# CEMENT JOB REPORT

| CUSTOMER | DATE | F.R. # | SERV. SUPV. |
|---|---|---|---|
| EOG Resources Inc. | 14-AUG-10 | 1001666835 | JEFFREY A ANDERSON |

| LEASE & WELL NAME | LOCATION | COUNTY-PARISH-BLOCK |
|---|---|---|
| CRITTER CREEK #9-15H - API 05123311810000 | 15-11N-63W | Weld Colorado |
| **DISTRICT** | **DRILLING CONTRACTOR RIG #** | **TYPE OF JOB** |
| Brighton | True #30 | Intermediate |

| SIZE & TYPE OF PLUGS | LIST-CSG-HARDWARE |
|---|---|
| Cement Plug, Rubber, Top 7 in | Centralizer, with Pins, 7 in |
| | Float Shoe 7 - 8rd |

| MATERIALS FURNISHED BY BJ | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT³ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER |
|---|---|---|---|---|---|---|---|
| Premium Lite Cement + additives | 660 | 12.5 | 1.89 | 10.37 | 00:02 | 208 | 152.62 |
| 50:50:3 + 0.4% FL-52+0.1% SMS+20%S-8 | 150 | 13.5 | 1.71 | 8.30 | 04:59 | 44 | 28.51 |
| Fresh Water | 0 | 8.34 | 0 | 0 | 00:00 | 298.7 | |
| Mud Clean I + Alpha-125 | 0 | 8.34 | 0 | 0 | 00:00 | 20 | |
| Claytreat Water + Alpha-125 | 0 | 8.34 | 0 | 0 | 00:00 | 20 | |
| Claytreat Water + Alpha-125 | 0 | 8.34 | 0 | 0 | 00:00 | 20 | |
| | | | | | TOTAL | 610.7 | 181.13 |

Available Mix Water 500 Bbl. Available Displ. Fluid 400 Bbl.

| HOLE SIZE | % EXCESS | DEPTH | TBG-CSG-D.P. SIZE | WGT. | TYPE | DEPTH | GRADE | COLLAR DEPTHS SHOE | FLOAT | STAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 8.75 | 0 | 7626 | 7 | 23 | CSG | 7630 | P-110 | 7630 | 7588 | 0 |

| LAST CASING SIZE | WGT | TYPE | DEPTH | PKR-CMT RET-BR PL-LINER BRAND & TYPE | DEPTH | PERF. DEPTH TOP | BTM | TOP CONN SIZE | THREAD | WELL FLUID TYPE | WGT. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.625 | 36 | CSG | 1350 | No Packer | 0 | 0 | 0 | 7 | 8RD | WATER BASED MU | 9.9 |

| DISPL. VOLUME VOLUME | UOM | DISPL. FLUID TYPE | WGT. | CAL. PSI BUMP PLUG | CAL. MAX PSI TO REV. | OP. MAX SQ. PSI | MAX TBG PSI RATED | Operator | MAX CSG PSI RATED | Operator | MIX WATER |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 298.7 | BBLS | Fresh Water | 8.34 | 2600 | 0 | 0 | 0 | 0 | 6976 | 4000 | Water Tank |

## Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 1 | Circulation Rate: 6 BPM

Mud Density In: 9.9 LBS/GAL | Mud Density Out: 9.9 LBS/GAL | PV & YP Mud In: 13 | PV & YP Mud Out: 13

Gas Present: NO [ ] YES [X] Units: 0 | Solids Present at End of Circulation: NO [X] YES [ ]

## Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X] | Amount Bled Back After Job: 2 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL | Method Used to Verify Returns: Visual

Cement Returns at Surface: [X] YES [ ] NO | Were Returns Planned at Surface: [ ] NO [X] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES | Quantity: 5 | Type: [X] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [X] MANIFOLD [ ] NO MANIFOLD

## Plugs

Number of Attempts by BJ: 0 | Competition: 0 | Wiper Balls Used: [X] NO [ ] YES Quantity:

Plug Catcher Used: [X] NO [ ] YES | Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES | Top of Plug: 0 FT | Bottom of Plug: 0 FT

## Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [X]

Liner Packer: [X] NO [ ] YES | Bond Log: [X] NO [ ] YES | PSI Applied: 0 | Fluid Weight: 0 LBS/GAL

## 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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL | EXPLANATION

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## 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)
N/A

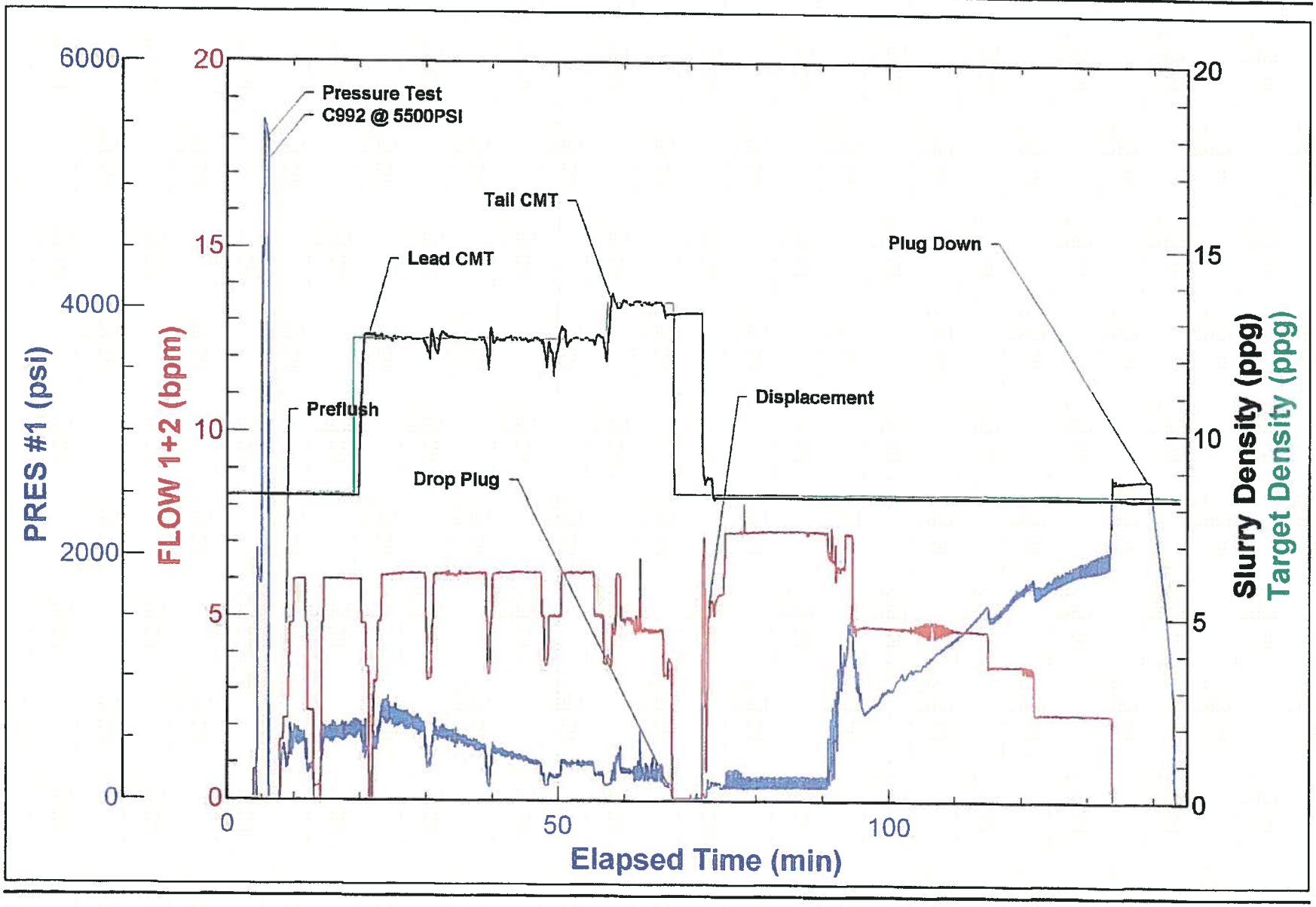
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
N/A

| PRESSURE/RATE DETAIL | | | | | | EXPLANATION |
|---|---|---|---|---|---|---|
| TIME HR:MIN. | PRESSURE - PSI PIPE | PRESSURE - PSI ANNULUS | RATE BPM | Bbl. FLUID PUMPED | FLUID TYPE | SAFETY MEETING: BJ CREW [X] CO. REP. [X] |
| | | | | | | TEST LINES 5000 PSI |
| | | | | | | CIRCULATING WELL - RIG [X] BJ [ ] |
| 06:10 | 0 | 0 | 0 | 0 | N/A | Pre Rig Up Meeting |
| 08:50 | 0 | 0 | 0 | 0 | N/A | Safety Meeting |
| 09:24 | 5500 | 0 | 0 | 0 | WATER | Pressure Test |
| 09:28 | 500 | 0 | 6 | 20 | WATER | Claytreat Water + Alpha |
| 09:34 | 488 | 0 | 6 | 20 | WATER | Mud Clean I + Alpha |
| 09:37 | 597 | 0 | 6 | 20 | WATER | Claytreat Water + Alpha |
| 09:42 | 686 | 0 | 6.1 | 208 | CEMENT | Batch up and pump Lead Slurry 660 sks @ 12.5 PPG of PLC + 0.25 lbs/sk Cello Flake + 0.4% FL-52 + 3% Bentonite + 99.4% Fresh Water |
| 10:19 | 380 | 0 | 6.1 | 44 | CEMENT | Batch up and pump Tail Slurry 150 sks @ 13.5 PPG of POZ G + 0.4% FL-52 + 3% Bentonite + 0.1% Sodium Metasilicate + 20% Silica Flour + 82.4% Fresh Water |
| 10:27 | 0 | 0 | 0 | 0 | N/A | Drop Plug |
| 10:32 | 170 | 0 | 7.3 | 135 | WATER | Displacement |
| 10:50 | 320 | 0 | 7.3 | 20 | WATER | Caught Cement |
| 10:55 | 885 | 0 | 4.7 | 95 | WATER | Drop Rate |
| 11:15 | 1473 | 0 | 3.7 | 25 | WATER | Drop Rate |
| 11:22 | 1641 | 0 | 2.4 | 23.7 | WATER | Drop Rate |
| 11:35 | 2611 | 0 | 0 | 0 | N/A | Plug Down Pumped 298.7 Bbls Fresh Water |
| 11:46 | 1500 | 0 | 0 | 0 | N/A | Casing Test |
| 12:20 | 0 | 0 | 0 | 0 | N/A | Job Done |
| 12:25 | 0 | 0 | 0 | 0 | N/A | Rig Down Meeting |

| BUMPED PLUG | PSI TO BUMP PLUG | TEST FLOAT EQUIP. | BBL.CMT RETURNS/ REVERSED | TOTAL BBL. PUMPED | PSI LEFT ON CSG | SPOT TOP OUT CEMENT | Service Supervisor Signature: |
|---|---|---|---|---|---|---|---|
| [Y] N | 2600 | [Y] N | 10 | 610.7 | 0 | Y [N] | Jeff Anderson DC |

**BJ Services JobMaster Program Version 3.20**
***Job Number: 1001666835***
***Customer: EOG***
***Well Name: Critter Creek 9-15H***



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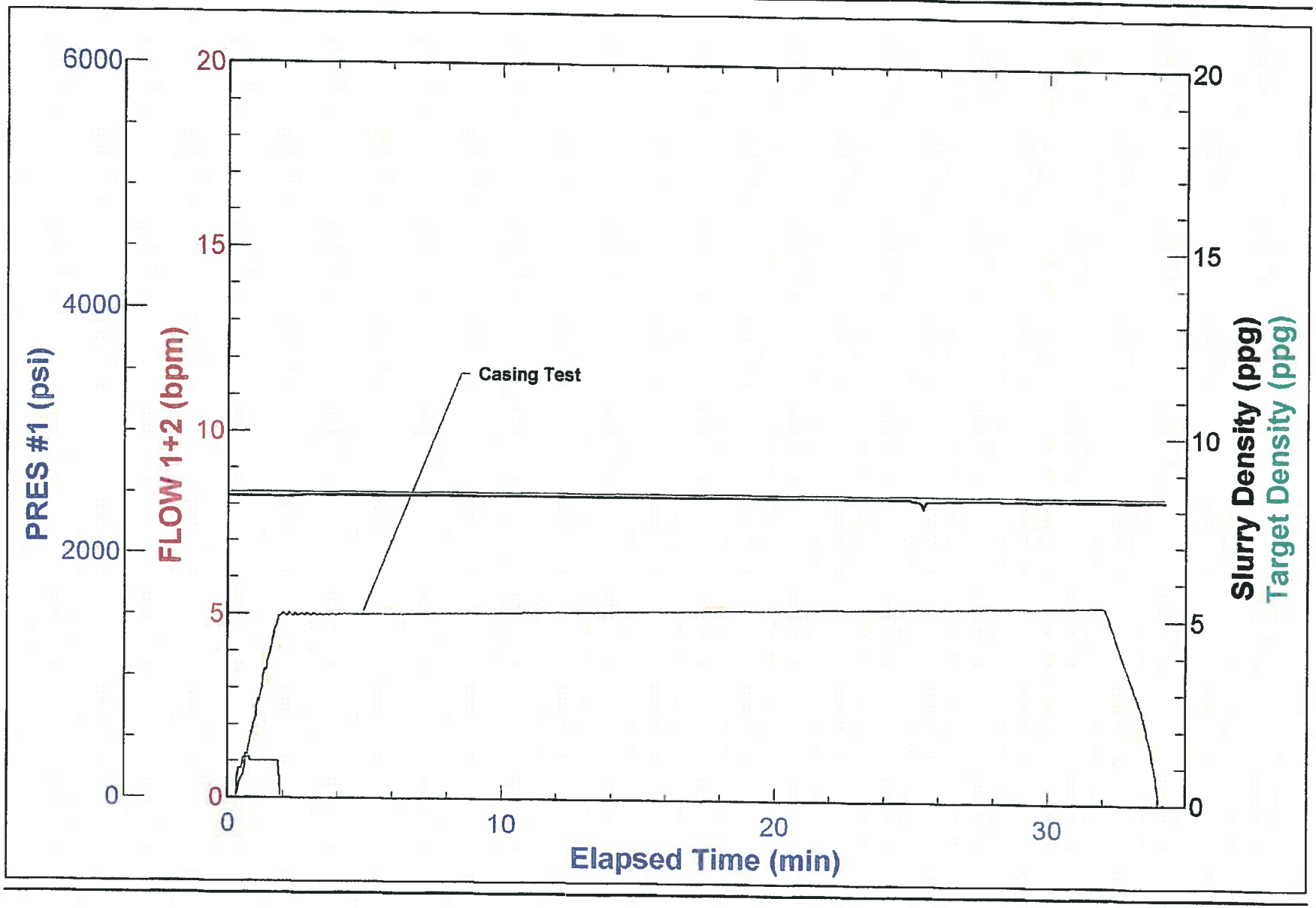




Job Start: Saturday, August 14, 2010