



Cement work date: 02/04/2013

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
	S.C. 1.1		300	0	544
	S.C. 1.1		175	4,354	4,714

Details of work:

Control well w/ 20 bbls kill fluid. RIH w/ 3 3/4" blade bit, and 4 1/2" scraper, 223jts. Tagged fill at 7068' KB. TIH w/ 4 1/2" RBP, retrieved head, 207 jts 2 3/8" tubing. Set RBP @ 6476' KB w/ 220 jts. Pressure test to 1500#. Spot 2 sks sand on plug. Unland casing. Pick Up mule shoe and TIH w/150 jts of 1 1/4" to 4700'. Roll hole clean. Test Iron to 4000 psi. Pump 175 sks of 50/50 POZ @13.5 ppg cement from 4714' to 4354'. Pump 300 sks of "G" neat 15.8 ppg cement from 544' to surface. Reland casing with 100K. Bond log from 5000' to surface. Found cement from 540' up to 11' and 7414' up to 4150'. RIH w/ retrieving head and establish circulation and latch onto RBP. Roll hole clean and release RBP. RIH and test to 6500psi. Land 2 3/8" 4.7 # J-55 tubing to 6991.76' KB. Rig down and move off.

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	
			<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: Julie Webb

Title: Regulatory Analyst Date: 5/23/2013 Email: juliewebb@nobleenergyinc.com

**Attachment Check List**

Att Doc Num	Document Name	attached ?	
<b>Attachment Checklist</b>			
2114129	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"/>
<b>Other Attachments</b>			
400421800	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400421824	CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400421825	CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

**General Comments**

User Group	Comment	Comment Date
Permit	Received and attached correct Cement Job Summary. Ready to pass.	6/18/2013 11:02:56 AM
Permit	Cement Job Summary has incorrect well number. Requested correct one.	5/31/2013 2:17:37 PM

Total: 2 comment(s)