

# CEMENT JOB REPORT



|   |                 |   |                                |   |                       |  |                    |   |   |                      |                  |              |             |
|---|-----------------|---|--------------------------------|---|-----------------------|--|--------------------|---|---|----------------------|------------------|--------------|-------------|
| <b>CUSTOMER</b> ANADARKO PETROLEUM COR  |                 | <b>DATE</b> 18-DEC-14   |                                | <b>F.R. #</b> 10011126839                     |                       | <b>SERV. SUPV.</b> Edgar Lozano Diaz   |                    |   |   |                      |                  |              |             |
| <b>LEASE &amp; WELL NAME</b><br>ESTER F GAUMER #1 - API 05123073100000  |                 | <b>LOCATION</b><br>21-3N-66W  |                                | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado   |                       |  |                    |   |   |                      |                  |              |             |
| <b>DISTRICT</b><br>Brighton   |                 | <b>DRILLING CONTRACTOR RIG #</b>  |                                | <b>TYPE OF JOB</b><br>Plug Back               |                       |  |                    |   |   |                      |                  |              |             |
| <b>SIZE &amp; TYPE OF PLUGS</b>   |                 | <b>LIST-CSG-HARDWARE</b>  |                                | <b>MECHANICAL BARRIERS</b>                    |                       | <b>MD</b>  | <b>TVD</b>         |   |   |                      |                  |              |             |
|   |                 |   |                                |   |                       |  |                    |   |   |                      |                  |              |             |
| <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> |                  |              |             |
|   |                 |   |                                | 50  | 15.8                  | 1.36   | 5.67               | 02:30   | 13  | 7.23                 |                  |              |             |
|   |                 |   |                                |   | 8.34                  |  |                    |   | 25  |                      |                  |              |             |
|   |                 |   |                                |   | 8.34                  |  |                    |   | 20  |                      |                  |              |             |
| Available Mix Water 50 Bbl.   |                 | Available Displ. Fluid 50 Bbl.  |                                | <b>TOTAL</b>                                  |                       | 58   | 7.23               |   |   |                      |                  |              |             |
| <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> |             |
| 0   | 0               | 0   | 4                              | 4.5   | 11.6                  | CSG  | 7410               | 7410  |   |                      |                  |              |             |
|   |                 |   | 1.995                          | 2.375   | 4.7                   | TBG  | 7410               | 7410  |   |                      |                  |              |             |
| <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> |
|   |                 |   |                                |   |                       | NO PACKER  | 0                  |   |   | 2.375                | 8RD              | FRESH WATER  | 8.34        |
| <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>      |                  |              |             |
| 25  | BBLS            | Fresh Water   | 8.34                           | 0   | 0                     | 0  | 3500               | 2500  | 0   | 0                    | TRUCK            |              |             |
| <b>Circulation Prior to Job</b>   |                 |   |                                |   |                       |  |                    |   |   |                      |                  |              |             |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>  |                 |   |                                |   |                       | Circulation Time: .5   |                    |   | Circulation Rate: 2 BPM   |                      |                  |              |             |
| Mud Density In: 8.34 LBS/GAL Mud Density Out: 8.34 LBS/GAL  |                 |   |                                |   |                       | PV & YP Mud In:  |                    |   | PV & YP Mud Out:  |                      |                  |              |             |
| Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:   |                 |   |                                |   |                       | Solids Present at End of Circulation:  |                    |   | NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> |                      |                  |              |             |
| <b>Displacement And Mud Removal</b>   |                 |   |                                |   |                       |  |                    |   |   |                      |                  |              |             |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>   |                 |   |                                |   |                       | Amount Bled Back After Job: 0 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 checked="" type="checkbox"/> NO MANIFOLD |                 |   |                                |   |                       |  |                    |   |   |                      |                  |              |             |
| <b>Plugs</b>  |                 |   |                                |   |                       |  |                    |   |   |                      |                  |              |             |
| Number of Attempts by BJ: 1 Competition: 1  |                 |   |                                |   |                       | 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: 6631 FT   |                    |   | Bottom of Plug: 7410 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:                                  |                       | Fluid Weight: LBS/GAL  |                    |   |   |                      |                  |              |             |
| <b>Casing Test (Update Original Treatment Report for Primary Job)</b>   |                 |   |                                |   |                       |  |                    |   |   |                      |                  |              |             |
| Casing Test Pressure: PSI With LBS/GAL Mud  |                 |   |                                |   |                       | Time Held: Hours Minutes   |                    |   |   |                      |                  |              |             |
| <b>Shoe Test (Update Original Treatment Report for Primary Job)</b>   |                 |   |                                |   |                       |  |                    |   |   |                      |                  |              |             |
| Depth Drilled out of Shoe: FT   |                 |   |                                |   |                       | Target EMW: LBS/GAL  |                    |   | Actual EMW: LBS/GAL   |                      |                  |              |             |
| Number of Times Tests Conducted:  |                 |   |                                |   |                       | Mud Weight When Test was Conducted: LBS/GAL  |                    |   |   |                      |                  |              |             |

# CEMENT JOB REPORT



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

NA

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

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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

| 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   | 4900 PSI  |
|                      |                |         |             |                      |               | CIRCULATING WELL - RIG   | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 10:00                | 0              | 0       | 0           | 0                    | 0             | LEAVE YARD   |   |
| 10:25                | 0              | 0       | 0           | 0                    | 0             | ARRIVE TO LOCATION   |   |
| 10:30                | 0              | 0       | 0           | 0                    | 0             | START SERVICE  |   |
| 10:40                | 0              | 0       | 0           | 0                    | 0             | SPUT TRUCK   |   |
| 10:50                | 0              | 0       | 0           | 0                    | 0             | RIG UP SAFETY MEETING  |   |
| 11:20                | 0              | 0       | 0           | 0                    | 0             | SAFETY MEETING   |   |
| 11:50                | 0              | 0       | 0           | 0                    | 0             | MAKE TOP CONNECTION  |   |
| 12:04                | 100            | 0       | 1           | 2                    | H2O           | LOAD LINE  |   |
| 12:07                | 730            | 0       | 0           | 0                    | H2O           | LOW PRESSURE TEST  |   |
| 12:09                | 4900           | 0       | 0           | 0                    | H2O           | LOW PRESSURE TEST  |   |
| 12:13                | 500            | 0       | 2           | 20                   | H2O           | FRESH WATER SPACER   |   |
| 12:24                | 0              | 0       | 0           | 0                    | 0             | SHUT DOWN TO BACH CEMENT   |   |
| 12:31                | 375            | 0       | 2.5         | 13                   | CMT           | CLASS G CMT @ 15.8# 50 SACKS   |   |
| 12:42                | 0              | 0       | 0           | 0                    | 0             | START DISPLACEMENT   |   |
| 12:45                | 740            | 0       | 3           | 10                   | H2O           | PRESSURE @ RATE  |   |
| 12:49                | 350            | 0       | 2.4         | 15                   | H2O           | PRESSURE @ RATE  |   |
| 12:53                | 0              | 0       | 0           | 0                    | 0             | SHUT DOWN BALANCE PLUG   |   |
| 13:00                | 0              | 0       | 0           | 0                    | 0             | STOP SERVICE TURN OVER TO RIG  |   |
| 13:15                | 0              | 0       | 0           | 0                    | 0             | RIG DOWN MEETING   |   |
| 00:00                | 0              | 0       | 0           | 0                    | 0             | BOTTOM OF PLUG @ 7410'   |   |
| 00:00                | 0              | 0       | 0           | 0                    | 0             | TOP OF PLUG @ 6631' CALCULATE  |   |

|  |                             |   |                                      |                               |                            |   |                               |
|--|-----------------------------|---|--------------------------------------|-------------------------------|----------------------------|---|-------------------------------|
| BUMPED<br>PLUG<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | PSI TO<br>BUMP<br>PLUG<br>0 | TEST<br>FLOAT<br>EQUIP.<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | BBL.CMT<br>RETURNS/<br>REVERSED<br>0 | TOTAL<br>BBL.<br>PUMPED<br>63 | PSI<br>LEFT ON<br>CSG<br>0 | SPOT<br>TOP OUT<br>CEMENT<br>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | Service Supervisor Signature: |
|--|-----------------------------|---|--------------------------------------|-------------------------------|----------------------------|---|-------------------------------|

# CEMENT JOB REPORT



|   |                 |   |                                |   |                                      |   |                    |                         |   |                      |                  |              |             |
|---|-----------------|---|--------------------------------|---|--------------------------------------|---|--------------------|-------------------------|---|----------------------|------------------|--------------|-------------|
| <b>CUSTOMER</b> ANADARKO PETROLEUM COR  |                 | <b>DATE</b> 19-DEC-14                         | <b>F.R. #</b> 10011127069      |   | <b>SERV. SUPV.</b> Edgar Lozano Diaz |   |                    |                         |   |                      |                  |              |             |
| <b>LEASE &amp; WELL NAME</b><br>ESTER F GAUMER #1 - API 05123073100000  |                 | <b>LOCATION</b><br>21-3N-66W                  |                                | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado |                                      |   |                    |                         |   |                      |                  |              |             |
| <b>DISTRICT</b><br>Brighton   |                 | <b>DRILLING CONTRACTOR RIG #</b><br>WO        |                                | <b>TYPE OF JOB</b><br>Plug Back             |                                      |   |                    |                         |   |                      |                  |              |             |
| <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>   |                    |                         |   |                      |                  |              |             |
|   |                 |   |                                | Retainers                                   |                                      | 4245 4245   |                    |                         |   |                      |                  |              |             |
| <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> |                  |              |             |
|   |                 |   |                                | 370   | 15.8                                 | 1.15  | 4.94               | 02:30                   | 75.7  | 43.40                |                  |              |             |
|   |                 |   |                                |   | 8.34                                 |   |                    |                         | 20  |                      |                  |              |             |
|   |                 |   |                                |   | 8.34                                 |   |                    |                         | 10.5  |                      |                  |              |             |
| Type III + Addis  |                 | 0   |                                | 0   |                                      | 0   | 00:00              | 0                       |   |                      |                  |              |             |
| Fresh Water   |                 |   |                                | 0   |                                      | 0   | 00:00              | 0                       |   |                      |                  |              |             |
| <b>Available Mix Water</b> 160 <b>Bbl.</b>  |                 | <b>Available Displ. Fluid</b> 160 <b>Bbl.</b> |                                | <b>TOTAL</b>                                |                                      | 106.2 43.40   |                    |                         |   |                      |                  |              |             |
| <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> |             |
| 12  |                 | 4600  | 4                              | 4.5   | 11.6                                 | CSG   | 4600               |                         |   |                      |                  |              |             |
|   |                 |   | 1.995                          | 2.375                                       | 4.7                                  | TBG   | 4245               |                         |   |                      |                  |              |             |
| <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> |
|   |                 |   |                                |   |                                      | Cement retainer   | 4245               |                         |   | 2.375                | 8RD              | FRESH WATER  | 8.34        |
| <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>      |                  |              |             |
| 10.5  | BBLS            | Fresh Water                                   | 8.34                           | 0   | 0                                    | 2500  | 3500               | 0                       | 0   | 0                    | RIG TANK         |              |             |
|   |                 | Fresh Water                                   | 0                              |   |                                      |   |                    |                         |   |                      |                  |              |             |
| <b>Circulation Prior to Job</b>   |                 |   |                                |   |                                      |   |                    |                         |   |                      |                  |              |             |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>  |                 |   |                                |   |                                      | Circulation Time: .5  |                    |                         | Circulation Rate: 3 BPM   |                      |                  |              |             |
| Mud Density In: 8.34 LBS/GAL Mud Density Out: 8.34 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 type="checkbox"/> YES <input checked="" type="checkbox"/> |                    |                         |   |                      |                  |              |             |
| <b>Displacement And Mud Removal</b>   |                 |   |                                |   |                                      |   |                    |                         |   |                      |                  |              |             |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>   |                 |   |                                |   |                                      | Amount Bled Back After Job: 0 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 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 checked="" 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 checked="" 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: 1000 Fluid Weight: 8.34 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:</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)  
 NA

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

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

| 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   | 3400 PSI  |
|                      |                |         |             |                      |               | CIRCULATING WELL - RIG   | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 09:20                | 0              | 0       | 0           | 0                    | 0             | LEAVE THE YARD   |   |
| 09:55                | 0              | 0       | 0           | 0                    | 0             | ARRIVE TO LOCATION (18 MILES - RIG RUNNING TUBING INTO THE HOLE)   |   |
| 10:00                | 0              | 0       | 0           | 0                    | 0             | SPOT TRUCK   |   |
| 10:20                | 0              | 0       | 0           | 0                    | 0             | RIG UP SAFETY MEETING  |   |
| 11:50                | 0              | 0       | 0           | 0                    | 0             | MAKE TOP CONNECTION  |   |
| 11:58                | 90             | 0       | .8          | 3                    | H2O           | LOAD LINE  |   |
| 12:05                | 1150           | 0       | 0           | 0                    | 0             | LOW PRESURE TEST   |   |
| 12:15                | 3400           | 0       | 0           | 0                    | 0             | PRESSURE TEST  |   |
| 12:20                | 700            | 0       | 2.8         | 20                   | H2O           | FRESH WATER SPACER   |   |
| 12:30                | 0              | 0       | 0           | 0                    | 0             | SHUT DOWN TO BACH CEMENT   |   |
| 12:35                | 500            | 0       | 2.8         | 75                   | CMT           | CLASS G CEMENT @ 15.8# 370 SACKS   |   |
| 13:07                | 0              | 0       | 0           | 0                    | 0             | START DISPLACEMENT   |   |
| 13:11                | 1000           | 0       | 2.8         | 10.5                 | H2O           | PRESSURE @ RATE  |   |
| 13:13                | 0              | 0       | 0           | 0                    | 0             | SHUT DOWN JOB DONE   |   |
| 13:30                | 0              | 0       | 0           | 0                    | 0             | STOP SERVICE   |   |
| 13:30                | 0              | 0       | 0           | 0                    | 0             | RIG DOWN MEETING   |   |

| 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: |
|---|------------------------|---|---------------------------------|-------------------------|-----------------------|---|-------------------------------|
| Y <input checked="" type="checkbox"/> N | 0                      | Y <input checked="" type="checkbox"/> N | 0                               | 115                     | 0                     | Y <input checked="" type="checkbox"/> N |                               |

## CEMENT JOB REPORT



|  |                          |   |                                   |   |  |   |                         |   |                         |                   |                  |              |             |
|--|--------------------------|---|-----------------------------------|---|--|---|-------------------------|---|-------------------------|-------------------|------------------|--------------|-------------|
| <b>CUSTOMER</b> ANADARKO PETROLEUM COR   |                          | <b>DATE</b> 22-DEC-14   | <b>F.R. #</b> 10011127639         |   | <b>SERV. SUPV.</b> VITALIJS A NEVERDASOV |   |                         |   |                         |                   |                  |              |             |
| <b>LEASE &amp; WELL NAME</b><br>ESTER F GAUMER #1 - API 05123073100000   |                          | <b>LOCATION</b><br>21-3N-66W  |                                   | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado   |  |   |                         |   |                         |                   |                  |              |             |
| <b>DISTRICT</b><br>Brighton  |                          | <b>DRILLING CONTRACTOR RIG #</b><br>WO  |                                   | <b>TYPE OF JOB</b><br>Plug Back               |  |   |                         |   |                         |                   |                  |              |             |
| <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>  |                         |   |                         |                   |                  |              |             |
| NONE   |                          | NONE  | 0                                 | 0   | NONE                                     | 0 0   |                         |   |                         |                   |                  |              |             |
| <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>    |                   |                  |              |             |
| Plug Slurry  | N/A                      |   | 0                                 | 0   | 0  | 0   | 00:00                   | 0   |                         |                   |                  |              |             |
| Fresh Water  | N/A                      |   | 0                                 | 8.34  | 0  | 0   | 00:00                   | 2.6   |                         |                   |                  |              |             |
| Fresh Water  | N/A                      |   | 0                                 | 8.34  | 0  | 0   | 00:00                   | 0   |                         |                   |                  |              |             |
| Type III + Adds  | N/A                      |   | 60                                | 14.8  | 1.33                                     | 6.32  | 00:00                   | 14.17   | 9.02                    |                   |                  |              |             |
| Fresh Water  | N/A                      |   | 0                                 | 0   | 0  | 0   | 00:00                   | 0   |                         |                   |                  |              |             |
| Fresh Water  | N/A                      |   | 0                                 | 0   | 0  | 0   | 00:00                   | 0   |                         |                   |                  |              |             |
| <b>Available Mix Water</b> 60 Bbl.   |                          | <b>Available Displ. Fluid</b> 40 Bbl.   |                                   | <b>TOTAL</b>                                  |  | 16.77   |                         | 9.02  |                         |                   |                  |              |             |
| <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> |             |
|  |                          |   | 4                                 | 4.5   | 11.6                                     | CSG   | 7150                    | 7150  |                         |                   |                  |              |             |
|  |                          |   | 1.995                             | 2.375   | 4.7                                      | TBG   | 1570                    | 1570  | J-55                    |                   |                  |              |             |
| <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> |
|  |                          |   |                                   |   |  | NO PACKER   | 0                       |   |                         | 2.375             | 8RND             | FRESH WATER  | 8.34        |
| <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>   |                  |              |             |
| 2.6  | BBLS                     | Fresh Water   | 8.34                              | 0   | 0  | 0   | 6160                    | 1000  | 0                       | 0                 | TRANSPORT        |              |             |
|  |                          | Fresh Water   | 8.34                              |   |  |   |                         |   |                         |                   |                  |              |             |
| <b>Circulation Prior to Job</b>  |                          |   |                                   |   |  |   |                         |   |                         |                   |                  |              |             |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>   |                          |   |                                   |   |  | Circulation Time: .5  |                         |   | Circulation Rate: 2 BPM |                   |                  |              |             |
| Mud Density In: 0 LBS/GAL Mud Density Out: 0 LBS/GAL   |                          |   |                                   |   |  | PV & YP Mud In: 0   |                         |   | PV & YP Mud Out: 0      |                   |                  |              |             |
| 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"/> |                         |   |                         |                   |                  |              |             |
| <b>Displacement And Mud Removal</b>  |                          |   |                                   |   |  |   |                         |   |                         |                   |                  |              |             |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>  |                          |   |                                   |   |  | Amount Bled Back After Job: 0 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 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 |                          |   |                                   |   |  |   |                         |   |                         |                   |                  |              |             |
| <b>Plugs</b>   |                          |   |                                   |   |  |   |                         |   |                         |                   |                  |              |             |
| Number of Attempts by BJ: 1 Competition: 1   |                          |   |                                   |   |  | 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: 679 FT   |                         |   | Bottom of Plug: 1570 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 2848 PSI  |
|                      |                |         |             |                      |               | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>                   |
| 04:00                | 0              | 0       | 0           | 0                    | N/A           | YARD CALL  |
| 07:17                | 0              | 0       | 0           | 0                    | N/A           | LEAVE DISTRICT   |
| 07:46                | 0              | 0       | 0           | 0                    | N/A           | ARRIVE ON LOCATION   |
| 08:14                | 0              | 0       | 0           | 0                    | N/A           | SPOT TRUCKS  |
| 08:18                | 0              | 0       | 0           | 0                    | N/A           | PRE RIG UP SAFETY MEETING  |
| 08:49                | 0              | 0       | 0           | 0                    | N/A           | PRE JOB SAFETY MEETING   |
| 09:10                | 77             | 0       | 1           | 1                    | H2O           | LOAD LINE  |
| 09:13                | 2848           | 0       | .8          | .1                   | H2O           | PRESSURE TEST  |
| 09:16                | 201            | 0       | 2           | 5                    | H2O           | FRESH WATER SPACER   |
| 09:25                | 147            | 0       | 2           | 14                   | CMT           | BATCH/ WEIGH/ PUMP 60 SX OF TYPE 3 CEMENT @ 14.8 PPG   |
| 09:42                | 416            | 0       | 2.4         | 2.5                  | H2O           | DISPLACEMENT   |
| 09:43                | 0              | 0       | 0           | 0                    | H2O           | SHUT DOWN  |
| 10:09                | 0              | 0       | 0           | 0                    | N/A           | RIG DOWN SAFETY MEETING  |

| 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: |
|---|------------------------|---|---------------------------------|-------------------------|-----------------------|---|-------------------------------|
| Y <input checked="" type="checkbox"/> N | 0                      | Y <input checked="" type="checkbox"/> N | 0                               | 21.5                    | 0                     | Y <input checked="" type="checkbox"/> N |                               |

# CEMENT JOB REPORT



|  |                 |   |  |   |                           |   |   |                                    |   |                         |                   |                      |             |             |
|--|-----------------|---|--|---|---------------------------|---|---|------------------------------------|---|-------------------------|-------------------|----------------------|-------------|-------------|
| <b>CUSTOMER</b> ANADARKO PETROLEUM COR   |                 |   | <b>DATE</b> 24-DEC-14                  |   | <b>F.R. #</b> 10011127896 |   | <b>SERV. SUPV.</b> FELIPE LANDA             |                                    |   |                         |                   |                      |             |             |
| <b>LEASE &amp; WELL NAME</b><br>ESTER F GAUMER #1 - API 05123073100000   |                 |   | <b>LOCATION</b><br>21-3N-66W           |   |                           |   | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado |                                    |   |                         |                   |                      |             |             |
| <b>DISTRICT</b><br>Brighton  |                 |   | <b>DRILLING CONTRACTOR RIG #</b><br>WO |   |                           |   | <b>TYPE OF JOB</b><br>Plug & Abandon        |                                    |   |                         |                   |                      |             |             |
| <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>        |                      |             |             |
|  |                 |   |  |   |                           |   |   |                                    |   |                         |                   |                      |             |             |
| <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> |             |             |
|  |                 |   |  |   |                           | 185   | 14.8  | 1.33                               | 6.32  |                         | 43.8              | 27.87                |             |             |
|  |                 |   |  |   |                           |   | 8.34  |                                    |   |                         | 1                 |                      |             |             |
|  |                 |   |  |   |                           |   | 8.34  |                                    |   |                         | 20                |                      |             |             |
|  |                 |   |  |   |                           |   | 8.5   |                                    |   |                         | 10                |                      |             |             |
| <b>Available Mix Water</b> 100   |                 | <b>Bbl.</b>   |  | <b>Available Displ. Fluid</b> 100             |                           | <b>Bbl.</b>   |   | <b>TOTAL</b>                       |   | 74.8                    | 27.87             |                      |             |             |
| <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>         |             |             |
| 12   | 40              | 680   | 8.097                                  | 8.625   | 24                        | CSG   | 522   |                                    |   |                         |                   |                      |             |             |
|  |                 |   | 1.995                                  | 2.375   | 4.7                       | TBG   | 680   |                                    |   |                         |                   |                      |             |             |
| <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> |
|  |                 |   |  |   |                           | NO PACKER   |   | 0                                  |   |                         | 2.375             | 8RD                  | WATER BASED | 8.34        |
| <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>         |                   |                      |             |             |
| 1  | BBLS            | Fresh Water   | 8.34                                   | 0   | 0                         | 0   | 0   | 1000                               | 0   | 0                       | TRANSPORT         |                      |             |             |
| <b>Circulation Prior to Job</b>  |                 |   |  |   |                           |   |   |                                    |   |                         |                   |                      |             |             |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>   |                 |   |  |   |                           | Circulation Time: 1   |   |                                    | Circulation Rate: 2 BPM   |                         |                   |                      |             |             |
| Mud Density In: 8.34 LBS/G Mud Density Out: 8.34 LBS/GAL   |                 |   |  |   |                           | PV & YP Mud In:   |   |                                    | PV & YP Mud Out:  |                         |                   |                      |             |             |
| 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"/> |   |                                    |   |                         |                   |                      |             |             |
| <b>Displacement And Mud Removal</b>  |                 |   |  |   |                           |   |   |                                    |   |                         |                   |                      |             |             |
| 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO   |                 |   |  |   |                           | Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" 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 |                 |   |  |   |                           |   |   |                                    |   |                         |                   |                      |             |             |
| <b>Plugs</b>   |                 |   |  |   |                           |   |   |                                    |   |                         |                   |                      |             |             |
| Number of Attempts by BJ: Competition:   |                 |   |  |   |                           | 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: 330 FT   |   |                                    | Bottom of Plug: 680 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>   |                 |   |  |   |                           |   |   |                                    |   |                         |                   |                      |             |             |
| <b>PRESSURE/RATE DETAIL</b>  |                 |   |  |   |                           | <b>EXPLANATION</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   | 4548 PSI |
|                 |                |         |             |                      |               | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>                   |          |
| 08:00           | 0              | 0       | 0           | 0                    | NA            | ARRIVE ON LOCATION (rig running tubing)  |          |
| 08:25           | 0              | 0       | 0           | 0                    | NA            | SPOT TRUCKS/PRE RIG UP SAFETY MEETING  |          |
| 09:16           | 0              | 0       | 0           | 0                    | NA            | SAFETY MEETING   |          |
| 09:57           | 27             | 0       | .8          | 1                    | H2O           | LOAD LINES   |          |
| 10:00           | 4548           | 0       | 0           | 0                    | H2O           | PRESSURE TEST  |          |
| 10:05           | 52             | 0       | 2           | 5                    | H2O           | FRESH WATER  |          |
| 10:07           | 78             | 0       | 2           | 10                   | H2O           | MUD CLEAN II   |          |
| 10:12           | 104            | 0       | 2           | 20                   | H2O           | FRESH WATER  |          |
| 10:38           | 206            | 0       | 2.5         | 44                   | CEMENT        | 185 SACKS OF TYPE III CEMENT + 0.25 lbs/sack CELLO FLAKE @ 14.8 PPG                                      |          |
| 10:57           | 284            | 0       | 2           | 1                    | H2O           | DISPLACE   |          |
| 11:00           | 0              | 0       | 0           | 0                    | H2O           | BALANCE CEMENT   |          |
| 11:20           | 0              | 0       | 0           | 0                    | NA            | POST JOB RIG DOWN SAFETY MEETING   |          |

| 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: |
|---|------------------------|---|---------------------------------|-------------------------|-----------------------|---|-------------------------------|
| Y <input checked="" type="checkbox"/> N | 0                      | Y <input checked="" type="checkbox"/> N | 2                               | 80                      | 0                     | Y <input checked="" type="checkbox"/> N |                               |