

# CEMENT JOB REPORT



|  |  |                                     |                   |                                      |  |
|--|--|-------------------------------------|-------------------|--------------------------------------|--|
| CUSTOMER EOG Resources Inc.                                  |  | DATE 19-FEB-11                      | F.R. # 1001764653 | SERV. SUPV. JEFFREY A ANDERSON       |  |
| LEASE & WELL NAME<br>LION CREEK #09-35H - API 05123325580000 |  | LOCATION<br>35-11N-64W              |                   | COUNTY-PARISH-BLOCK<br>Weld Colorado |  |
| DISTRICT<br>Brighton   |  | DRILLING CONTRACTOR RIG #<br>SST-56 |                   | TYPE OF JOB<br>Liner                 |  |

| SIZE & TYPE OF PLUGS                               |  | LIST-CSG-HARDWARE               |  | PHYSICAL SLURRY PROPERTIES |                |                            |           |                  |            |               |
|--|--|---------------------------------|--|----------------------------|----------------|----------------------------|-----------|------------------|------------|---------------|
|  |  |                                 |  | SACKS OF CEMENT            | SLURRY WGT PPG | SLURRY YLD FT <sup>3</sup> | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER |
| MATERIALS FURNISHED BY BJ                          |  |                                 |  |                            |                |                            |           |                  |            |               |
| Premium Lite High Strength D+ adds                 |  |                                 |  | 316                        | 13             | 1.82                       | 9.20      | 04:34            | 101.9      | 68.87         |
| 10 bbls sugar+alpha then 62 Bbls alpha then 90bbls |  |                                 |  | 0                          | 8.34           | 0                          | 0         | 00:00            | 131        |               |
| Ultra Flush II + Alpha-125                         |  |                                 |  | 0                          | 9.5            | 0                          | 0         | 00:00            | 40         |               |
| Fresh Water + Inflo-150 + Alpha                    |  |                                 |  | 0                          | 8.34           | 0                          | 0         | 00:00            | 10         |               |
| Fresh Water + Inflo-150 + Alpha                    |  |                                 |  | 0                          | 8.34           | 0                          | 0         | 00:00            | 10         |               |
| Available Mix Water 400 Bbl.                       |  | Available Displ. Fluid 200 Bbl. |  | TOTAL                      |                |                            |           |                  | 292.9      | 68.87         |

| HOLE |          |       | TBG-CSG-D.P. |      |      |       | COLLAR DEPTHS |      |       |       |
|------|----------|-------|--------------|------|------|-------|---------------|------|-------|-------|
| SIZE | % EXCESS | DEPTH | SIZE         | WGT. | TYPE | DEPTH | GRADE         | SHOE | FLOAT | STAGE |
| 6    | 0        | 11629 | 4.5          | 11.6 | CSG  | 11625 | N-80          |      |       |       |

| LAST CASING |     |      |       | PKR-CMT RET-BR PL-LINER |       | PERF. DEPTH |     | TOP CONN |        | WELL FLUID |      |
|-------------|-----|------|-------|-------------------------|-------|-------------|-----|----------|--------|------------|------|
| SIZE        | WGT | TYPE | DEPTH | BRAND & TYPE            | DEPTH | TOP         | BTM | SIZE     | THREAD | TYPE       | WGT. |
| 7           | 23  | CSG  | 7740  | Liner                   | 7046  | 0           | 0   | 2        | 8RD    | OTHER      | 8.4  |

| 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 |              |
| 142.5         | BBLs | 10 bbls sugar+alpha t | 8.34 | 0         | 0            | 0       | 0           | 0        | 6224        | 3000     | Upright Tank |

|   |   |  |  |
|---|---|--|--|
| Circulation Prior to Job  |   |  |  |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>      | Circulation Time: 1      Circulation Rate: 5 BPM  |  |  |
| Mud Density In: 8.4 LBS/GAL      Mud Density Out: 8.4 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"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE      |  |       |   |
| Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES  | Quantity:  | Type: | <input type="checkbox"/> BOW <input type="checkbox"/> RIGID |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input 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 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   |

|  |                  |     |                                |
|--|------------------|-----|--------------------------------|
| Casing Test (Update Original Treatment Report for Primary Job) |                  |     |                                |
| Casing Test Pressure: 2000 PSI                                 | With 8.4 LBS/GAL | Mud | Time Held: 00 Hours 02 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 |                       |  |



# CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

N/A

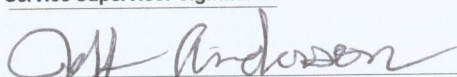
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

N/A

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

N/A

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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<br>5000 PSI   |   |
|  |                             |   |                                      |                                  |                            | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>   |   |
| 03:30  | 0                           | 0   | 0                                    | 0                                | N/A                        | Pre Rig Up Meeting   |   |
| 07:30  | 0                           | 0   | 0                                    | 0                                | N/A                        | Safety Meeting   |   |
| 08:15  | 5022                        | 0   | 0                                    | 0                                | WATER                      | Pressure Test  |   |
| 08:23  | 3000                        | 0   | 7.2                                  | 224                              | WATER                      | Set Hanger   |   |
| 09:45  | 0                           | 0   | 0                                    | 0                                | N/A                        | Rig Circulate  |   |
| 10:42  | 0                           | 0   | 0                                    | 0                                | N/A                        | Safety Meeting   |   |
| 10:55  | 4132                        | 0   | 0                                    | 0                                | WATER                      | Pressure Test  |   |
| 10:58  | 250                         | 0   | 2.4                                  | 10                               | WATER                      | Fresh Water + Addds  |   |
| 11:03  | 790                         | 0   | 4.9                                  | 40                               | WATER                      | Ultraflush II + Addds  |   |
| 11:13  | 630                         | 0   | 5                                    | 10                               | WATER                      | Fresh Water + Addds  |   |
| 11:16  | 299                         | 0   | 5.1                                  | 101.9                            | CEMENT                     | Batch up and pump Lead Slurry 316 sks @ 13.0 PPG of + PL HSD + 0.4% R-3 + 2.4% FL-62 + 0.4% ASA-301 + 0.5% Sodium Metasilicate + 88.2% Fresh Water |   |
| 11:40  | 0                           | 0   | 0                                    | 0                                | N/A                        | Drop Plug  |   |
| 11:55  | 107                         | 0   | 5                                    | 47                               | WATER                      | Displacement   |   |
| 12:06  | 582                         | 0   | 4.8                                  | 7                                | WATER                      | Caught Cement  |   |
| 12:08  | 23                          | 0   | 1.5                                  | 12                               | WATER                      | Drop Rate  |   |
| 12:19  | 1100                        | 0   | 5                                    | 54                               | WATER                      | Increase Rate  |   |
| 12:39  | 686                         | 0   | 2.6                                  | 6                                | WATER                      | Drop Rate  |   |
| 12:53  | 924                         | 0   | 2.2                                  | 5                                | WATER                      | Over Displacement for Wet Shoe   |   |
| 12:55  | 0                           | 0   | 0                                    | 0                                | N/A                        | Shutdown   |   |
| 13:15  | 1856                        | 0   | 0                                    | 0                                | WATER                      | Casing Test  |   |
| 13:20  | 0                           | 0   | 0                                    | 0                                | N/A                        | Job Done   |   |
| 13:30  | 0                           | 0   | 0                                    | 0                                | N/A                        | Pre Rig Down Meeting   |   |
| BUMPED<br>PLUG<br>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> | PSI TO<br>BUMP<br>PLUG<br>0 | TEST<br>FLOAT<br>EQUIP.<br>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> | BBL.CMT<br>RETURNS/<br>REVERSED<br>0 | TOTAL<br>BBL.<br>PUMPED<br>516.9 | PSI<br>LEFT ON<br>CSG<br>0 | SPOT<br>TOP OUT<br>CEMENT<br>Y <input checked="" type="checkbox"/> N <input type="checkbox"/>  | Service Supervisor Signature:<br> |

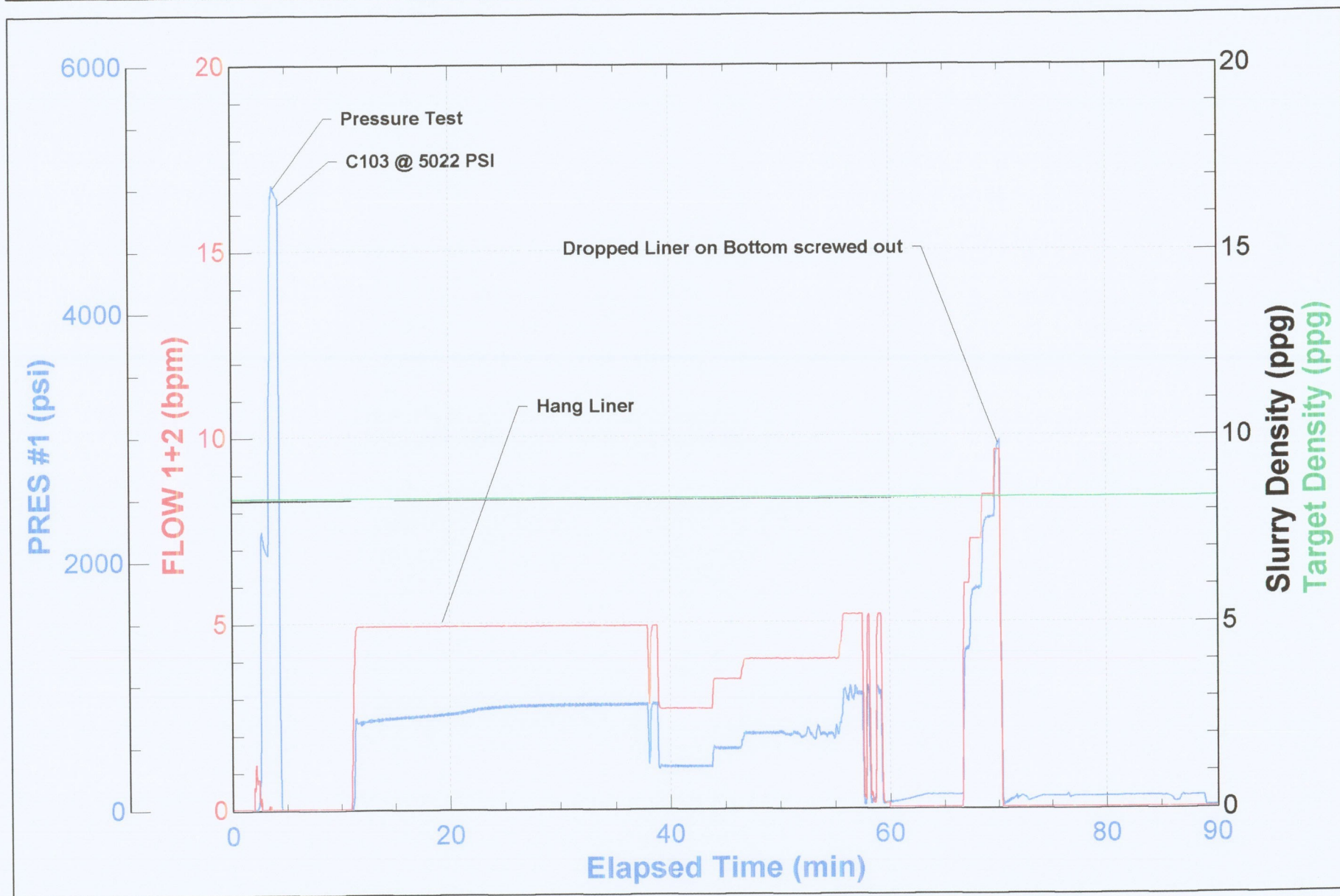


# BJ Services JobMaster Program Version 3.50

Job Number: 1001764653

Customer: EOG

Well Name: Lion Creek 09-35H







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