

## Halliburton Energy Services

## Request for Cement Lab Testing

☒ **Pilot Test**      ☐ **Plant Blend**      ☐ **Field Blend**      **SC APPROVAL** \_\_\_\_\_  
**Date:** 12/3/01      **Need By :** NOW  
**Company:** HUDSON & HUDSON  
**Lease/Well #:** WARHOL # 1      0      **TOL Depth/Temp.:** \_\_\_\_\_  
**County:** LEA NM      **Job Type/Casing Size:** 9 5/8      0  
**HES Contact:** PW THORNTON      **District:** HOBBS NM

| Slurry Design # 1                                                  |                                                |            | Slurry Design # 2                                                  |                                                 |            |
|--------------------------------------------------------------------|------------------------------------------------|------------|--------------------------------------------------------------------|-------------------------------------------------|------------|
| Stage: _____                                                       |                                                |            | Stage: _____                                                       |                                                 |            |
| Option 1 <input checked="" type="checkbox"/> Lead      _____ Other |                                                |            | Option 2 <input checked="" type="checkbox"/> Tail      _____ Other |                                                 |            |
| <b>Temp.</b>                                                       | <b>Static:</b>                                 | 115        | <b>Temp.</b>                                                       | <b>Static:</b>                                  | 115        |
|                                                                    | <b>Circ:</b>                                   |            |                                                                    | <b>Circ.:</b>                                   |            |
| <b>Depth: (TVD/MD)</b>                                             |                                                | 4500 ft.   | <b>Depth: (TVD/MD)</b>                                             |                                                 | 4500 ft.   |
| <b>MUD WEIGHT:</b>                                                 |                                                | 10 #/gal.  | <b>MUD WEIGHT:</b>                                                 |                                                 | 10 #/gal.  |
| <b>Special Blends:</b>                                             |                                                |            | <b>Special Blends:</b>                                             |                                                 |            |
| <b>Material</b>                                                    | <b>Conc./Sack</b>                              |            | <b>Material</b>                                                    | <b>Conc./Sack</b>                               |            |
| Interfill C                                                        | 84                                             |            | PREMIUM PLUS                                                       | 94                                              |            |
|                                                                    |                                                |            | Cacl2                                                              | 1%                                              |            |
|                                                                    |                                                |            |                                                                    |                                                 |            |
|                                                                    |                                                |            |                                                                    |                                                 |            |
|                                                                    |                                                |            |                                                                    |                                                 |            |
|                                                                    |                                                |            |                                                                    |                                                 |            |
|                                                                    |                                                |            |                                                                    |                                                 |            |
|                                                                    |                                                |            |                                                                    |                                                 |            |
|                                                                    |                                                |            |                                                                    |                                                 |            |
|                                                                    |                                                |            |                                                                    |                                                 |            |
| <b>Water (source) :</b>                                            |                                                |            | <b>Water (source) :</b>                                            |                                                 |            |
| Lab Tap: <input checked="" type="checkbox"/> Submitted: _____      |                                                |            | Lab Tap: <input checked="" type="checkbox"/> Submitted: _____      |                                                 |            |
| <b>Slurry Weight :</b>                                             | 11.9                                           | #/gal      | <b>Slurry Weight :</b>                                             | 14.8                                            | #/gal      |
| <b>Slurry Volume :</b>                                             | 2.45                                           | cuft/sk    | <b>Slurry Volume :</b>                                             | 1.32                                            | cuft/sk    |
| <b>Water Required:</b>                                             | 14.25                                          | gal/sk     | <b>Water Required:</b>                                             | 6.3                                             | gal/sk     |
| <b>Min-Max</b>                                                     |                                                |            | <b>Min-Max</b>                                                     |                                                 |            |
| <b>Thick. Time</b>                                                 |                                                |            | <b>Thick. Time</b>                                                 |                                                 |            |
| <b>Fluid Loss</b>                                                  |                                                |            | <b>Fluid Loss</b>                                                  |                                                 |            |
| <b>Free Water</b>                                                  |                                                |            | <b>Free Water</b>                                                  |                                                 |            |
| <b>Rheologies</b>                                                  |                                                |            | <b>Rheologies</b>                                                  |                                                 |            |
| <b>Comp. Strengths @:</b> _____ °F                                 |                                                |            | <b>Comp. Strengths @:</b> _____ °F                                 |                                                 |            |
| UCA                                                                | <b>Crush</b>                                   | <b>RRC</b> | UCA                                                                | <b>Crush</b>                                    | <b>RRC</b> |
| 12 Hr.                                                             | <input checked="" type="checkbox"/> 12 Hr. 173 | 24 Hr.     | 12 Hr.                                                             | <input checked="" type="checkbox"/> 12 Hr. 700  | 24 Hr.     |
| 24 Hr.                                                             | <input checked="" type="checkbox"/> 24 Hr. 364 | 72 Hr.     | 24 Hr.                                                             | <input checked="" type="checkbox"/> 24 Hr. 1734 | 72 Hr.     |
| 48 Hr.                                                             | 48 Hr.                                         | Other      | 48 Hr.                                                             | 48 Hr.                                          | Other      |
| 72 Hr.                                                             | 72 Hr.                                         |            | 72 Hr.                                                             | 72 Hr.                                          |            |
| Other                                                              | Other                                          |            | Other                                                              | Other                                           |            |
| <b>Comments:</b>                                                   |                                                |            | <b>Comments:</b>                                                   |                                                 |            |
| Greg this is the Interfill C, and Premium Plus 1% cmts.            |                                                |            | Greg this is the Interfill C, and Premium Plus 1% cmts.            |                                                 |            |
| Note the tail cmt over the 500 psi,so you can drill out at 12 hrs. |                                                |            | Note the tail cmt over the 500 psi,so you can drill out at 12 hrs. |                                                 |            |
| <b>Requester:</b>                                                  |                                                |            | <b>Requester:</b>                                                  |                                                 |            |

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