



**Andrews, David**

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**From:** Andrews, David  
**Sent:** Friday, September 10, 2010 5:27 PM  
**To:** 'Mitchell, Heather R.'  
**Cc:** Yokley, Bill; Koehler, Bob  
**Subject:** RE: Divide Creek Unit #26 P&A Intent  
**Attachments:** 2054535.PDF

Heather,

The attached Form 6 is approved. **Please print a copy for your records. A hard copy will not follow.** I understand that BLM approved the proposed CIBP setting depth of 2500', and therefore, I left your procedure unchanged.

I processed the Form 6 with the GPS data as shown, based on EnCana's records that this well is 400+ feet southeast of DCU#2. However, I understand that EnCana intends to obtain new GPS data, which should be reported on Form 6 (Subsequent Report of Abandonment). I mentioned the significant difference in the existing GPS lat/long vs. the reported footages for this well to Bill Yokley (COGCC Permitting). Bill informed me that he would review the well file and contact you if a Form 4 (Sundry Notice, Change of Location) is required to correct COGCC's well file. If a Form 4 is required, then you should also report the new GPS data on that form.

To summarize your submittal for the work performed in 1994: a CIBP was set at 2880' with 2 sx cmt on top; 7" csg was perforated at 2483' and squeezed with 100 sx Class G cmt; new MVRD perms were shot from 2808'-2800' and 2738'-2712'; and the new perms were stimulated. I understand that you intend to submit a new Form 5A for this completion to my attention next week.

Thanks,

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

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**CC: COGCC Well File, API No. 05-077-08589**

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**From:** Andrews, David  
**Sent:** Thursday, September 09, 2010 4:08 PM  
**To:** 'Mitchell, Heather R.'  
**Subject:** RE: Divide Creek Unit #26 P&A Intent  
**Importance:** High

Heather,

You are showing a 7" casing TOC of 2914', but that does not represent the whole picture based on my review of this well file. After running the CBL on 9/26/1989 with a TOC of 2914', the following occurred:

- Bullheaded 200 sx Class G down 9 5/8" – 7" annulus on 9/26/1989. Presumably, this cement set up somewhere near the surface.
- 7" csg shoe drilled out. After leaving a fish in the hole, a sidetrack, and many sloughing problems, set retainer at 3005' and pumped 100 sx Class G through retainer and out the 7" csg on 10/22/1989.
- Squeeze holes were shot at 2904' - 2903' on 11/7/1989.
- First squeeze attempt on 11/8/1989; mixer broke down and 90 sx Class G assumed to have made it into the perfs.
- Second squeeze attempt on 11/9/1989; 90 sx Class G out perfs and 10 sx in csg, subsequently drilled out.
- Third squeeze attempt on 11/10/1989; 76 sx thixotropic cmt out perfs and 24 sx in csg, subsequently drilled out and pressure tested OK.
- MVRD completion perfed 2962'-2942' on 11/12/1989.

The following procedure was proposed via Sundry Notice, received by COGCC on 7/14/1993. COGCC has no records indicating that this work was performed, but based on your top MVRD perf of 2679' on Form 6, I suspect that some version of this procedure was implemented.

- Set CIBP at 2890' above existing perfs with 10' cmt on top of CIBP.
- Perf sqz holes at 2630' and sqz 100 sx cmt through retainer at 2550'; drill out retainer and cmt and pressure test.
- Perf MVRD 2845'-2679'.
- Flow test and stimulate.

I suspect that you may have a fairly continuous column of cement behind your 7" casing from 3030' to the casing leak at 2486'. However, I would like some documentation (drilling reports and/or work tickets) that describe the actual bridge plug depth and cement squeeze following the July 1993 Sundry Notice. COGCC also needs a Form 5A to document the upper MVRD perfs, stimulation, and testing information.

Did BLM approve the CIBP at 2500' (179' above the top MVRD perf)? It seems to me that they usually require the CIBP within 50' of the top perf. COGCC generally likes to see the CIBP within 100' of the top perf.

Please reply with the documentation requested above and any depth change for the lower CIBP at your earliest convenience, considering that you are in a rush for this approval.

Thanks,

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

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**From:** Mitchell, Heather R. [mailto:Heather.Mitchell@encana.com]  
**Sent:** Wednesday, September 08, 2010 4:28 PM  
**To:** Andrews, David  
**Subject:** Divide Creek Unit #26 P&A Intent

Dave:

Please find the attached P&A Intent for your approval. The procedure has been verbally approved by the BLM, however they are finishing up the paperwork with the Forest Service before sending us the final approved Sundry. I will forward that onto you as soon as I receive it ( I am told I should have it tomorrow). However, I wanted to get this intent to you as soon as possible, as we would like to conduct operations the week of September 13, 2010. The Forest Service would like Encana to complete the work before snow falls. Due to the elevation of the well, Encana needs to begin as soon as possible.

Please let me know if you have any questions or concerns.

Thank you!

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