

CEMENT JOB REPORT



| | | | | | | | | | | | | | |
|---|----------|---|-------------------------|--|-----------------|----------------------------------|----------------------------|---|------------------|------------|---------------|--------------------|-----------|
| CUSTOMER GREAT WESTERN OIL & GAS | | DATE 26-JUL-12 | F.R. # 1001925196 | SERV. SUPV. STEPHEN J CARDOS | | | | | | | | | |
| LEASE & WELL NAME GREAT WESTERN 25-12-15 - API 05123357010000 | | LOCATION 25-6N-67W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # CADE 25 | | TYPE OF JOB Long String | | | | | | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD | TVD | HANGER TYPES | MD | TVD | | | |
| Cement Plug, Rubber, Top 4-1/2 In | | Cement Basket, Slip On, 4-1/2 In | | | | | | | | | | | |
| | | Centralizer, with Pins, 4-1/2 In | | | | | | | | | | | |
| | | Float Collar, Auto Fill, 4-1/2 - 8rd | | | | | | | | | | | |
| | | Float Shoe 4-1/2 - 8rd | | | | | | | | | | | |
| MATERIALS FURNISHED BY BJ | | | | PHYSICAL SLURRY PROPERTIES | | | | | | | | | |
| | | | | LAB REPORT NO. | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ³ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER | | |
| ClayCare Water | | | | N/A | 0 | 8.34 | 0 | 0 | 00:00 | 20 | | | |
| 50:50 Poz+.3%CD32+.4%FL52+.1%SMS+20%SF | | | | N/A | 239 | 14.6 | 1.38 | 5.90 | 02:30 | 58.72 | 33.56 | | |
| ClayCare Water | | | | N/A | 0 | 8.34 | 0 | 0 | 00:00 | 113.79 | | | |
| Mud Clean II | | | | N/A | 0 | 8.5 | 0 | 0 | 00:00 | 20 | | | |
| ClayCare Water | | | | N/A | 0 | 8.34 | 0 | 0 | 00:00 | 20 | | | |
| PL+.6%SMS+8#skCSE2 | | | | | 187 | 11 | 3.22 | 19.86 | 03:30 | 107.10 | 68.41 | | |
| Available Mix Water | | 450 | Bbl. | Available Displ. Fluid | | 200 | Bbl. | TOTAL | | 339.61 | 121.97 | | |
| HOLE | | | TBG-CSG-D.P. | | | | | COLLAR DEPTHS | | | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | |
| 7.875 | 20 | 7361 | 4 | 4.5 | 11.6 | CSG | 7361 | 7269 | P-110 | 7381 | 7368 | 0 | |
| LAST CASING | | | PKR-CMT RET-BR PL-LINER | | | PERF. DEPTH | | | TOP CONN | | WELL FLUID | | |
| ID | OD | WGT | TYPE | MD | TVD | BRAND & TYPE | DEPTH | TOP | BTM | SIZE | THREAD | TYPE | WGT. |
| 8.1 | 8.63 | 24 | CSG | 702 | 700 | NO PACKER | 0 | 0 | 0 | 4.5 | 8RND | WATER BASED | 9.6 |
| DISPL. VOLUME | | DISPL. FLUID | | CAL. PSI | CAL. MAX PSI | OP. MAX | MAX TBG PSI | | MAX CSG PSI | | MIX WATER | | |
| VOLUME | UOM | TYPE | WGT. | BUMP PLUG | TO REV. | SQ. PSI | RATED | Operator | RATED | Operator | | | |
| 113.8 | BBLS | ClayCare Water | 8.34 | 1383 | 0 | 0 | 0 | 0 | 6224 | 3000 | RIG TANK | | |
| Circulation Prior to Job | | | | | | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 2 | | | | Circulation Rate: 6 BPM | | | | | |
| Mud Density In: 9.6 LBS/GAL | | | | Mud Density Out: 9.6 LBS/GAL | | | | PV & YP Mud In: 0 | | | | PV & YP Mud Out: 0 | |
| Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> | | | | Units: 0 | | | | 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 BBLS | | | | | | | | | |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL | | | | Method Used to Verify Returns: VISUAL | | | | | | | | | |
| Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | | | | |
| Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> 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: 30 | | | | Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID | | | | | |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD | | | | | | | | | | | | | |
| Plugs | | | | | | | | | | | | | |
| Number of Attempts by BJ: 0 | | | | Competition: 0 | | | | Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | Quantity: |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | | | | |
| Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | Top of Plug: 0 FT | | | | Bottom of Plug: 0 FT | | | | | |
| Squeezes (Update Original Treatment Report for Primary Job) | | | | | | | | | | | | | |
| BLOCK SQUEEZE <input type="checkbox"/> | | SHOE SQUEEZE <input type="checkbox"/> | | TOP OF LINER SQUEEZE <input type="checkbox"/> | | PLANNED <input type="checkbox"/> | | UNPLANNED <input checked="" 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

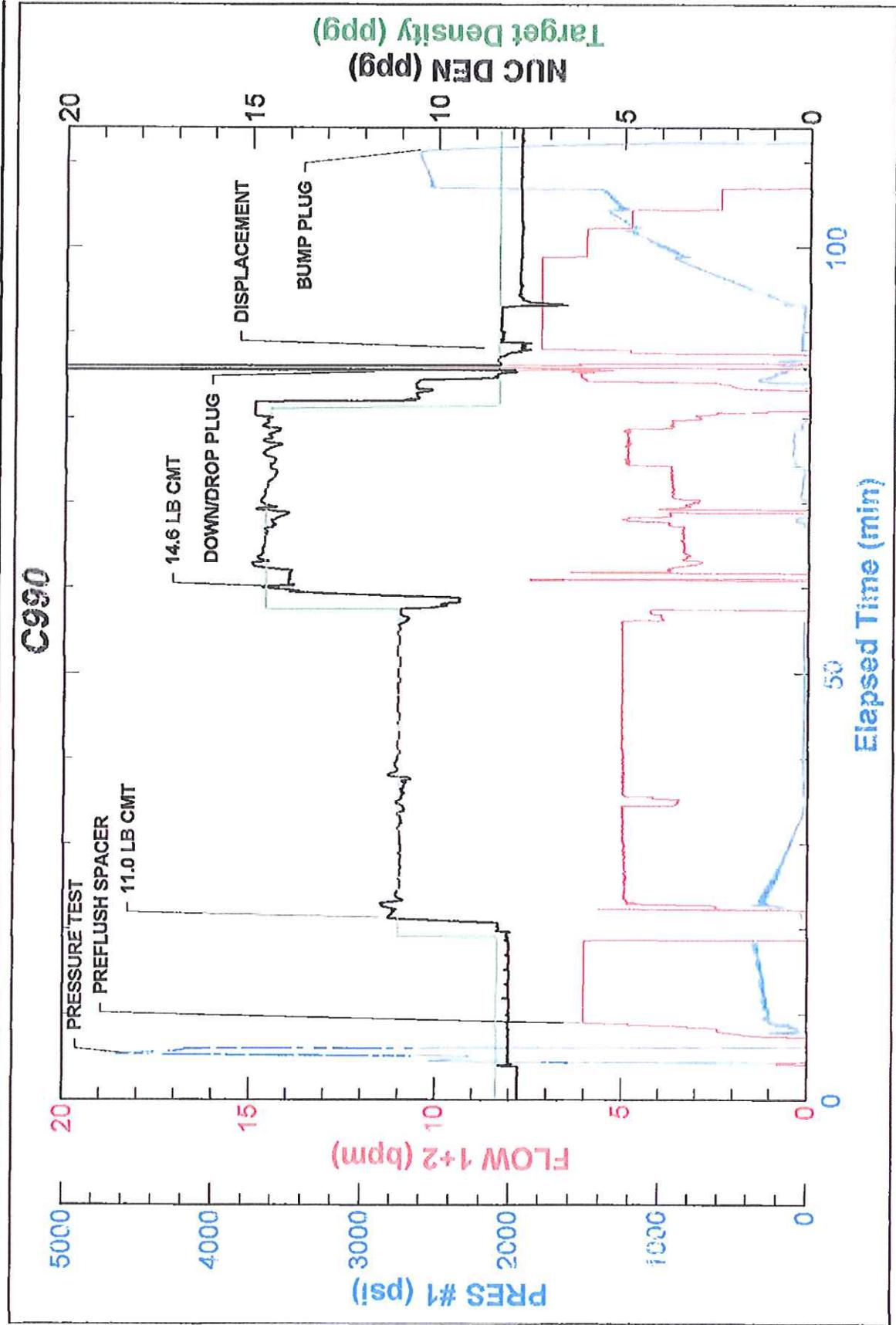
EXPLANATION

| TIME HR:MIN. | PRESSURE - PSI | | RATE BPM | BBL FLUID PUMPED | FLUID TYPE | EXPLANATION | |
|-----------------|----------------|---------|-------------|---------------------|---------------|--|---------------------|
| | PIPE | ANNULUS | | | | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> | TEST LINES 4232 PSI |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | |
| 15:40 | 0 | 0 | 0 | 0 | N/A | ARRIVE ON LOCATION | |
| 15:40 | 0 | 0 | 0 | 0 | N/A | ARRIVE ON LOCATION | |
| 15:45 | 0 | 0 | 0 | 0 | N/A | SPOT TRUCKS | |
| 15:50 | 0 | 0 | 0 | 0 | N/A | PRE RIG UP SAFETY MEETING | |
| 16:50 | 0 | 0 | 0 | 0 | N/A | SAFETY MEETING | |
| 17:40 | 4132 | 0 | 0 | 0 | H2O | PRESSURE TEST | |
| 17:44 | 236 | 0 | 6 | 20 | H2O | CLAY SPACER | |
| 17:48 | 280 | 0 | 6 | 20 | H2O | MUD CLEAN SPACER | |
| 17:52 | 337 | 0 | 6 | 20 | H2O | CLAY SPACER | |
| 17:56 | 301 | 0 | 5 | 172 | CMT | BATCH/WEIGH/PUMP 11.0 LB CMT | |
| 18:35 | 212 | 0 | 3.4 | 72 | CMT | BATCH/WEIGH/PUMP 14.6 LB CMT | |
| 19:00 | 0 | 0 | 0 | 0 | N/A | DOWN/WASH UP/DROP PLUG | |
| 19:05 | 896 | 0 | 6 | 80 | H2O | DISPLACE | |
| 19:16 | 1214 | 0 | 6 | 20 | H2O | DROP RATE | |
| 19:19 | 1289 | 0 | 6 | 10 | H2O | DROP RATE | |
| 19:22 | 1368 | 0 | 6 | 5 | H2O | DROP RATE | |
| 19:26 | 1586 | 0 | 0 | 115 | H2O | BUMP PLUG/TEST FLOATS | |

| | | | | | | | |
|--|--------------------------------|---|--------------------------------------|--------------------------------|----------------------------|--|---|
| BUMPED PLUG <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | PSI TO BUMP PLUG 1383 | TEST FLOAT EQUIP. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | BBL CMT RETURNS/ REVERSED 0 | TOTAL BBL. PUMPED 554 | PSI LEFT ON CSG 0 | SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N | Service Supervisor Signature: <i>[Signature]</i> |
|--|--------------------------------|---|--------------------------------------|--------------------------------|----------------------------|--|---|



BJ Services JobMaster Program Version 3.50
Job Number: 1001925196
Customer: GREAT WESTERN
Well Name: 25-12-15



FIELD RECEIPT NO. 1001925196



| CUSTOMER | | GREAT WESTERN OIL & GAS | | CREDIT APPROVAL NO. | PURCHASE ORDER NO. | CUSTOMER NUMBER | INVOICE NUMBER |
|--|--------------------------------------|--|----------|---------------------------|--------------------|---|----------------|
| MAIL INVOICE TO : | | STREET OR BOX NUMBER | | CITY | | STATE | ZIP CODE |
| DATE WORK COMPLETED | | MO. | DAY | YEAR | BHI REPRESENTATIVE | WELL API NO. | WELL TYPE : |
| 07 26 2012 | | 07 | 26 | 2012 | STEPHEN J CARDOS | 05123357010000 | Colorado |
| DISTRICT | | JOB DEPTH (ft) | | WELL CLASS : | | GAS USED ON JOB : | |
| BJS, BRIGHTON | | 7,381 | | Gas | | No Gas | |
| WELL NAME AND NUMBER | | GREAT WESTERN 25-12-15 | | TD WELL DEPTH (ft) | | JOB TYPE CODE : | |
| 25-6N-67W | | Weld | | 7,385 | | Long String | |
| WELL LOCATION : | LEGAL DESCRIPTION | COUNTY/PARISH | STATE | | | | |
| | | | Colorado | | | | |
| PRODUCT CODE | DESCRIPTION | UNIT OF MEASURE | QUANTITY | LIST PRICE UNIT | GROSS AMOUNT | % DISC. | NET AMOUNT |
| 100021 | Class G Cement | sacks | 150 | | | | |
| 100120 | Bentonite | lbs | 1044 | | | | |
| 100121 | Silica Flour | lbs | 5040 | | | | |
| 100275 | Sodium Metasilicate | lbs | 183 | | | | |
| 100317 | Poz (Fly Ash) | sacks | 150 | | | | |
| 398108 | Mud Clean II | gals | 840 | | | | |
| 398224 | Premium Lite Cement | sacks | 300 | | | | |
| 488013 | CD-32 | lbs | 76 | | | | |
| 488015 | FL-52 | lbs | 101 | | | | |
| 488019 | FP-6L | gals | 6 | | | | |
| 488353 | CSE-2 | lbs | 2400 | | | | |
| 499702 | ClayCare, Clay Treat-2C, 260 gl tote | gals | 8 | | | | |
| SUB-TOTAL FOR Product Material | | | | | | | |
| 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. | | | | | | | |
| ARRIVE LOCATION : | | MO. | DAY | YEAR | TIME | SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. | |
| 07 26 2012 | | 07 | 26 | 2012 | 15:40 | CUSTOMER AUTHORIZED AGENT | |
| CUSTOMER REP. MATT JOHNSON | | SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS | | CUSTOMER AUTHORIZED AGENT | | SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. | |
| | | | | | | CUSTOMER AUTHORIZED AGENT BHI APPROVED | |



FIELD RECEIPT NO. 1001925196

| CUSTOMER | | GREAT WESTERN OIL & GAS | | CREDIT APPROVAL NO. | PURCHASE ORDER NO. | | CUSTOMER NUMBER | | INVOICE NUMBER | |
|--|--|-------------------------|----------|---------------------|--------------------|--|-----------------|---|----------------|--|
| MAIL INVOICE TO : | | STREET OR BOX NUMBER | | CITY | | STATE | | ZIP CODE | | |
| DATE WORK COMPLETED | | MO. | DAY | YEAR | BHI REPRESENTATIVE | WELL API NO: | WELL TYPE : | | | |
| 07 26 2012 | | 07 | 26 | 2012 | STEPHEN J CARDOS | 05123357010000 | New Well | | | |
| DISTRICT | | BJS. BRIGHTON | | JOB DEPTH (ft) | | WELL CLASS : | | | | |
| WELL NAME AND NUMBER | | GREAT WESTERN 25-12-15 | | TD WELL DEPTH (ft) | | GAS USED ON JOB : | | | | |
| WELL LOCATION : | | LEGAL DESCRIPTION | | COUNTY/PARISH | | JOB TYPE CODE : | | | | |
| 25-6N-67W | | Weld | | Colorado | | Long String | | | | |
| PRODUCT CODE | DESCRIPTION | UNIT OF MEASURE | QUANTITY | LIST PRICE UNIT | GROSS AMOUNT | % DISC. | NET AMOUNT | | | |
| A152 | Personnel Per Diem Chrg - Cement Svc | ea | 1 | | | | | | | |
| M100 | Bulk Materials Blending Charge | cu ft | 773 | | | | | | | |
| SUB-TOTAL FOR Service Charges | | | | | | | | | | |
| F067A | Cement Pumping, 7001 - 8000 ft | 6hrs | 1 | | | | | | | |
| F090 | Fuel per pump charge - cement | pump/hr | 2 | | | | | | | |
| J050 | Cement Head | job | 1 | | | | | | | |
| J225 | Data Acquisition, Cement, Standard | job | 1 | | | | | | | |
| J390 | Mileage, Heavy Vehicle | miles | 120 | | | | | | | |
| J391 | Mileage, Auto, Pick-Up or Treating Van | miles | 120 | | | | | | | |
| SUB-TOTAL FOR Equipment | | | | | | | | | | |
| J401 | Bulk Delivery, Dry Products | ton-mi | 1808 | | | | | | | |
| SUB-TOTAL FOR Freight/Delivery Charges | | | | | | | | | | |
| FIELD ESTIMATE | | | | | | | | | | |
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| | | | | | | | | X BHI APPROVED | | |