

Cement work date: 10/05/2011

Method used	String	Cementing tool setting/pref depth	Cement volume	Cement top	Cement bottom
1 INCH	S.C. 1.2	3,146	328	0	3,160
STAGE TOOL	S.C. 1.1	5,930	260	3,173	5,930

Details of work:

Remedial cementing

TIH circulate to 7039'. TIH and set RBP @ 6662, pressure test casing to 2000 psi, test good. TIH with 1 1/4" annular cement string, tag original cmt @ 3160'. Set EOT @ 3146, pump 328 sks 12.0# Varicem, pulled EOT to 1064', pumped 190 sks 13.0# Varicem, circulate 8 bbl to surface.

Run CBL from 3300 to surfac

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: Jeff Glossa

Title: Sr Engineering Tech Date: 11/10/2011 Email: jglossa@petd.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
400222756	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>			
400222753	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400222755	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

User Group	Comment	Comment Date
Permit	REC CBL DOC#2445145	11/18/2011 8:09:48 AM
Permit	waiting on cbl	11/11/2011 9:27:02 AM

Total: 2 comment(s)