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From: **Kosola - DNR, Jason** <jason.kosola@state.co.us>
Date: Thu, May 7, 2015 at 11:10 AM
Subject: Fwd: Open Hole Logs
To: Steve Jenkins - DNR <steve.jenkins@state.co.us>, Penny Garrison <penny.garrison@state.co.us>
Cc: blorenz@svrginfo.com

Steve,

Please see Brandon's email below regarding Synergy's attempts to obtain an open hole log on the Cannon pad. They were able to get an open hole log down to 5,500' but were not able to get to the KOP on any of the attempts. Will the log to 5,500' be sufficient or are there other cased hole options for the final well on the pad?

Thanks,

Jason E. Kosola, P.G.

Permit Completion Technician



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From: **Brandon Lorenz** <blorenz@svrginfo.com>
Date: Thu, May 7, 2015 at 10:37 AM
Subject: Open Hole Logs
To: jason.kosola@state.co.us

Jason,

Thanks for taking the time to discuss our logging issue on the phone this morning. As I mentioned we have made multiple attempts to open hole log our SRC Cannon pad.

Here is a brief summary of the well, # of attempts and time spent trying to get logs down as deep as we can.

SRC Cannon S-16CHZ - API# 051234078100

Made 1 logging attempt. Time spent 1.75 hours

SRC Cannon 11-16CHZ - API# 051234078700

Wiper trip wellbore and made 1 logging attempt Time spent 30.25 hours

SRC Cannon 13-16CHZ - API# 051234078300

Wiper trip well bore and made 3 logging attempts with wiper trips between each attempt. Time spent 23.25 hours

SRC Cannon 13-16NHZ - API# 051234078400

Made special reamer run and made 3 logging attempts with wiper trips between each attempt. Time spent 51.5 hours

I attached the logs that we did get down on the SRC Cannon 13-16CHZ - API# 05123407830013 well. It made it down to 5,500'. We also have additional gamma on this well from 5800 to TID of Intermediate.

Is this information enough? We do have one more well we will drill. If you would like I will make one more attempt to get logs down but as you can see it have been a challenge. If additional information is needed, is there an alternative that I can provide.

Thanks for your consideration.

Brandon Lorenz
Drilling Manager
Synergy Resources Corporation
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Tel: [\(970\) 515-7535](tel:(970)515-7535)
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Barbara Westerdale
Permit Supervisor



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