



| Casing Type | Size of Hole | Size of Casing | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Top | Cmt Bot | Status |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|--------|
| CONDUCTOR   | 18           | 16             | 42.05 | 0             | 124           | 80        | 0       | 124     | VISU   |
| SURF        | 13+3/4       | 9+5/8          | 36    | 0             | 660           | 367       | 0       | 660     | VISU   |
| 1ST         | 8+3/4        | 7              | 26    | 0             | 7,016         | 604       | 1,134   | 7,016   | CALC   |
| 1ST LINER   | 6+1/8        | 4+1/2          | 11.6  | 6891          | 11,165        | 0         |         |         |        |

**STAGE/TOP OUT/REMEDIAL CEMENT**

Cement work date: \_\_\_\_\_

| Method used | String | Cementing tool setting/perf depth | Cement volume | Cement top | Cement bottom |
|-------------|--------|-----------------------------------|---------------|------------|---------------|
|             |        |                                   |               |            |               |

Details of work:

21. Formation log intervals and test zones:

**FORMATION LOG INTERVALS AND TEST ZONES**

| FORMATION NAME | Measured Depth |        | Check if applies         |                          | COMMENTS (All DST and Core Analyses must be submitted to COGCC) |
|----------------|----------------|--------|--------------------------|--------------------------|---|
|                | Top            | Bottom | DST                      | Cored                    |   |
| PARKMAN        | 3,476          |        | <input type="checkbox"/> | <input type="checkbox"/> |   |
| SUSSEX         | 4,214          |        | <input type="checkbox"/> | <input type="checkbox"/> |   |
| SHANNON        | 4,790          |        | <input type="checkbox"/> | <input type="checkbox"/> |   |
| TEEPER BUTTES  | 5,812          |        | <input type="checkbox"/> | <input type="checkbox"/> |   |
| NIOBRARA       | 6,520          |        | <input type="checkbox"/> | <input type="checkbox"/> |   |

Comment:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Kathleen Mills

Title: Regulatory Analyst Date: \_\_\_\_\_ Email: kmills@nobleenergyinc.com

**Attachment Check List**

| Att Doc Num                        | Document Name         | attached ?                              |  |
|------------------------------------|-----------------------|---|--|
| <b><u>Attachment Checklist</u></b> |                       |   |  |
| 400462537                          | CMT Summary *         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
|                                    | Core Analysis         | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| 400462538                          | Directional Survey ** | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
|                                    | DST Analysis          | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
|                                    | Logs                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
|                                    | Other                 | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| <b><u>Other Attachments</u></b>    |                       |   |  |
| 400462514                          | PDF-CEMENT BOND       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 400462530                          | LAS-GAMMA RAY         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 400462532                          | PDF-GAMMA RAY         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 400462533                          | LAS-MUD               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 400462534                          | LAS-MUD               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| 400462539                          | DIRECTIONAL DATA      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |

General Comments

**User Group**

**Comment**

**Comment Date**

| User Group | Comment | Comment Date |
|------------|---------|--------------|
|            |         |              |

Total: 0 comment(s)