

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	24	16	84	0	84	177	0	84	VISU
SURF	12+1/4	8+5/8	32	0	983	267	0	983	CALC
1ST	7+7/8	4+1/2	11.6	0	6,758	585	1,875	6,768	CBL

ADDITIONAL CEMENT

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	
MESAVERDE	2,933		<input type="checkbox"/>	<input type="checkbox"/>	
CAMEO	5,296		<input type="checkbox"/>	<input type="checkbox"/>	
ROLLINS	6,500		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

Note: All depths given are from KB.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Hannah Knopping

Title: Permit Representative Date: 11/17/2010 Email: hknopping@anteroresources.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
400109634	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400088426	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 checked="" type="checkbox"/>	No <input type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Other Attachments</u>			
400088425	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400102584	PLAT	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400102585	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400102586	LAS-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400102587	LAS-TRIPLE COMBINATION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400109647	LAS-TEMPERATURE	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

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General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	TEMP/GR LOG DOC# 2547451	4/4/2011 10:37:06 AM

Total: 1 comment(s)