

Cement work date: _____

Details of work:

Method used	String	Cementing tool setting/pref depth	Cement volume	Cement top	Cement bottom

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	2,832		<input type="checkbox"/>	<input type="checkbox"/>	
PARKMAN	4,275		<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX	4,358		<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON	4,979		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	6,926		<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: MARI CLARK

Title: REGULATORY ANALYST II Date: 7/27/2011 Email: MCLARK@NOBLEENERGY.COM

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
2072592	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2072593	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 type="checkbox"/>	No <input checked="" type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Other Attachments</u>			
2568568	WELLBORE DIAGRAM	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2568851	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
Engineer	<p>Email From Mari Clark 9/16/2011:</p> <p>Hi Ryan-here is the drilling engineer's explanation. Hopefully it answers all your concerns. Sorry for the delay. Thanks, Mari</p> <p>Below is the explanation of what happened. If Ryan needs further information or explanation, have him give me a shout.</p> <p>We were drilling ahead in our lateral at 8663, when the lateral motor failed. We pulled out of the hole to change out the assembly and when tripping back in, we tagged up at 7850'. The wellbore collapsed and we could not get back into the original hole past this depth after numerous cleanup attempts. The decision was made to conduct an openhole sidetrack within the lateral. The kick off depth from which we sidetracked was at 7320'. The intermediate casing shoe was at 7240'. We then drilled deeper within the Niobrara to a deeper target that was 75' below the original hole. Since both the original hole and the sidetrack hole were both in the Niobrara, we were given approval from Jim Precup to conduct the openhole sidetrack without plugging the original hole. No cement was pumped, all sidetracking operations were conducted openhole within the lateral. This was done by orientating directional tools downward to kick off below the original hole.</p> <p>If you have any further questions, please call.</p> <p>Thanks.</p> <p>Aaron Duncan Drilling Engineer 1625 Broadway, Suite 2200 Denver, CO 80202 Direct: 303.228.4372 Cell: 406.498.4526 aduncan@nobleenergyinc.com</p>	10/4/2011 4:09:28 PM
Permit	VERIFIED WITH MARI CLARK@NOBLE THAT NO LOGS WERE RUN ON THE 00	8/18/2011 9:21:04 AM
Permit	REC CMT TKT AND D/S PROFILE, WAITING ON LOGS	8/16/2011 11:48:42 AM
Permit	REQ THE CMT TKTS AND D/S PROFILE. WAITING ON LOGS. SIDETRACKING WELL	8/16/2011 10:43:51 AM

Total: 4 comment(s)