

STATE OF  
COLORADO

Andrews - DNR, Doug &lt;doug.andrews@state.co.us&gt;

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**COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location  
- Doc #400658916**8 messages

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**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: nick.curran@iptenergyservices.com

Mon, Sep 22, 2014 at 10:30 AM

Nick,

I have reviewed the referenced Form 2A Oil & Gas Location Assessment and have the following comments.

- 1) You have indicated the nearest property line is 14 feet away and have a comment indicating a signed property line waiver (603.a.2) has been secured. Please provide me with a copy of this signed waiver and I will add it to the Form 2A.
- 2) Due to the proximity of irrigation ditches and the Eaton Ditch to this proposed oil and gas location, I will change the Sensitive Area designation from NO to YES in the Water Resources section.
- 3) Due to the proximity of irrigation ditches and the Eaton Ditch to this location, I will place the following Condition of Approval on this Form 2A: "Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the irrigation ditches and Eaton Ditch located 182 feet and 199 feet northeast and 199 feet and 256 feet northwest of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products."

Please respond to this correspondence by October 22, 2014. If you have any questions, please contact me. Thank you.

--

*Doug Andrews*

Oil &amp; Gas Location Assessment Specialist - Northeast Area

**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

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**Nick Curran** <Nick.Curran@iptenergyservices.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Mon, Sep 22, 2014 at 11:02 AM

Hi Doug,

Attached is the requested property line waiver. It was attached to the APD's but not the 2A, going forward I will be sure to include it on both. PS, would I also attach 'out of window waivers' or 'twinning' waivers to the 2A as well as the APDs?

I am ok with the changes and the language for the COA. No problemo.

Thanks for your time,

**Nick Curran**  
**Regulatory Tech**  
**Project Management/ Permitting**

P: 720.420.5745

C: 720.445.1793

F: 720.420.5800

[nick.curran@iptenergyservices.com](mailto:nick.curran@iptenergyservices.com) | [www.iptenergyservices.com](http://www.iptenergyservices.com)



Integrated Petroleum Technologies, Inc. | 1707 Cole Blvd, Suite 200 | Golden, CO 80401

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Monday, September 22, 2014 10:30 AM

**To:** Nick Curran

**Subject:** COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916

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**SKMBT\_C55414090417440.pdf**  
441K

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**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Nick Curran <Nick.Curran@iptenergyservices.com>

Mon, Sep 22, 2014 at 11:08 AM

Nick,

"...would I also attach 'out of window waivers' or 'twinning' waivers to the 2A as well as the APDs?"

No, those waivers only need to go on the APDs.

[Quoted text hidden]

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**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Nick Curran <Nick.Curran@iptenergyservices.com>

Mon, Sep 22, 2014 at 1:57 PM

Nick,

Since neither the WAAG MIDDLE nor the WAAG SOUTH wells will produce to this location, is the Facilities list for this location correct? Seems odd that a location with only 5 wells will need 36 oil tanks, 13 separators, 2 buried produced water vaults, one gas compressor, and 4 energy conversion devices. Also, what exactly is an energy conversion device?

[Quoted text hidden]

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**Nick Curran** <Nick.Curran@iptenergyservices.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Mon, Sep 22, 2014 at 2:15 PM

Hi Doug,

All of the facility drawings I have been given jive with what I have permitted. I too agree that is a lot of facility equipment but that was indeed what was given to the survey crew prior to drawing up the sketches. If you wish I can follow up with Extraction that it is indeed correct, but that is what is illustrated on the attachments. Also, an ECD (i may have the acronym wrong) is the same as a VOC combustor I was just told. Sorry if I mislead you by calling it an energy conversion device.

Nick

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Monday, September 22, 2014 1:58 PM

**To:** Nick Curran

**Subject:** Re: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916

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**3 attachments**



**PRO SCALED FACILITY\_WAAG SOUTH PAD (rev2014-08-11).pdf**  
116K



**PRO SCALED FACILITY\_WAAG MIDDLE PAD (rev2014-09-04).pdf**  
126K



**PRO SCALED FACILITY\_WAAG NORTH PAD (2014-09-04).pdf**  
157K

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**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Nick Curran <Nick.Curran@iptenergyservices.com>

Mon, Sep 22, 2014 at 2:19 PM

Nick,

If you wouldn't mind following up with Extraction on the Facilities list for WAAG NORTH location, I would appreciate it. I will change the Electric/Energy Conversion Device to say Emission Control Device instead. Thanks.

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**Nick Curran** <Nick.Curran@iptenergyservices.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Mon, Sep 22, 2014 at 2:26 PM

Doug,

Ok, I have an email into Extraction and will circle back with you as soon as I receive an answer.

Thanks,

Nick

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Monday, September 22, 2014 2:20 PM

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**Nick Curran** <Nick.Curran@iptenergyservices.com>

Mon, Sep 22, 2014 at 3:17 PM

To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Doug,

After speaking with Extraction, the indicated facilities are correct. The part that was incorrectly explained is that the Waag Middle Pad will not simply flow back to the Waag South Pad as I previously indicated. What happened is that half of the wells on Waag Middle Pad (Wells #6-12) will flow to the Waag North NENW Pad #1 (Doc #400658916) and the other half of the wells (Wells #13-18) will flow back to the Waag South SESW Pad #1 (Doc #400658921)

I apologize for the confusion.

Thanks,

**Nick Curran**

**Regulatory Tech**

**Project Management/ Permitting**

P: 720.420.5745

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**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Monday, September 22, 2014 2:20 PM

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