

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 12/20/2012

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
1 INCH	S.C. 1.1	4,650	200	3,950	4,650
1 INCH	S.C. 1.1	618	229	0	618

Details of work:

Control well w/ 20 bbls kill fluid. RIH w/ 3 7/8" blade bit, and 4 1/2" scraper, 216 jts. Tagged fill at 7080' KB. TIH w/ WLTC RBP. Set RBP @ 6550' KB w/ 212 jts. Roll hole clean. PSI test csg to 1500#, with no pressure loss. Dump 2 sk of sand on plug. Unland casing. Pick Up mule shoe and TIH w/147 jts of 1 1/4" to 4635'. Roll hole clean. Pump 200 sks of 13.5ppg cement covering 3950' to 4650'. TOOH with tubing to 610'. Pump 8 bbls ahead. Pump 229 sks of "G" neat 15.8 ppg cement from 618' to 11'. Reland casing @ 78000# pack off well head. Bond log from 5000' to surface. Found cement from 4650' to 3950' and 618' to surface with good bond. RIH w/ retrieving head and establish circulation and latch onto RBP. Roll hole clean and release RBP. Test tubing to 6500 psi. Land 2 2/8" 4.7# J-55 tubing to 6946.90'. 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			
400403987	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			
400403529	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 11:55:05 AM

Total: 1 comment(s)