

Chris Hohnstein

From: Renee Call
Sent: Monday, February 11, 2019 1:17 PM
To: Chris Hohnstein; Kevin Monaghan
Subject: FW: EXTERNAL: Re: NBL Modified Procedure: Guttersen State D16-63-1HN (35204)

From: Jacobson - DNR, Eric <eric.jacobson@state.co.us>
Sent: Monday, February 11, 2019 1:16 PM
To: Renee Call <Renee.Call@nblenergy.com>
Subject: EXTERNAL: Re: NBL Modified Procedure: Guttersen State D16-63-1HN (35204)

Approved as discussed.

Eric

On Mon, Feb 11, 2019 at 1:14 PM Renee Call <Renee.Call@nblenergy.com> wrote:

Eric,

After punching 8 holes at 600', we were unable to circulate down the casing or the annulus and pressured up to 1500 psi.

We will plan to cement from 1000' to surface in the 7" casing and place 10 sks cement in the annulus.

Kind regards,

Renee

From: Renee Call
Sent: Monday, February 11, 2019 10:08 AM
To: 'Jacobson - DNR, Eric' <eric.jacobson@state.co.us>
Subject: RE: EXTERNAL: Re: NBL Modified Procedure: Guttersen State D16-63-1HN (35204)

Hi Eric,

We will punch the 7" casing at 600' (in order to minimize risk to the surface casing) and plan to pump the surface plug from 1000' to surface in the 7" casing and from 600' to surface in the annulus.

Kind regards,

Renee

From: Jacobson - DNR, Eric <eric.jacobson@state.co.us>
Sent: Monday, February 4, 2019 11:29 AM
To: Renee Call <Renee.Call@nblenergy.com>
Subject: EXTERNAL: Re: NBL Modified Procedure: Guttersen State D16-63-1HN (35204)

Renee

I am good with not cutting the 7" casing. The base of the Fox Hills is at 519'. I propose the following, so there is wellbore to wellbore isolation..

Perf at 600' and pump 70 sacks leaving 40 sacks in the casing. This should be a plug from 600' to 400' inside and outside of the casing.

Pump 10 sacks at surface.

Let me know if this works, or you have a different plane.

Thanks Eric

On Mon, Feb 4, 2019 at 10:54 AM Renee Call <Renee.Call@nblenergy.com> wrote:

Hi Eric,

I know we discussed the other Gutteresen well, but I did not see a response on this one. Apologies if I missed an email, but can you please let me know if below is approved?

Thanks,

Renee

From: Renee Call
Sent: Thursday, January 31, 2019 3:12 PM
To: 'Jacobson - DNR, Eric' <eric.jacobson@state.co.us>
Subject: NBL Modified Procedure: Gutteresen State D16-63-1HN (35204)

Eric,

The procedure calls for cutting the 7" production casing, however we would like to leave this in place and pump the surface plug as a balance plug from 1000' to surface inside the 7" casing. Please let me know if this is OK from your side.

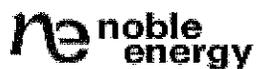
Kind regards,

Renee Call

Production Engineer

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