



State of Colorado Oil and Gas Conservation Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax:(303)894-2109

FOR OGCC USE ONLY

RECEIVED JUL 11 2013 COGCC

WELL CONTROL REPORT

As Required by Rule 327

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

WELL LOCATION INFORMATION

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

CASING INFORMATION

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

KICK INFORMATION

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

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.