

ATTACHMENT R-6

Department of Environment and Natural Resources
Minerals and Mining Program
523 East Capitol
Pierre, South Dakota 57501-3182
Telephone (605) 773-4201

Rapid City Office
2050 West Main Street, Suite No 1
Rapid City, South Dakota, 57702-2493
Telephone (605) 394-2229

WELL PLUGGING INSPECTION REPORT

EXNI No 404 Inspection Date 4/17/08 Time In NA Time Out NA

Inspector Mark Keenihan

Operator Powertech

Mineral(s) to be Explored Uranium

Drill Hole Location Information County Fall River Section 11 T 7S R 1E

GPS Coordinates 43 454482N -103 968553W Other _____

Drill Hole Information Drill Hole DB07-11-16C Depth 550 ft Diameter 6.50 in Volume 127 cf

Flowing Artesian _____ Flow Rate _____ Confined Aquifer _____ Water Level _____

Dry _____ Other 4 inch PVC casing installed on 11/18/07

Well Plugging Information

Persons Performing the Plugging Davis Drilling

License Number _____

Plugging Method

Tremmie pipe cement Tremmie pipe bentonite Coarse bentonite/bentonite chips

Other _____

Water Source for Bentonite/Cement Powertech Monitoring Well DB08-32-11

pH of Water Used for Plugging Material _____ Total Plug Depth 550 ft

Type of Bentonite/Cement Used Type V "LA" Portland Cement GCC

Bags of Bentonite/Cement Used 38 Bentonite/Cement to Water Ratio 7.2 to 1

Drill Fluid Viscosity NA Bentonite Grout Viscosity NA

Amount and Type of Weighting Material Used NA

Bridging/Collapsed Material in Drill Hole No - plugged with cement grout to the surface

Type of Non-Slip Plug Used NA

Have Mud Pits been Backfilled and Reclaimed Mud pit backfilled, still needs to be seeded

Additional Information

This hole was converted to a well with PVC casing to 590 feet on 11/18/07. During the well screen installation on 2/19/08, the hard cement level was determined to be from 550 feet to 700 feet, which is the depth of the hole. However, when the drillers started drilling cement out of the casing at the 550 foot level, black cuttings were noted. It was determined that the well casing failed, and Powertech decided to abandon the well. The well was plugged with cement grout to the surface. DENR personnel did not witness the plugging of the failed well, and Powertech provided the well plugging information. The plugging cement grout was 38 sacks (94lbs) of cement and 5.3 barrels of water for a ratio of 7.2 to 1.

Inspector Mark Keenihan, M.E.

Date 4/17/08