  | Float Shoe 4-1/2 - 8rd                |   |                   |   |                |
|  | Float Collar, Ball Valve, 4-1/2 - 8rd |   |                   |   |                |
| MATERIALS FURNISHED BY BJ  |                                       | LAB REPORT NO.  | SACKS OF CEMENT   | SLURRY WGT PPG  | SLURRY YLD FT3 |
| Treated Water  |                                       | N/A   | 0                 | 8.34  | 0              |
| Tail   |                                       | C10-101-12  | 300               | 14.6  | 1.38           |
| Treated Water  |                                       | N/A   | 0                 | 8.34  | 0              |
| Mud Clean II   |                                       | N/A   | 0                 | 8.5   | 0              |
| Treated Water  |                                       | N/A   | 0                 | 8.34  | 0              |
| Lead   |                                       | C10-101-12  | 300               | 11  | 3.22           |
| Available Mix Water 300 Bbl.   |                                       | Available Displ. Fluid 200 Bbl.   | TOTAL             |   | 421.1 184.11   |
| HOLE   |                                       | TBG-CSG-D.P.  |                   |   | COLLAR DEPTHS  |
| SIZE   | % EXCESS                              | DEPTH   | ID                | OD  | WGT.           |
| 7.875  | 20                                    | 7439  | 4                 | 4.5   | 11.6           |
|  |                                       |   | CSG               | 7437  | 7272           |
|  |                                       |   | N-80              | 7437  | 7423           |
|  |                                       |   | STAGE             | 0   |                |
| LAST CASING  |                                       | PKR-CMT RET-BR PL-LINER   |                   | PERF. DEPTH   |                |
| ID   | OD                                    | WGT.  | TYPE              | MD  | TVD            |
| 8.1  | 8.63                                  | 24  | CSG               | 601   | 600            |
|  |                                       | No packer   |                   | 0   | 0              |
|  |                                       | BRAND & TYPE  |                   | DEPTH   | TOP            |
|  |                                       |   |                   | BTM   | 0              |
|  |                                       |   |                   | SIZE  | THREAD         |
|  |                                       |   |                   | 4.5   | 8RD            |
|  |                                       |   |                   | WELL FLUID  | WGT.           |
|  |                                       |   |                   | WATER BASED   | 9.3            |
| DISPL. VOLUME  |                                       | DISPL. FLUID  |                   | CAL. PSI  |                |
| VOLUME   | UOM                                   | TYPE  | WGT.              | BUMP PLUG   | TO REV.        |
| 115.4  | BBLS                                  | Treated Water   | 8.34              | 1149  | 0              |
|  |                                       |   |                   | OP. MAX   | MAX TBG PSI    |
|  |                                       |   |                   | SQ. PSI   | RATED          |
|  |                                       |   |                   | Operator  | 6224           |
|  |                                       |   |                   | MAX CSG PSI   | Operator       |
|  |                                       |   |                   | 3000  | Rig            |
| Circulation Prior to Job   |                                       |   |                   |   |                |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>   |                                       | Circulation Time: 1   |                   | Circulation Rate: 6 BPM   |                |
| Mud Density In: 9.3 LBS/GAL  |                                       | Mud Density Out: 9.3 LBS/GAL  |                   | PV & YP Mud In: 14  |                |
| 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: 1.1 BBLS  |                   |   |                |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL  |                                       | Method Used to Verify Returns: Visually   |                   |   |                |
| 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 |                                       | Quantity: 30  |                   | Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID   |                |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES  |                                       | 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                     |                |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES   |                                       | Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES   |                   | Quantity:   |                |
| 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"/>   |                |
| 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   |                |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING None   |                                       |   |                   |   |                |

# CEMENT JOB REPORT



## Casing Test (Update Original Treatment Report for Primary Job)

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

## Shoe Test (Update Original Treatment Report for Primary Job)

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

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

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

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

### PRESSURE/RATE DETAIL

### EXPLANATION

| TIME<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 4350 PSI  |
|                 |                |         |             |                      |               | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ  |
| 21:45           | 0              | 0       | 0           | 0                    | N/A           | Arrive on location, 40 miles, rig still running on casing  |
| 23:50           | 0              | 0       | 0           | 0                    | N/A           | Spot trucks on location, pre-rig up safety meeting   |
| 00:55           | 0              | 0       | 0           | 0                    | N/A           | Pre-job safety meeting   |
| 01:22           | 898            | 0       | 0           | 0                    | WATER         | Low pressure test  |
| 01:24           | 4350           | 0       | 0           | 0                    | WATER         | High pressure test   |
| 01:27           | 432            | 0       | 7.2         | 20                   | CLAYCARE      | Claycare water   |
| 01:31           | 608            | 0       | 7.2         | 20                   | MUD CLEA      | Mud clean II   |
| 01:34           | 545            | 0       | 7.2         | 20                   | CLAYCARE      | Claycare water   |
| 01:38           | 108            | 0       | 4.8         | 170                  | CEMENT        | Batch-up, weigh, & pump 300 sx of PLC + 4% Bentonite + 8 lbs/sk CSE-2 + 0.6% SMS @ 11 ppg                |
| 02:15           | 231            | 0       | 4.9         | 72                   | CEMENT        | Mix, weigh, & pump 300 sx of (50:50) Poz:G + 0.3% CD-32 + 0.4% FL-52 + 0.1% SMS + 20 % S-B @ 14.6 ppg    |
| 02:38           | 0              | 0       | 0           | 0                    | N/A           | Drop plug & wash-up pumps & lines  |
| 02:44           | 119            | 0       | 7.2         | 70                   | CLAYCARE      | Displace   |
| 02:55           | 369            | 0       | 7.2         | 10                   | CLAYCARE      | Caught cement  |
| 02:58           | 903            | 0       | 6           | 20                   | CLAYCARE      | Rate change  |
| 03:00           | 911            | 0       | 3.6         | 5                    | CLAYCARE      | Rate change  |
| 03:01           | 972            | 0       | 2.4         | 11                   | CLAYCARE      | Rate change  |
| 03:06           | 1251           | 0       | 2.4         | 116                  | CLAYCARE      | Bump plug to 2622 psi, 1.1 bbls bled back, floats held   |
| 03:10           | 0              | 0       | 0           | 0                    | N/A           | Pre-rig down safety meeting  |
| 04:00           | 0              | 0       | 0           | 0                    | N/A           | Leave 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: |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|--|-------------------------------|
| <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 1251                   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 0                               | 418                     | 0                     | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                               |



FIELD RECEIPT NO. 1001944456

|  |                                      |                           |           |                     |                                     |                    |  |  |                               |                |  |
|--|--------------------------------------|---------------------------|-----------|---------------------|-------------------------------------|--------------------|--|--|-------------------------------|----------------|--|
| CUSTOMER<br>GREAT WESTERN OIL & GAS            |                                      |                           |           | CREDIT APPROVAL NO. |                                     | PURCHASE ORDER NO. |  | CUSTOMER NUMBER<br>20013943 - 00229266 |                               | INVOICE NUMBER |  |
| MAIL<br>STREET OR BOX NUMBER<br>503 MAIN ST    |                                      |                           |           | CITY<br>Windsor     |                                     | STATE<br>Colorado  |  | ZIP CODE<br>80550                      |                               |                |  |
| DATE WORK<br>COMPLETED                         |                                      | MO.<br>10                 | DAY<br>30 | YEAR<br>2012        | BHI REPRESENTATIVE<br>RYAN SULLIVAN |                    | WELL API NO:<br>05123355980000   |  | WELL TYPE:<br>New Well        |                |  |
| DISTRICT<br>BJS, BRIGHTON                      |                                      |                           |           |                     | JOB DEPTH(ft)<br>7.437              |                    |  |  | WELL CLASS:<br>Gas            |                |  |
| WELL NAME AND NUMBER<br>HCW FD #24-20D         |                                      |                           |           |                     | TD WELL DEPTH(ft)<br>7.439          |                    |  |  | GAS USED ON JOB:<br>No Gas    |                |  |
| WELL LOCATION:<br>24-6N-67W                    |                                      | LEGAL DESCRIPTION<br>Weld |           |                     | COUNTY/PARISH<br>Colorado           |                    | STATE<br>Colorado  |  | JOB TYPE CODE:<br>Long String |                |  |
| PRODUCT CODE                                   | DESCRIPTION                          |                           |           |                     | UNIT OF MEASURE                     | QUANTITY           | LIST PRICE/UNIT  | GROSS AMOUNT                           | % DISC.                       | NET AMOUNT     |  |
| 100021   | Class G Cement                       |                           |           |                     | sacks                               | 150                | 29.700   | 4,455.00                               | 55%                           | 2,004.75       |  |
| 100120   | Bentonite                            |                           |           |                     | lbs                                 | 1044               | 0.500  | 522.00                                 | 55%                           | 234.90         |  |
| 100121   | Silica Flour                         |                           |           |                     | lbs                                 | 5040               | 0.530  | 2,671.20                               | 55%                           | 1,202.04       |  |
| 100275   | Sodium Metasilicate                  |                           |           |                     | lbs                                 | 183                | 3.900  | 713.70                                 | 55%                           | 321.17         |  |
| 100317   | Poz (Fly Ash)                        |                           |           |                     | sacks                               | 150                | 13.200   | 1,980.00                               | 55%                           | 891.00         |  |
| 398108   | Mud Clean II                         |                           |           |                     | gals                                | 840                | 1.610  | 1,352.40                               | 55%                           | 608.58         |  |
| 398224   | Premium Lite Cement                  |                           |           |                     | sacks                               | 300                | 24.050   | 7,215.00                               | 55%                           | 3,246.75       |  |
| 488013   | CD-32                                |                           |           |                     | lbs                                 | 76                 | 12.650   | 961.40                                 | 55%                           | 432.63         |  |
| 488015   | FL-52                                |                           |           |                     | lbs                                 | 101                | 25.600   | 2,585.60                               | 55%                           | 1,163.52       |  |
| 488019   | FP-6L                                |                           |           |                     | gals                                | 5                  | 99.250   | 496.25                                 | 55%                           | 223.31         |  |
| 488353   | CSE-2                                |                           |           |                     | lbs                                 | 2400               | 1.610  | 3,864.00                               | 55%                           | 1,738.80       |  |
| 499702   | ClayCare, Clay Treat-2C, 260 gI tote |                           |           |                     | gals                                | 8                  | 140.000  | 1,120.00                               | 55%                           | 504.00         |  |
| SUB-TOTAL FOR Product Material                 |                                      |                           |           |                     |                                     |                    |  | 27,936.55                              | 55.00%                        | 12,571.45      |  |
| ARRIVE LOCATION:                               |                                      | MO.<br>10                 | DAY<br>29 | YEAR<br>2012        | TIME<br>22:45                       |                    | SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. |  |                               |                |  |
| CUSTOMER REP.<br>Shawn Armstrong               |                                      |                           |           |                     |                                     | X                  |  | CUSTOMER AUTHORIZED AGENT              |                               |                |  |
| SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS |                                      |                           |           |                     |                                     | X                  |  | BHI APPROVED                           |                               |                |  |



FIELD RECEIPT NO. 1001944466

|   |  |                                |           |                     |                                     |                    |  |  |                                |                |  |
|---|--|--------------------------------|-----------|---------------------|-------------------------------------|--------------------|--|--|--------------------------------|----------------|--|
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| PRODUCT<br>CODE   | DESCRIPTION                            |                                |           |                     | UNIT OF<br>MEASURE                  | QUANTITY           | PRICE UNIT   | GROSS<br>AMOUNT                        | %<br>DISC.                     | NET<br>AMOUNT  |  |
| A152  | Personnel Per Diem Chrg - Cement Svc   |                                |           |                     | ea                                  | 1                  | 161.50   | 161.50                                 | 0%                             | 161.50         |  |
| M100  | Bulk Materials Blending Charge         |                                |           |                     | cu ft                               | 773                | 4.170  | 3,223.41                               | 55%                            | 1,450.53       |  |
|   | SUB-TOTAL FOR Service Charges          |                                |           |                     |                                     |                    |  | 3,384.91                               | 52.38%                         | 1,612.03       |  |
| F067A   | Cement Pumping, 7001 - 8000 ft         |                                |           |                     | 6hrs                                | 1                  | 7,925.00   | 7,925.00                               | 55%                            | 3,566.25       |  |
| F090  | Fuel per pump charge - cement          |                                |           |                     | pump/hr                             | 4                  | 61.00  | 244.00                                 | 0%                             | 244.00         |  |
| J050  | Cement Head                            |                                |           |                     | job                                 | 1                  | 635.00   | 635.00                                 | 55%                            | 285.75         |  |
| J225  | Data Acquisition, Cement, Standard     |                                |           |                     | job                                 | 1                  | 1,635.00   | 1,635.00                               | 55%                            | 735.75         |  |
| J390  | Mileage, Heavy Vehicle                 |                                |           |                     | miles                               | 80                 | 9.10   | 728.00                                 | 55%                            | 327.60         |  |
| J391  | Mileage, Auto, Pick-Up or Treating Van |                                |           |                     | miles                               | 80                 | 5.15   | 412.00                                 | 55%                            | 185.40         |  |
|   | SUB-TOTAL FOR Equipment                |                                |           |                     |                                     |                    |  | 11,579.00                              | 53.84%                         | 5,344.75       |  |
| J401  | Bulk Delivery, Dry Products            |                                |           |                     | ton-mi                              | 1207               | 3.030  | 3,657.21                               | 55%                            | 1,645.74       |  |
|   | SUB-TOTAL FOR Freight/Delivery Charges |                                |           |                     |                                     |                    |  | 3,657.21                               | 55.00%                         | 1,645.74       |  |
|   | FIELD ESTIMATE                         |                                |           |                     |                                     |                    |  | 46,557.67                              | 54.52%                         | 21,173.97      |  |
| ARRIVE<br>LOCATION :  |  | MO.<br>10                      | DAY<br>29 | YEAR<br>2012        | TIME<br>22:45                       |                    | SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. |  |                                |                |  |
| CUSTOMER REP.<br>Shawn Armstrong                            |  |                                |           |                     |                                     | X                  |  | CUSTOMER AUTHORIZED AGENT              |                                |                |  |
| SEE LAST PAGE FOR GENERAL<br>TERMS AND CONDITIONS           |  |                                |           |                     |                                     | X                  |  | BHI APPROVED                           |                                |                |  |