

**From:** Diana Burn - DNR <[diana.burn@state.co.us](mailto:diana.burn@state.co.us)>  
**Sent:** Thursday, September 29, 2022 11:52 AM  
**To:** Trevor Smith <[trevor.smith@iptwell.com](mailto:trevor.smith@iptwell.com)>; Eden Espino-Rodriguez - DNR <[eden.espino-rodriguez@state.co.us](mailto:eden.espino-rodriguez@state.co.us)>  
**Cc:** Siji Chaparro <[siji.chaparro@iptwell.com](mailto:siji.chaparro@iptwell.com)>; Jeff Overman <[joverman@bayswater.us](mailto:joverman@bayswater.us)>; Lauren Walsh <[lwalsh@bayswater.us](mailto:lwalsh@bayswater.us)>; Steve Jenkins - DNR <[steve.jenkins@state.co.us](mailto:steve.jenkins@state.co.us)>; Sam Champlin - DNR <[sam.champlin@state.co.us](mailto:sam.champlin@state.co.us)>; Garrison, Penny <[penny.garrison@state.co.us](mailto:penny.garrison@state.co.us)>  
**Subject:** RE: Lost Hole Rig Skid Notice: 05-123-51750 - Ruby West #9

Please proceed as proposed, notifying Sam Champlin when the APD is submitted.

Thanks,  
Diana

**From:** Trevor Smith <[trevor.smith@iptwell.com](mailto:trevor.smith@iptwell.com)>  
**Sent:** Wednesday, September 28, 2022 1:51 PM  
**To:** Diana Burn - DNR <[diana.burn@state.co.us](mailto:diana.burn@state.co.us)>; Eden Espino-Rodriguez - DNR <[eden.espino-rodriguez@state.co.us](mailto:eden.espino-rodriguez@state.co.us)>  
**Cc:** Siji Chaparro <[siji.chaparro@iptwell.com](mailto:siji.chaparro@iptwell.com)>; Jeff Overman <[joverman@bayswater.us](mailto:joverman@bayswater.us)>; Lauren Walsh <[lwalsh@bayswater.us](mailto:lwalsh@bayswater.us)>  
**Subject:** Lost Hole Rig Skid Notice: 05-123-51750 - Ruby West #9

Diana,

Following our conversation earlier today, Bayswater E&P will plan to submit a plug back and skid notice on the Ruby West 9 well (05-123-51750) and seeks initial approval given the information below.

COGCC approval is required prior to drilling any well (Rule 303.a.(1)) and prior to plugging any well (Rule 311 and Rule 319.a.(6)). The operator must obtain verbal approval from an authorized COGCC representative prior to plugging a lost hole, skidding the rig, and spudding an unplanned replacement well. The operator must submit required forms and data after the operations have started.

1. OPERATOR

- a. Contact (by phone & email) COGCC Engineering to request approval to plug a lost hole, skid the rig, and drill an unplanned well as a replacement

Eastern Region Engineering Supervisor = Diana Burn 303-918-6320  
([diana.burn@state.co.us](mailto:diana.burn@state.co.us))

- b. Provide all of the following information by email to the appropriate COGCC Engineer shown above in Step 1.a.

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

**We drilled the Ruby West #9 well following our original plan and reached a total depth of 17,820' MD on 9/6/22. After standard hole cleaning procedures and ensuring the shakers were clean of excess debris and cuttings, we began tripping out of the hole to run our 5-1/2" production string. The first portion of the trip went fine until the driller pulled into a tight spot around 4,350' bit depth. We made several attempts at trying to clean the hole of debris, rotating out of the tight spot, and jarring the BHA loose, but were unable to recover the BHA at this depth. The decision was made to run in with wireline, find a free point and try to fish as much of the drill string as possible. We**

were able to recover all of the 5" drillpipe, but two joints of heavy-weight drillpipe and the entirety of the BHA were left as a fish in the hole. We later attempted to open up the original hole from 8-1/2" to 8-3/4" to the top of the fish and run in with a wash pipe assembly to wash over the original fish and were unable to get through the surface casing/open hole leaving another fish in the hole. IPT/Bayswater plans to plug back the current well with three (3) balanced solution plugs, create a new APD with a new surface hole and drill the new hole using the existing APD's LP and BHL footages.

Total measured depth reached in the lost hole

**17,820 ft**

Casing set – size(s) and measured depth(s)

**This is a planned monobore so no liner or production casing has been run yet. Surface casing is set at 1,563 ft.**

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

**Total Length of Fish = 158'**

**Top of Fish @ 1,527' MD**

**Bottom of Fish @ 1,685' MD**

**Fish:**

**Five (5) joints of wash pipe (7-7/8" ID)  
Guide shoe**

**Total Length of Fish = 183'**

**Top of Fish @ 4,175' MD**

**Bottom of Fish @ 4,348' MD**

**Fish:**

**Two (2) joints of HWDP (5" x 3" ID)  
BHA (including bit, 7" motor, Baker AutoTrack rotary steerable assembly,  
collars, stabilizers and MWD components)**

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

**Three plugs are being proposed to abandon the wellbore:**

**Top of Fish at 4,175' up 500' @ 225 sx total (25% excess)  
Across surface casing @ 1,613' @ 200 sx total (25% excess)  
10 sx at surface and in cellar**

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

**15.8 ppg, 1.15 cuft/sx yield Class G cement**

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

**Same as existing Ruby West 9 well (Niobrara formation)**

BHL target for replacement well – new or same as lost hole (NOTE: a change in the BHL must be reviewed and approved by COGCC Permitting prior to completing the replacement well. Drilling a well to an unapproved BHL could result in an NOAV, plugging the well, or both).

**BHL of the sidetrack will be roughly the same. Original plan was 1691 ft FSL and the sidetrack plan will be roughly 1676 ft FSL of Sec. 11 T7N R65W (15-20' to the south). Both are 470 ft FWL of the section. The new directional plan showing the sidetrack and the original plan will be sent with the new Form 2.**

**Upon verbal approval of this notice, we will submit a new APD under the name Ruby West 9R/9Redrill and will follow up with the subsequent Form 5 and Form 6 for plugging the original hole.**

Thanks,

**Trevor Smith**

*Drilling Engineer*

O: 720-420-5749 | M: 720-335-9045

[trevor.smith@iptwell.com](mailto:trevor.smith@iptwell.com)



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