

## Powers, Ronett

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**From:** Schlagenhauf - DNR, Mark <mark.schlagenhauf@state.co.us>  
**Sent:** Tuesday, June 02, 2015 11:29 AM  
**To:** Richardson, Craig  
**Cc:** diana.burn@state.co.us; Lytle, Andy; Powers, Ronett; Honas, Kris  
**Subject:** Re: Viper Pyro 39N2-10HZ cement plug and sidetrack

Please proceed as proposed.

Thanks

Mark Schlagenhauf P.E.

Northeastern Engineer

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On Tue, Jun 2, 2015 at 11:21 AM, Richardson, Craig <[Craig.Richardson@anadarko.com](mailto:Craig.Richardson@anadarko.com)> wrote:

Mark,

Thank you for taking the time to speak with me this morning. As per our discussion, below is the sidetrack procedure. Please review and let me know if you need additional information.

Well name & API

- Viper Pyro 39N2-10HZ
- 0512341426

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#### Explanation of situation and why you need sidetrack

- Directional mud motor scribe line not correct due to mud motor connection making up down hole at motor bend. This caused the well to directionally build angle to the South instead of to the North West per plan. The inclination built up to 7.5 degrees in the wrong direction with 6 deg/100ft dogleg severity. To correct the well path a large “kink” in the wellpath would be required. This would cause significant issues for completions if a rod pump is every used. We will plug the well back with cement from total measured depth of 384 ft MD to ~40 ft from surface. We will then skid the rig and drill the remaining wells on the pad to allow cement to gain sufficient compressive strength. We will then skid the rig back onto the well and re-drill the Viper Pyro 39N2-10HZ well per originally permitted plan.

#### Total Measured Depth Reached

- 384 ft MD
- 383 ft TVD

#### Casing Sizes set and MD

- 16” conductor casing set at 60 ft

#### Description of fish

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- Not applicable

#### Type of cement

- Weight: 15.8 ppg
- Yield: 1.15 ft<sup>3</sup>/sk
- Sacks: 307

#### Measured Depth and TVD of sidetrack point

- 61 ft MD
- 61 ft TVD

#### Proposed target formation of sidetrack hole if different than permitted

- Same as permit

#### BHL of sidetrack hole

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- Same as permit

Wellbore diagram

- See attached

Technical Contact:

Kris Honas

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Thank you,

Craig

Craig Richardson

Regulatory Analyst - GWA

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