

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	
SHARON SPRINGS	2,377	2,408	<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	2,424	2,466	<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: WILLIAM F. HAYWORTH

Title: PRESIDENT Date: 8/23/2012 Email: BHAYWORTH@BLACKRAVENENERGY.COM

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
2233386	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Directional Survey **	Yes <input type="checkbox"/>	No <input checked="" 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"/>
<u>Other Attachments</u>			
2233385	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2518688	DENS/NEU - IND - LAS	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2518689	DENS/NEU-IND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2518690	INDUCTION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2518691	POROSITY LOG	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
Permit	Attached all logs.	10/23/2013 2:40:40 PM
Permit	Missing LAS log and hard copies/ PDF's of the induction and porsity logs	10/23/2013 7:21:50 AM

Total: 2 comment(s)