



**Andrews, David**

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**From:** Garza, Travis C. [garzat@chevron.com]  
**Sent:** Tuesday, September 18, 2012 11:27 AM  
**To:** Andrews, David  
**Cc:** Peterson, Diane L. (DLPE); Geiser, Greg A.; JUSTUS, JULIE A; Bacon, Tony A; Moeller, Ronald W (rmvr); Long, Jacob R.  
**Subject:** RE: Emerald 97X - 05-103-11913 - Chevron - Surface Casing Cement Details

Top Out information conducted Monday, 9/17 afternoon.

TOC from primary cement job as per temp log – 690'

Top Out #1:

- Class "G" neat cement
- 175 sxs
- 1.17 ft3/sx
- 15.8 ppg

Top Out #2:

- Class "G" neat cement
- 50 sxs
- 1.17 ft3/sx
- 15.8 ppg
- Cement to surface

Travis Garza  
Chevron – Drilling Engineer  
Grand Junction, CO  
(970) 210-6780

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**From:** Bacon, Tony A  
**Sent:** Sunday, September 16, 2012 5:23 PM  
**To:** [David.Andrews@state.co.us](mailto:David.Andrews@state.co.us)  
**Cc:** Peterson, Diane L. (DLPE); Geiser, Greg A.; Garza, Travis C.; JUSTUS, JULIE A  
**Subject:** Emerald 97X - 05-103-11913 - Chevron - Surface Casing Cement Details

Hole Size – 13.5"

Casing Size – 9.625"

Casing Setting Depth – 2,004' MD

Stage Tool Setting Depth – (not used)

Final Circulating Pressure Prior to Bumping Plug – 425 psi

Pressure Plug Bumped – XXX psi

Time Plug Held Before Bleeding Pressure – X minutes

Lead Cement – 261 bbls

- 650 sxs
- 2.26 ft3/sx
- 12.3 ppg

Tail Cement – 89 bbls

- 250 sxs
- 2.01 ft3/sx

- 12.8 ppg

Bbls of Cement Circulated to Surface During Primary Job – 0 bbls

## Andrews, David

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**From:** Andrews, David  
**Sent:** Tuesday, September 18, 2012 12:35 PM  
**To:** 'Knauss, Martin E.'; Browning, Chuck  
**Cc:** Garza, Travis C.; Geiser, Greg A.; Peterson, Diane L. (DLPE); JUSTUS, JULIE A  
**Subject:** RE: Emerald 97X - Rangely Field - Chevron - Surface Casing Cement Job

Marty,

This confirms my verbal approval to proceed with the top out (granted over the phone on Sunday morning).

Thanks,

**David D. Andrews, P.E., P.G.**  
Engineering Supervisor - Western Colorado

**State of Colorado**  
**Oil and Gas Conservation Commission**  
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Website: <http://www.colorado.gov/cogcc>

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**From:** Knauss, Martin E. [<mailto:MKnauss@chevron.com>]  
**Sent:** Sunday, September 16, 2012 7:20 AM  
**To:** Andrews, David; Browning, Chuck  
**Cc:** Garza, Travis C.; Geiser, Greg A.; Peterson, Diane L. (DLPE); JUSTUS, JULIE A  
**Subject:** Emerald 97X - Rangely Field - Chevron - Surface Casing Cement Job

David and Chuck.

Early this morning we cemented our surface casing on Emerald 97X (API 05-103-11913) in the Rangely field. Casing was set at 2004'.

We had partial mud returns during the cement job. No visible cement to surface. Our final pump pressure prior to bumping the wiper plug was 425 psi. That lift pressure equates to cement very close to surface. We ran a temperature log that shows a TOC of 690' (attached). A plumb bob run 300' from surface down the annular space of the casing did not tag cement. During drilling our loss zone was at ~1350'. The annular space is currently standing full of mud to surface.

We request your approval to commence with topping out with cement to surface. The equipment is onsite and it is preferable to complete this prior to walking the rig to the next well.

Thank you for your time.

**Martin Knauss -- PE**  
Drilling Superintendent - Rocky Mtn Region

Drilling and Completions

Mid-Continent BU

***Safe Performance***

**Chevron North America**

**Exploration and Production Company**

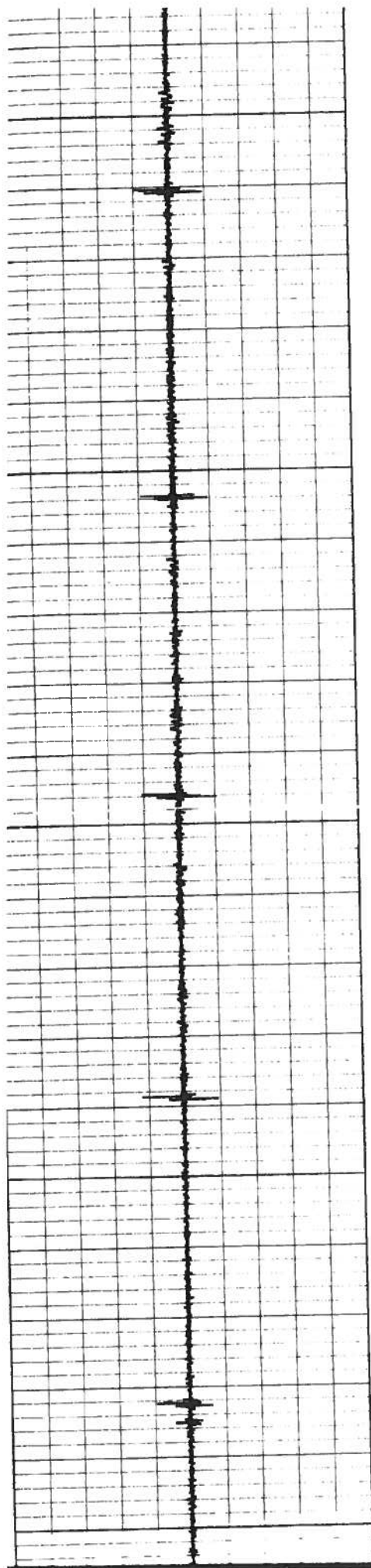
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