

**Nelson, Bobby A**

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**From:** Labiche, Lance  
**Sent:** Thursday, December 22, 2011 11:23 AM  
**To:** Nelson, Bobby A  
**Cc:** Bradford, Cary (Dallas)  
**Subject:** RE: Revised Nexen GC504 #1 Well Containment Screening Tool Update - Dec 22 2011

Bobby,

I have reviewed the revised screening and this well still meets the criteria for the capping stack only approval.

Thanks,

*Lance Labiche*

District Operations Support Section Chief  
Bureau of Safety and Environmental Enforcement  
504-736-2433 (Office)  
504-329-2516 (Cell)  
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**From:** Bradford, Cary (Dallas) [mailto:Cary\_Bradford@nexeninc.com]  
**Sent:** Thursday, December 22, 2011 10:33 AM  
**To:** Labiche, Lance  
**Cc:** Bradford, Cary (Dallas)  
**Subject:** FW: Revised Nexen GC504 #1 Well Containment Screening Tool Update - Dec 22 2011

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**From:** Bradford, Cary (Dallas)  
**Sent:** Thursday, December 22, 2011 10:23 AM  
**To:** lance.labiche@bsee.gov  
**Cc:** bobby.nelson@bsee.gov; Bradford, Cary (Dallas); Mossman, Tracy (Houston)  
**Subject:** Revised Nexen GC504 #1 Well Containment Screening Tool Update - Dec 22 2011

Mr Lance Labiche,

Please find attached the following documents and associated comments:

1 - Well Containment Screening Tool has been updated as follows:

11-3/4" liner setting depth - Based on real-time SeismicVision While Drilling pick of Base of Salt, liner was set 735' shallower than planned.

11-3/4" liner top / lap - Premature release of liner hanger running tool resulted in liner falling to bottom without engagement of liner hanger slips resulting in 167' less lap.

11-3/4" cement top and HID - Unable to conduct conventional primary cementing operations thus requiring three cement squeezes which resulted in a shorter column.

Mud weight for running 9-7/8" liner - Required 15.3 ppg to stabilize inclusions near Base of Salt (versus the planned 14.4 ppg based on predicted pore pressure).

Collapse rating of 9-7/8" liner hanger revised due to 9-5/8", 47 ppf Vam Top connection at the bottom of the liner top packer and liner hanger.

Collapse & burst rating of 7-5/8" liner hanger revised due to use of a different vendor due to requirement for a second wiper plug.

Updated 7-5/8" liner shoe track connection/grade due to equipment availability.

All changes from the previous version submitted are highlighted in orange.

None of these updates have led to any significant changes to the failure points/logic (just slight changes to design factors).

VCST

Vellbore Schematic.

Formation Pressure Curve.

Assistance schematic demonstrating cement placement below 9-7/8" liner top.

Consequentiality Analysis

Use review and contact Tracy Mossman at 832-499-8579 or myself at 281-467-7881 if you have any questions..

Note that we are in the process of getting the documentation for the updated RPD PE certified. As soon as we get the PE certification, we will send the RPD documentation including the revised procedure.

Thanks,

Cary V. Bradford

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