

**From:** [Kyla Vaughan](#)  
**To:** [Koepsell, Arthur](#)  
**Subject:** RE: Snowbird 9-15 Form 2A Document # 400317111, Nighthawk Production LLC  
**Date:** Tuesday, September 11, 2012 11:00:21 AM  
**Attachments:** [Snowbird 9-15.Revised Hydrology Map.pdf](#)

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Good Morning Arthur,

Please see attached the revised Hydrology Map for the Snowbird 9-15.

Thanks for all your Help!!

Kyla Vaughan  
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Office: 505.326.2107  
Cell: 505.635.5669

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**From:** Koepsell, Arthur [mailto:Arthur.Koepsell@state.co.us]  
**Sent:** Tuesday, September 04, 2012 1:43 PM  
**To:** Kyla Vaughan  
**Subject:** Snowbird 9-15 Form 2A Document # 400317111, Nighthawk Production LLC

Kyla,

The COGCC is reviewing the Form 2A (#400317111) for the Nighthawk Production LLC Snowbird 9-15, located in the NESE Sec 15 T6S R54W Lincoln County, Colorado. The COGCC requests the following changes to the information provided and acknowledgement of conditions of approval prior to passing the Oil and Gas Location Assessment (OGLA).

Sensitive area Determination

The location falls within the Northern High Plains Designated Basin and is by rule considered a sensitive area. The sensitive area tab has been changed to yes.

Soil

The proposed location falls across three soil types the reported Sampson Loam 0 -2 % slopes and the unreported Wages Loam 2-6% slopes and Kimst loam 3 - 12 % slopes. The Wages Loam 2-6% map unit 209 and Kimst loam 3 - 12 % slopes map unit 144 should be added to the Form 2A along with the appropriate NRCS soils reports.

Hydrology Map

A review of aerial photos and topo maps available on the COGCC website indicate that The North fork of the Arikaree River is approximately 700 feet from the proposed location. The Hydrology map should be amended to state that the river is approximately 700 feet from the location. Please send the revised Hydrology map via email.

Please feel free to contact me if you have any questions or concerns.

Thanks,

Arthur

Arthur W. Koepsell, P.G.  
Oil & Gas Location Assessment Specialist  
Southern Area

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