



Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	24	16	75	0	124	80	0	124	CALC
SURF	13+3/4	9+5/8	36	0	653	357	0	653	VISU
1ST	8+3/4	7	26	0	7,045	575	2,206	7,045	CBL
1ST LINER	6+1/8	4+1/2	11.6	6960	11,103	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	
PIERRE	3,006		<input type="checkbox"/>	<input type="checkbox"/>	
PARKMAN	3,728		<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX	4,545		<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON	5,054		<input type="checkbox"/>	<input type="checkbox"/>	
TEEPEE BUTTES	5,952		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	6,727		<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: 5/9/2013 Email: kmills@nobleenergyinc.com

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<b>Attachment Checklist</b>			
400416169	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400416171	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>Other Attachments</b>			
400416147	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400416163	CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400416174	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
700096984	MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
700097584	MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
700097585	GAMMA RAY	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Added MUD and GAMMA RAY logs. Per operator corrected BHL footages.	7/2/2014 2:23:50 PM

Total: 1 comment(s)