

From: [Kallasandra Moran](#)
To: [Koepsell, Arthur](#)
Subject: RE: Safranek 04-1296H 2A # 400214273, Auburn Operating Company
Date: Friday, October 14, 2011 8:26:31 AM
Attachments: [image001.png](#)

Arthur,

The client Concurs with the proposed COAs

Thanks!

Kallasandra M. Moran
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[Petroleum Field Services](#)
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From: Koepsell, Arthur [mailto:Arthur.Koepsell@state.co.us]
Sent: Thursday, October 13, 2011 11:02 AM
To: Kallasandra Moran
Subject: Safranek 04-1296H 2A # 400214273, Auburn Operating Company

Kallasandra,

The COGCC is reviewing the Form 2A (#400214273) for the Auburn Operating Company Safranek 04-1296H location, located in the NWNW Sec 12 T9S R56W Lincoln County, Colorado. The COGCC requests the following changes regarding the data submitted on or attached to the Form 2A prior to passing the Oil and Gas Location Assessment (OGLA).

Construction: The date to commence construction starts prior to the 20 day public comment period.

- Please provide a date later than 11/03/2011 to commence construction.

The following conditions of approval will apply to the Safranek 04-1296H location:

- All production pits will be lined as per rule 904.b.
- The operator will conduct baseline sampling of (at a minimum) the two (2) closest water wells, springs, or surface water features within a one (1) mile radius of the proposed Safranek 04-1296H location. Sampling preference shall be given to domestic water wells and springs over surface water. Testing of surface water features shall only be conducted if two (2) water wells or springs do not exist within a one (1) mile radius of the selected oil and gas location. If possible, the water wells or springs selected should be on opposite sides of the oil and gas location not exceeding a one (1) mile radius. If water wells or springs on opposite sides of the oil and gas location cannot be identified or access to the wells is denied by the owner, then the two (2) closest wells or springs within a one (1) mile radius of the oil and gas location shall be sampled. The operator may conduct additional groundwater monitoring at their own discretion.

Laboratory analysis at a minimum will include the following:

pH (lab)
TDS
Conductivity (lab, not resistivity)
SAR calculation
Ca, K, Mg, Na, As, B, Ba, Cd, Cr, Cu, Fe, Mn, Pb, Se (all total recoverable)
Br, Cl, F, SO₄,
Alkalinity (Total, HCO₃ and CO₃ – all expressed as CaCO₃)
benzene
toluene
ethyl benzene
o-xylene
m- + p-xylene
Dissolved Methane
MBAS
DRO, GRO

Field parameters including pH, Temperature and Conductivity shall be recorded prior to collecting the sample for laboratory analysis. Field observations such as odor, water color, sediment, bubbles and effervesce shall also be included.

The selected sampling locations will be sampled again 1 year after and 3 years after completion. Post completion sampling of water wells will consist of the same analyte list as the pre-drilling program.

Copies of all test results, field parameters and field observations described above shall be provided to the Director and the water well owner within three (3) months of collecting the samples. The analytical data and surveyed well locations shall also be submitted to the Director in an electronic data deliverable format. The data can be sent via email to Arthur.Koepsell@state.co.us.

Operators shall make a good faith effort to conduct initial baseline testing of the selected water wells prior to the drilling of the proposed well; however, not conducting baseline testing because access to the water wells cannot be obtained shall not be grounds for a violation.

If you have any questions or concerns please feel free to contact me.

Thanks,

Arthur

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

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