

[illegible]

# SOIL BORING LOG

**050-C**

PROJECT NUMBER <b>3470-001 (15)</b>	SOIL LOGGED BY <b>Paul Stone</b>	SCREEN TYPE AND SLOT SIZE <b>PVC 0.010"</b>	BORING NUMBER <b>050-C</b>
CLIENT <b>Wellington Water Works</b>	DATE STARTED <b>01/17/06</b>	SAND SIZE <b>10/20</b>	HOLLOW STEM AUGER INSIDE DIAMETER <b>4.25" RECEIVED</b>
DRILLING COMPANY <b>Spectrum Exploration, Inc.</b>	DATE COMPLETED <b>01/18/06</b>	RISER TYPE AND SIZE <b>PVC 2-inch</b>	BOREHOLE DIAMETER <b>8 inches</b>
DRILLING RIG TYPE <b>CME 75</b>	TOTAL DRILLED DEPTH <b>~ 85 ft. bgs</b>	INITIAL GROUNDWATER DEPTH <b>45.5 ft. bgs</b>	SAMPLING METHOD <b>Cuttings</b>
DRILLER(S) <b>Todd and Terry</b>	CONVERTED TO MONITORING WELL (Y/N) <b>Yes</b>	GROUND ELEVATION (top of casing) <b>~ 5322 ft amsl</b>	
		RELATIVE LOCATION OF BORING <b>See Sketch Below</b>	

DEPTH (FT)	SAMPLES LAB ANALYZED	RECOVERY (INCHES)	HEADSPACE PID TESTING (PPM)				WELL GRAPHIC	SOIL GRAPHIC LOG	GEOLOGIC DESCRIPTION
			VALUE	0	10	100			
0									Top Soil, tilled earth
									Red-Brown Sand and Gravel, coarse sand and pea gravel, poorly sorted, dry
									Same as above, with minor gravel to 2", loose, dry
-10									Red-Brown Sand and Gravel, coarse sand and pea gravel, poorly sorted, dry
									Fining downward
									Red-Brown silty SAND, minor gravel, loose, very slightly moist
-20									Same as above
									Same as above
									Grain size coarsens
-30									Red-Brown Sand and Gravel, coarse sand and pea gravel, poorly sorted, dry
									Same as above, small signs of water, center bit drops
-40									Same as above, wet at base of 45' run
									Red-Brown Sand and Gravel, interbedded clay lenses, wet
-50									Same as above
									Red-Brown Sand and Gravel?, no return of cuttings
-60									↓ Continued ↓

01/23/06  
01/17/06



**STEWART ENVIRONMENTAL CONSULTANTS, INC.**  
Consulting Engineers and Scientists

PROJECT <b>Wellington Water Works</b>	COUNTY <b>Larimer</b>	BORING NUMBER <b>050-C</b>
ADDRESS <b>3218 East CR 70</b>	CITY/STATE <b>Wellington, Colorado</b>	PAGE OF <b>1 2</b>

**050-C**

~ 85.5 ft. bqs

FEB 06 2006

## GEOLOGIC DESCRIPTION

NEW YORK

*Depths referenced to surface grade*

Same as above?, no return of cuttings

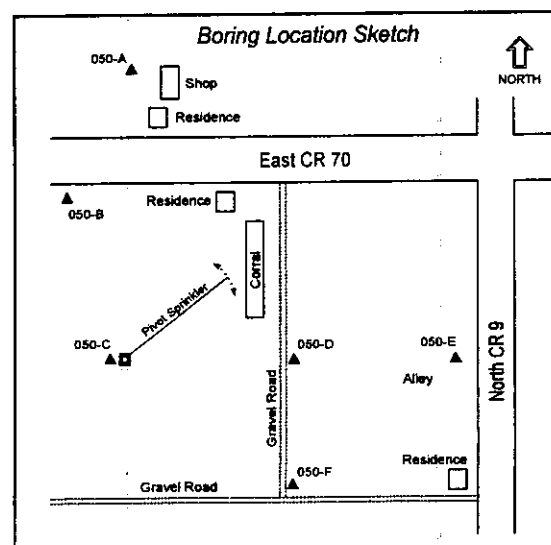
Same as above?, auger chatters heavily as if Cobbles, no return of cuttings

*Red-Brown Sand and Gravel?, no return of cuttings*

Same as above?, Sand and Gravel?, no return of cuttings

Same as above, tag top of bedrock at 85'

T.D. at 85.5' -gray weathered sandy SHALE, Pierre Shale



**Consulting Engineers and Scientists**

## Wellington Water Works

3218 East CR 70

Larimer

*Wellington, Colorado*

050-C

2 2

# STATE OF COLORADO

## OFFICE OF THE STATE ENGINEER

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Department of Natural Resources

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Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

February 13, 2006

Wellington Water Works, LLC  
C/O Stewart Environmental Consultants, Inc  
3801 Automation Way  
Suite 200  
Fort Collins, CO 80525

**Re: Receipt Number 3600227A-F**

Dear Applicant:

Your applications to use existing monitoring wells are being returned for the reasons as stated below. **Any changes made to the application should be initialed and dated in the adjoining margins, then the application returned to this office for completion of the evaluation.**

The notice of intent, 45868-MH, was issued for the NE1/4 of the NE1/4 of section 17, T9N, R68W. None of the applications are located within that quarter-quarter. Please review your distances from section lines and revise as necessary. If the distances from section lines are correct, please include a letter explaining why the monitoring wells were constructed in locations other than what was approved under 45868-MH.

Please make any changes on the well construction logs as well.

Once you have obtained the requested information please return it and the original application to this office.

If you have any questions, please contact me at 303-866-3581 x 8258.

**IMPORTANT NOTICE! PLEASE BE ADVISED THAT THE AFOREMENTIONED CRITERIA MUST BE ADDRESSED AND RECEIVED BY THIS OFFICE BY APRIL 13, 2006 TO RETAIN ACTIVE STATUS OF THE GROUND WATER WELL PERMIT APPLICATION. INFORMATION SUBMITTED AFTER THAT DATE WILL REQUIRE A NEW GROUND WATER WELL PERMIT APPLICATION AND WILL BE ASSESSED THE APPROPRIATE FEE.**

Sincerely,

Clay Kimmi  
Water Resource Specialist