

STATE OF  
COLORADO

Sachen - DNR, Toby &lt;toby.sachen@state.co.us&gt;

---

**RE: Alles 22S-432, Lost Hole Rig Skid**

1 message

**Diana Burn - DNR** <diana.burn@state.co.us>

Fri, Mar 28, 2014 at 3:12 PM

To: Liz Lindow &lt;Liz.Lindow@pdce.com&gt;

Cc: Toby Sachen - DNR &lt;toby.sachen@state.co.us&gt;, Mike.Hickey@state.co.us, Jason Gomez - DNR &lt;jason.gomez@state.co.us&gt;, James Precup - DNR &lt;james.precup@state.co.us&gt;, Jane Stanczyk - DNR &lt;jane.stanczyk@state.co.us&gt;

Please proceed with the rig skid as proposed.

Thanks,

Diana

---

**From:** Liz Lindow [mailto:[Liz.Lindow@pdce.com](mailto:Liz.Lindow@pdce.com)]**Sent:** Friday, March 28, 2014 10:25 AM**To:** Diana Burn - DNR ([Diana.Burn@state.co.us](mailto:Diana.Burn@state.co.us))**Cc:** Carrie Ratliff; Jason Miller**Subject:** Alles 22S-432, Lost Hole Rig Skid**Importance:** High

Hello Diana,

Per our conversation this morning, here is the information the COGCC requires to approve the lost hole rig skid for the Alles 22S-432. Please let me know if there is anything else you require.

Thank you,  
Liz Lindow

-

**Alles 22S-432, API 05-123-37799, Lost Hole Rig Skid**

- i. Explanation of the situation that has resulted in a lost hole and the need to plug the lost hole

**Drill pipe was stuck in hole at 12,468. After unsuccessful attempts to recover drill pipe and BHA, with drill pipe parting at 7,062' it was determined that it was not economical to continue fishing operations, and the possibilities of recovering more drill pipe are less than**

**10% it was determined to P&A the well.**

- ii. Total measured depth reached in the lost hole

**TMD: 12,497'**

- iii. Casing set – size(s) and measured depth(s)

**Surface Casing, 9-5/8" 36#/ft J-55, set at 928"**

- iv. Description of fish in the hole (if any) – including top and bottom measured depths

**Top of Fish 7,062' bottom of fish 12,468**

- v. Description of proposed plugs: setting measured depths, heights, and cement volumes

**Set CIBP at +/-7050'**

**Run a CBL on 7" casing**

**Pressure test casing to 1500 psi**

**Set 2 sx cement on top of CIBP**

**RIH with drill pipe to 6,650'**

**Set 50sx balanced plug at Niobrara top 6,650' to 6,300'**

**Pull drill pipe to 4,400'**

**Set 150 sx plug across Sussex 4,400' to 3,600'**

**Pull drill pipe to 1,043'**

**Set 50 sx plug from 1,043' to 843'**

**Pull drill pipe**

**Pump 10 sx plug at surface**

**Cut casing off 6' below surface**

- vi. Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk)

**Cement will be Class G cement with appropriate additives mixed at 15.8 ppg with a 1.15 cu.ft./sx yield**

- vii. Proposed objective formation(s) for replacement well – new or same as lost hole

**Niobrara**

- viii. BHL target for replacement well – new or same as lost hole

**Same as lost hole**



Liz Lindow

Regulatory Analyst (Progressive Consulting)

Consultant to PDC Energy, [www.progressivepcs.net](http://www.progressivepcs.net)

PDC Energy, Inc., 1775 Sherman Street, Suite 3000, Denver, CO 80203

Office: [303-831-3974](tel:303-831-3974) | Fax: [303-860-5838](tel:303-860-5838) | [liz.lindow@pdce.com](mailto:liz.lindow@pdce.com)