

## CEMENT JOB REPORT



|   |                                      |   |                           |   |                                      |   |                     |
|---|--------------------------------------|---|---------------------------|---|--------------------------------------|---|---------------------|
| <b>CUSTOMER</b> BAYSWATER EXPLORATION &   |                                      | <b>DATE</b> 29-OCT-14   | <b>F.R. #</b> 10011113323 |   | <b>SERV. SUPV.</b> Anthony J Staples |   |                     |
| <b>LEASE &amp; WELL NAME</b><br>MOJACK #J-28HN - API 05123398240000   |                                      | <b>LOCATION</b><br>28-7N-64W  |                           | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado   |                                      |   |                     |
| <b>DISTRICT</b><br>Brighton   |                                      | <b>DRILLING CONTRACTOR RIG #</b><br>FRONTIER 8                                |                           | <b>TYPE OF JOB</b><br>Surface   |                                      |   |                     |
| <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 MD TVD</b>  |                     |
| 9-5/8" Top Cem Plug, Nitrile cvr, Phe   | Float Shoe 9-5/8 - 8rd               |   |                           |   |                                      |   |                     |
|   | Float Collar, Auto Fill, 9-5/8 - 8rd |   |                           |   |                                      |   |                     |
|   | Centralizer, with Pins, 9-5/8 in     |   |                           |   |                                      |   |                     |
| <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>   |                     |
| Fresh Water   |                                      | 0   | 8.34                      | 0   | 0                                    | 10  |                     |
| Type III Cement + Adds  |                                      | 250   | 14.5                      | 1.41  | 6.81                                 | 62.8  |                     |
| Fresh Water   |                                      | 0   | 8.34                      | 0   | 0                                    | 57.8  |                     |
| <b>Available Mix Water</b> 200 <b>Bbl.</b>  |                                      | <b>Available Displ. Fluid</b> 200 <b>Bbl.</b>                                 |                           | <b>TOTAL</b>  |                                      | 130.6 40.53   |                     |
| <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 TVD GRADE</b> |
| 12.25   | 30                                   | 800   | 8.835                     | 9.625   | 36                                   | CSG   | 792 792 J-55        |
|   |                                      |   |                           |   |                                      |   | 792 748 1           |
| <b>LAST CASING</b>  |                                      | <b>PKR-CMT RET-BR PL-LINER</b>  |                           | <b>PERF. DEPTH</b>  |                                      | <b>TOP CONN</b>   |                     |
| <b>ID</b>   | <b>OD</b>                            | <b>WGT</b>  | <b>TYPE</b>               | <b>MD</b>   | <b>TVD</b>                           | <b>WELL FLUID</b>   |                     |
|   |                                      |   |                           |   |                                      | <b>BRAND &amp; TYPE</b>   |                     |
|   |                                      |   |                           |   |                                      | No Packer   |                     |
|   |                                      |   |                           |   |                                      | 9.625 8RND WATER BASED 8.8  |                     |
| <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>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>        |
| 57.8  | BBLS                                 | Fresh Water   | 8.34                      | 237   | 0                                    | 0   | 0                   |
|   |                                      |   |                           |   |                                      |   | 0                   |
|   |                                      |   |                           |   |                                      |   | 2816                |
|   |                                      |   |                           |   |                                      |   | 2000                |
|   |                                      |   |                           |   |                                      |   | Frac Tank           |
| <b>Circulation Prior to Job</b>   |                                      |   |                           |   |                                      |   |                     |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>  |                                      |   |                           | Circulation Time: 1   |                                      | Circulation Rate: 6.5 BPM   |                     |
| Mud Density In: 8.8 LBS/GAL Mud Density Out: 8.8 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: .5 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"/> 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: 8   |                                      | Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID   |                     |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD |                                      |   |                           |   |                                      |   |                     |
| <b>Plugs</b>  |                                      |   |                           |   |                                      |   |                     |
| Number of Attempts by BJ: 0 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: 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 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 3175 PSI  |
|                      |                |         |             |                      |               | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>                   |
| 00:00                | 0              | 0       | 0           | 0                    | N/A           | Leave Yard   |
| 01:30                | 0              | 0       | 0           | 0                    | N/A           | Arrive on Location (Bulk Truck Only) 48 Miles  |
| 07:40                | 0              | 0       | 0           | 0                    | N/A           | Spot Trucks  |
| 07:45                | 0              | 0       | 0           | 0                    | N/A           | Pre-Rig Up Safety Meeting  |
| 08:20                | 0              | 0       | 0           | 0                    | N/A           | Pre-Job Safety Meeting   |
| 08:56                | 65             | 0       | 1.5         | 1.5                  | H2O           | Load Lines   |
| 08:58                | 3175           | 0       | 0           | 0                    | H2O           | Pressure Test  |
| 09:03                | 153            | 0       | 4.8         | 10                   | H2O           | Fresh Water Spacer   |
| 09:14                | 185            | 0       | 4           | 63                   | CMT           | Batch, Weigh, and Pump 14.5# Type III + .08 lbs/sk Static Free + 2% CaCl + .25 lbs/sk Cello Flake        |
| 09:48                | 0              | 0       | 0           | 0                    | H2O           | Shut Down/Wash Up Mixing Tub   |
| 09:55                | 0              | 0       | 0           | 0                    | H2O           | Drop Plug  |
| 09:55                | 222            | 0       | 4.8         | 35                   | H2O           | Displacement   |
| 10:03                | 196            | 0       | 3           | 5                    | H2O           | Rate Change  |
| 10:06                | 230            | 0       | 2.1         | 18                   | H2O           | Rate Change  |
| 10:13                | 826            | 0       | 0           | 0                    | H2O           | Bumped Plug @ 58 Bbls away...20 Bbls CMT to Surface  |
| 10:14                | 0              | 0       | 0           | 0                    | N/A           | Pressure fell off as soon as pump kicked out. Valve in cellar was leaking, rig fixed                     |
| 10:24                | 886            | 0       | 0           | 0                    | H2O           | Re-Bumped the Plug   |
| 10:34                | 0              | 0       | 0           | 0                    | H2O           | Bleed off, Check Floats  |
| 10:38                | 0              | 0       | 0           | 0                    | N/A           | Pre-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: |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|--|-------------------------------|
| <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 272                    | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 20                              | 131                     | 0                     | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                               |

