

# CEMENT JOB REPORT



|   |                 |   |   |   |                          |  |                                      |                                    |   |                         |                   |                      |
|---|-----------------|---|---|---|--------------------------|--|--------------------------------------|------------------------------------|---|-------------------------|-------------------|----------------------|
| <b>CUSTOMER</b> Kerr McGee Corp   |                 |   | <b>DATE</b> 11-JAN-10                         |   | <b>F.R. #</b> 1001550798 |  | <b>SERV. SUPV.</b> PHILLIP S MULLINS |                                    |   |                         |                   |                      |
| <b>LEASE &amp; WELL NAME</b><br>HANSON LESLIE GAS UNIT #1 - API 051230859400  |                 |   | <b>LOCATION</b><br>Sec.30 - T3N - R64W        |   |                          | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado  |                                      |                                    |   |                         |                   |                      |
| <b>DISTRICT</b><br>Brighton   |                 |   | <b>DRILLING CONTRACTOR RIG #</b><br>Work-Over |   |                          | <b>TYPE OF JOB</b><br>Squeeze-Perforation  |                                      |                                    |   |                         |                   |                      |
| <b>SIZE &amp; TYPE OF PLUGS</b>   |                 |   | <b>LIST-CSG-HARDWARE</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> |
| <b>MATERIALS FURNISHED BY BJ</b>  |                 |   |   |   |                          |  |                                      |                                    |   |                         |                   |                      |
| Class "G" Neat Cement   |                 |   |   |   |                          | 100  | 15.8                                 | 1.15                               | 4.98  | 01:30                   | 19                | 11.01                |
| Fresh Water   |                 |   |   |   |                          | 0  | 8.34                                 | 0                                  | 0   | 00:00                   | 10                |                      |
| Fresh Water   |                 |   |   |   |                          | 0  | 8.34                                 | 0                                  | 0   | 00:00                   | 18                |                      |
| Available Mix Water <u>80</u> Bbl.  |                 |   | Available Displ. Fluid <u>62</u> Bbl.         |   |                          | <b>TOTAL</b>   |                                      |                                    |   |                         | <u>47</u>         | <u>11.01</u>         |
| <b>HOLE</b>   |                 |   | <b>TBG-CSG-D.P.</b>                           |   |                          |  | <b>COLLAR DEPTHS</b>                 |                                    |   |                         |                   |                      |
| <b>SIZE</b>   | <b>% EXCESS</b> | <b>DEPTH</b>  | <b>SIZE</b>                                   | <b>WGT.</b>                                   | <b>TYPE</b>              | <b>DEPTH</b>   | <b>GRADE</b>                         | <b>SHOE</b>                        | <b>FLOAT</b>  | <b>STAGE</b>            |                   |                      |
| 16  | 0               | 4160  | 4.5   | 11.6  | CSG                      | 4160   | N-80                                 |                                    |   |                         | 0                 |                      |
| <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>SIZE</b>   | <b>WGT</b>      | <b>TYPE</b>   | <b>DEPTH</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>       |                      |
|   |                 |   |   | Compression Packer                            | 3860                     | 4159   | 4160                                 | 2.375                              | 8RD   | WATER BASED MU          | 8.5               |                      |
| <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>         |                   |                      |
| 18  | BBLs            | Fresh Water   | 8.34  | 0   | 560                      | 3000   | 8960                                 | 3000                               | 6224  | 3000                    | Transport         |                      |
| <b>Circulation Prior to Job</b>   |                 |   |   |   |                          |  |                                      |                                    |   |                         |                   |                      |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>  |                 |   |   |   |                          | Circulation Time: 0  |                                      |                                    | Circulation Rate: 0 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 type="checkbox"/> YES <input checked="" type="checkbox"/>  |                 |   |   |   |                          | Units: 0   |                                      |                                    | 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: .25 BBLs   |                                      |                                    |   |                         |                   |                      |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL   |                 |   |   |   |                          | Method Used to Verify Returns: Visually  |                                      |                                    |   |                         |                   |                      |
| Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |                 |   |   |   |                          | Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES |                                      |                                    |   |                         |                   |                      |
| Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE |                 |   |   |   |                          |  |                                      |                                    |   |                         |                   |                      |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES   |                 |   |   |   |                          | Quantity: 0  |                                      |                                    | 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: 0   |                 |   |   |   |                          | Competition: 0   |                                      |                                    | Wiper Balls Used: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES Quantity: 0         |                         |                   |                      |
| 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: 1500                             |                          | 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>Shoe Test (Update Original Treatment Report for Primary Job)</b>   |                 |   |   |   |                          |  |                                      |                                    |   |                         |                   |                      |
| 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)<br>N/A   |                 |   |   |   |                          |  |                                      |                                    |   |                         |                   |                      |



# CEMENT JOB REPORT



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   | 3900 PSI  |
|                      |                |         |             |                      |               | CIRCULATING WELL - RIG   | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 14:00                | 0              | 0       | 0           | 0                    | N/A           | Pre rig up safety meeting  |   |
| 14:30                | 0              | 0       | 0           | 0                    | N/A           | Pre job safety meeting   |   |
| 14:43                | 3900           | 0       | 0           | 0                    | WATER         | Pressure test pumps and line   |   |
| 14:46                | 500            | 0       | 0           | 0                    | WATER         | Load backside  |   |
| 14:48                | 2500           | 0       | 2           | 10                   | WATER         | Spacer   |   |
| 14:54                | 1500           | 0       | 1.5         | 19                   | CEMENT        | Batchup and pump 100 sks of G Neat @15.8#  |   |
| 15:08                | 0              | 0       | 0           | 0                    | WATER         | Washup pumps and line  |   |
| 15:14                | 1850           | 0       | 1.5         | 18                   | WATER         | Displace   |   |
| 15:26                | 0              | 0       | 0           | 0                    | N/A           | Stop service   |   |
| 15:35                | 0              | 0       | 0           | 0                    | N/A           | 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 type="checkbox"/> N <input checked="" type="checkbox"/> | 0                      | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | 0                               | 47                      | 1500                  | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |                               |



# BJ Services JobMaster Program Version 3.20

Job Number: 1001550798

Customer: KMG

Well Name: Hason Leslie Gas Unit #1

