

**From:** [Caravaggio, Alexander](#)  
**To:** [Diana Burn - Dnr](#)  
**Cc:** [Light, Cheryl](#); [Green, Doreen](#)  
**Subject:** Re: P&A Request for KUGEL V 18-5 API#05-123-17258  
**Date:** Friday, May 12, 2017 1:28:53 PM  
**Attachments:** [image001.jpg](#)  
[image001.jpg](#)  
[image001.jpg](#)

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Please disregard this request. Per our conversation we have decided to move forward with the cement job and tag on Monday to see where we are at.

Thanks!

Alex

Sent from my iPhone

On May 12, 2017, at 1:18 PM, Caravaggio, Alexander  
<[Alexander.Caravaggio@anadarko.com](mailto:Alexander.Caravaggio@anadarko.com)> wrote:

Hi Diane,

We lost pressure while testing our plug at 7390' and suspect that we may have casing integrity issues above the plug. We would like permission to set another CIBP at 7120' (above the NIO top at 7193') and pump our balance plug on top of this.

Please confirm when you can. Thank you.

Regards,

Alex

Sent from my iPhone

Begin forwarded message:

**From:** "Caravaggio, Alexander"  
<[Alexander.Caravaggio@anadarko.com](mailto:Alexander.Caravaggio@anadarko.com)>  
**Date:** May 12, 2017 at 8:52:59 AM MDT  
**To:** "Jenkins - DNR, Steve" <[steve.jenkins@state.co.us](mailto:steve.jenkins@state.co.us)>  
**Cc:** "Light, Cheryl" <[Cheryl.Light@anadarko.com](mailto:Cheryl.Light@anadarko.com)>, "Green, Doreen" <[Doreen.Green@anadarko.com](mailto:Doreen.Green@anadarko.com)>  
**Subject:** FW: P&A Request for KUGEL V 18-5 API#05-123-17258

Hi Steve,

Looks like Diane is out of the office for a few days. Please see the below request to change the procedure from a wiper plug squeeze to cutting casing at the Sussex. Kindly confirm when you can. Thanks!

Regards,

Alex Caravaggio  
Field Engineer  
Anadarko Petroleum Corporation  
501 N. Division Blvd.  
Platteville, CO 80651  
213-880-8119

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**From:** Caravaggio, Alexander  
**Sent:** Friday, May 12, 2017 8:50 AM  
**To:** 'Diane McCoy - DNR' <[diane.mccoy@state.co.us](mailto:diane.mccoy@state.co.us)>; Green, Doreen <[doreen.green@anadarko.com](mailto:doreen.green@anadarko.com)>  
**Cc:** Light, Cheryl <[Cheryl.Light@anadarko.com](mailto:Cheryl.Light@anadarko.com)>  
**Subject:** RE: P&A Request for KUGEL V 18-5 API#05-123-17258

Diane,

We would like to make a slight change to the procedure because of the vintage of the well and 2-7/8" casing.

- <!--[if !supportLists]-->• <!--[endif]-->Cut casing at 4170' and pump 130 sacks of cement at 4170' using the 2-7/8" casing as our workstring. This plug will be tagged.
- <!--[if !supportLists]-->• <!--[endif]-->Place same 340 sack stub/surface plug from 1100-526' using the 2-7/8" casing as our workstring. This plug will be tagged.

The main reason for going away from the squeeze was a concern of establishing circulation through perf holes. We believe we give ourselves a better chance of success by cutting then attempting to circulate.

Kindly confirm these changes when you can. Thank you!

Regards,

Alex Caravaggio  
Field Engineer  
Anadarko Petroleum Corporation  
501 N. Division Blvd.  
Platteville, CO 80651

213-880-8119

**From:** Diane McCoy - DNR [<mailto:diane.mccoy@state.co.us>]

**Sent:** Wednesday, May 10, 2017 3:51 PM

**To:** Green, Doreen <[Doreen.Green@anadarko.com](mailto:Doreen.Green@anadarko.com)>

**Cc:** Caravaggio, Alexander <[Alexander.Caravaggio@anadarko.com](mailto:Alexander.Caravaggio@anadarko.com)>; Light, Cheryl <[Cheryl.Light@anadarko.com](mailto:Cheryl.Light@anadarko.com)>

**Subject:** Re: P&A Request for KUGEL V 18-5 API#05-123-17258

Thanks for the clarification.

The Form 17 from 05/01/2017 indicates oil was produced from the surface casing but that no samples were collected... Based on the liquid flow from the surface casing samples are required. Prior to pumping any cement collect bradenhead and production gas samples for laboratory analysis.

The gas analysis shall be for composition and stable carbon isotopes. The compositional analysis at a minimum shall include Hydrogen, Argon, Oxygen, Carbon Dioxide, Nitrogen, Methane, Ethene, Ethane, Propene, Propane, Isobutane, Butane, Isopentane, Pentane, Hexanes +, Specific Gravity and British Thermal Units (BTU). Stable carbon isotope analysis shall include delta DC1, delta 13C1, delta 13C2, delta 13C3, delta 13IC4, delta 13NC4, delta 13IC5 (if possible), delta 13NC5 (if possible), delta 13C6+ (if possible) and stable isotopes of CO2 if possible. If liquid is encountered in the bradenhead then collect samples, analysis of the liquid samples shall be conducted to provide an evaluation of the liquid source. Submit for the laboratory analysis of major anions (chloride, carbonate, bicarbonate, and sulfate), cations (sodium, potassium, calcium, and magnesium) total dissolved solids (TDS), BTEX, DRO, GRO and dissolved gasses (RSK 175). If there is a limited amount of water available then anions, cations and BTEX should be given first priority. If sufficient condensate is present to collect a sample then it should be submitted for whole oil by GC analysis or equivalent. The analysis should include the bio-markers Phytane and Pristane. Copies of all final laboratory analytical results shall be provided to the COGCC within three months of collecting the samples in an approved electronic data deliverable format.

PA approval for the following:

CIBP at 7390' with a 15 sack balanced plug placed on top  
Sussex squeeze at 4170' with 125 sacks. This plug must be tagged.

Cut and pull production casing at 1000'

Place 330 sack production stub/surface casing shoe plug from 1100-526'. After pumping stub/shoe plug, shut down and wait on cement at minimum 4 hours; verify gas/liquid migration has been eliminated. If evidence of gas migration or pressure remains contact COGCC Engineer for an update to plugging orders. This plug must be tagged at 526' or shallower. CIBP at 80' with cement to surface.

Call and email the inspector to notify of the plugging operations since work will start sooner than the 48 hour notice the Form 42 provides. Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. Leave at least 100' of cement in the wellbore for each plug. Submit the gyro survey with the Form 6 Subsequent.

Thanks,

Diane McCoy

Engineer

co\_dnr\_div\_ogcc\_300\_rgb\_ltrhd\_v3



1120 Lincoln Street, Suite 801, Denver, CO 80203

[303.894.2100](tel:303.894.2100) x5114

[Diane.McCoy@state.co.us](mailto:Diane.McCoy@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

On Wed, May 10, 2017 at 3:30 PM, Green, Doreen

<[Doreen.Green@anadarko.com](mailto:Doreen.Green@anadarko.com)> wrote:

We rigged up on this well today, and were tripping out of the hole with tubing this morning when the request for the change was sent.

**From:** Diane McCoy - DNR [mailto:[diane.mccoy@state.co.us](mailto:diane.mccoy@state.co.us)]

**Sent:** Wednesday, May 10, 2017 3:27 PM

**To:** Green, Doreen <[Doreen.Green@anadarko.com](mailto:Doreen.Green@anadarko.com)>

**Cc:** Caravaggio, Alexander <[Alexander.Caravaggio@anadarko.com](mailto:Alexander.Caravaggio@anadarko.com)>;  
Light, Cheryl <[Cheryl.Light@anadarko.com](mailto:Cheryl.Light@anadarko.com)>

**Subject:** Re: P&A Request for KUGEL V 18-5 API#05-123-17258

We'd like to have a Form 6 Intent submitted and a day to process the form unless you are currently on the well with a rig and need the verbal.

Thanks,

Diane McCoy

Engineer

co\_dnr\_div\_ogcc\_300\_rgb\_ltrhd\_v3



1120 Lincoln Street, Suite 801, Denver, CO 80203

[303.894.2100](tel:303.894.2100) [x5114](tel:303.894.2114)

[Diane.McCoy@state.co.us](mailto:Diane.McCoy@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

On Wed, May 10, 2017 at 3:18 PM, Green, Doreen

<[Doreen.Green@anadarko.com](mailto:Doreen.Green@anadarko.com)> wrote:

Diane, we are asking approval through an email, but I can get the 6 submitted right now.

**From:** Diane McCoy - DNR [mailto:[diane.mccoy@state.co.us](mailto:diane.mccoy@state.co.us)]

**Sent:** Wednesday, May 10, 2017 3:16 PM

**To:** Caravaggio, Alexander <[Alexander.Caravaggio@anadarko.com](mailto:Alexander.Caravaggio@anadarko.com)>

**Cc:** Light, Cheryl <[Cheryl.Light@anadarko.com](mailto:Cheryl.Light@anadarko.com)>; Green, Doreen

<[Doreen.Green@anadarko.com](mailto:Doreen.Green@anadarko.com)>

**Subject:** Re: P&A Request for KUGEL V 18-5 API#05-123-17258

Alex,

Has a Form 6 been submitted and you are requesting expedited approval (if so please send document number) or are you asking for approval without the Form 6 and just through email?

Thanks,

Diane McCoy

Engineer

co\_dnr\_div\_ogcc\_300\_rgb\_ltrhd\_v3



1120 Lincoln Street, Suite 801, Denver, CO 80203

[303.894.2100](tel:303.894.2100) [x5114](tel:303.894.2114)

[Diane.McCoy@state.co.us](mailto:Diane.McCoy@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

On Wed, May 10, 2017 at 1:15 PM, Caravaggio, Alexander

<[Alexander.Caravaggio@anadarko.com](mailto:Alexander.Caravaggio@anadarko.com)> wrote:

Diane,

Please see the attached P&A procedure/WBD/Form 6 for the Kugel V 18-5 well. I certainly appreciate you working through these rush requests.

Looking forward to your response.

Regards,

Alex

**From:** Caravaggio, Alexander  
**Sent:** Wednesday, May 10, 2017 9:43 AM  
**To:** 'Diane McCoy - DNR' <[diane.mccoy@state.co.us](mailto:diane.mccoy@state.co.us)>  
**Cc:** Light, Cheryl <[Cheryl.Light@anadarko.com](mailto:Cheryl.Light@anadarko.com)>; Green, Doreen <[doreen.green@anadarko.com](mailto:doreen.green@anadarko.com)>  
**Subject:** P&A Request for KUGEL V 18-5 API#05-123-17258

Hi Diane,

We would like approval to change the event on this well from a bradenhead remediation to a P&A. This is mainly because of our lack of confidence in tools for 2-7/8" casing, especially the failure rates of 2-7/8" packers which this well requires.

I will have a procedure and WBD sent to you today, but just wanted to make you aware so we can expedite a Form 6. We are rigged up on this well right now, and are currently tripping out tubing.

Regards,

Alex Caravaggio  
Field Engineer  
Anadarko Petroleum Corporation  
501 N. Division Blvd.  
Platteville, CO 80651  
[213-880-8119](tel:213-880-8119)

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