

Cement work date: 01/09/2013

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
1 INCH	S.C. 1.1	4,616	250	4,064	4,616
1 INCH	S.C. 1.1	478	196	0	478

Details of work:

Control well w/ 20 bbls kill fluid. RIH w/ blade bit, and scraper, 223jts. Tagged fill at 7007' KB. TIH w/ RBP, retrieved head, 211 jts 2 3/8" tubing. Set RBP @ 6544' KB w/ 211 jts. Pressure test to 1500#. Spot 2 sks of sand on plug. Unland casing. Pick Up mule shoe and TIH w/146jts of 1 1/4" to 4610'. Test Iron to 4000 psi. Pump 250 sks of "G" neat 15.8 ppg cement from 4616' to 4064'. Pump 196 sks of "G" neat 15.8 ppg cement from 470' to surface. Reland casing with 100K pulled. Bond log from 5000' to surface, found cement from 3900' to 4624 and 480 up to surface. RIH w/ retrieving head and establish circulation and latch onto RBP. Roll hole clean and release RBP. Land 2 3/8" 4.7 # J-55 tubing to 6896.53' 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:

Gamma Ray CCL/CBL hard copy mailed.

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: 4/18/2013 Email: juliewebb@nobleenergyinc.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
400405771	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 type="checkbox"/>	No <input checked="" type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Other Attachments			
400403393	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
Permit	CBL in well file.	1/29/2014 11:54:04 AM

Total: 1 comment(s)