

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	
SUSSEX	4,504		<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON	4,929		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	7,014		<input type="checkbox"/>	<input type="checkbox"/>	
FORT HAYS	7,340		<input type="checkbox"/>	<input type="checkbox"/>	
CODELL	7,365		<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: JEAN MUSE-REYNOLDS

Title: Regulatory Compliance Date: 6/21/2012 Email: jmuse@nobleenergyinc.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
400297968	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2114036	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"/>
Other Attachments			
400292458	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400295950	TRIPLE COMBINATION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400295953	CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400413375	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
Permit	Received directional data for correct well. Removed values in Measured Depth Bottom (likely TVDs) Ready to pass.	5/3/2013 9:00:26 AM
Permit	Directional Survey was from wrong well. Attached correct one and requested directional data.	4/26/2013 10:25:04 AM
Permit	Sent reminder to opr for clarification on footages and depths.	3/22/2013 3:19:34 PM
Permit	Requested again that operator recalculate footages. Asked if any zones below Codell were encountered.	11/21/2012 9:58:48 AM
Permit	Well is 230' deeper than permitted depth with a sundry. Questioned operator if they encountered any deeper zones. Request operator recalculate footages (my calcs: top PZ: 1156 FNL, 1561 FEL; BHL 1162 FNL, 1555 FEL)	9/27/2012 2:35:55 PM

Total: 5 comment(s)