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State of Colorado  
Oil and Gas Conservation Commission

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COGCC

## WELL CONTROL REPORT

As Required by Rule 327

1. OGCC Operator Number: <u>10150</u>	4. Contact Name & Phone: <u>Jessica Donahue</u>	Report taken by: <u>DAVE ANDREWS</u>
2. Name of Operator: <u>Black Hills Plateau Production</u>	Ph: <u>720-210-1333</u>	
3. Address: <u>1515 Wynkoop St., Suite 500</u>	Email: <u>Jessica.Donahue@blackhillscorp.com</u>	
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>		

## WELL LOCATION INFORMATION

5. API Number: <u>05-077-10204</u>	6. County: <u>Mesa</u>
7. Well Name: <u>WhF</u>	8. Well Number: <u>DHS3C-20 D17998</u>
9. Unit Name (if appl.): <u>Whittaker Flats</u>	10. Unit No: <u>COC075609X</u>
11. QtrQtr: <u>NWNW</u> Sec: <u>17</u> Twn: <u>9S</u> Rng: <u>98W</u> Meridian: <u>6 PM</u>	
12. Footage From Exterior Section Lines: <u>958 FNL 827 FWL</u>	
13. Field Name: <u>Bronco Flats</u>	14. Field Number: <u>7563</u>

## CASING INFORMATION

15. Surface Casing Size: <u>10 3/4" /</u> Weight per Foot: <u>40.5</u> Grade: <u>K55</u> True Vertical Setting Depth: <u>994'</u>	
16. Intermed. Casing Size: <u>7 5/8" /</u> Weight per Foot: <u>26.4</u> Grade: <u>HCP-110</u> True Vertical Setting Depth: <u>5355'</u>	

## KICK INFORMATION

17. True Vertical Depth at Kick: <u>6062'</u>	
18. Formation at Kick: <u>Niobrara</u>	19. Formation Code: <u>NBRR</u>
20. Shut-in Drill Pipe Pressure (SIDPP): <u>500</u> psi	21. Shut-in Casing Pressure (SICP): <u>250</u> psi
22. Mud weight at Time of Kick: <u>9.5</u> ppg	23. Pit Gain: <u>15</u> bbls
24. Time and Date Shut In: <u>20:00 5/10/13</u>	25. Mud Weight Required to Control Well: <u>11.1</u> ppg
26. Type of Kick: <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Water	
27. Comments (describe actions to control in detail):	

Drilling 6 3/4" hole, building curve at 6604' MD (6062' TVD) with 9.5 ppg water based mud in hole. Torque and P rate indicated possibly drilled across fracture. Took 15 bbl pit gain. Shut well in. Had 250 psi SICP and 500 psi SIDPP. Weighted up active system to 11.1 ppg and killed well using wait and weight method. From time well shut in to back on bottom drilling was about 7 hours.