

FILE THIS AS A PLUGGING REPORT LOG FOR TOWN OF FERNLEY  
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Log No: 89555  
Permit No:  
Basin 070

**WELSCO CORP.**

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DECEMBER 30, 2002

KEN STINE  
PUBLIC HEALTH ENVIRONMENTALIST  
WASHOE COUNTY HEALTH DEPARTMENT  
1001 EAST NINTH STREET  
RENO, NV 89512

RE:TOWN OF FERNLEY WELL ABANDONMENT

DEAR MR. STINE;

HOLE WAS ORIGINALLY DRILLED & CASED TO 1075 FEET.  
DURING THE WELL DEVELOPMENT PHASE THE DRILLER REPORTED PRODUCING GRAVEL PACK MATERIAL @ 620'+/-. A VIDEO SHOWED A SCREEN HAD FAILED AT THE 630' +/- LEVEL, RESULTING IN A 6' TO 9' BREACH IN THE CASING STRING. AFTER DISCUSSING ANY AND ALL-POSSIBLE SOLUTIONS, WELSCO ATTEMPTED TO SPOT A CEMENT PLUG AT THE BREECH LEVEL TO STRADDLE THE VOID. AN ATTEMPT WAS THEN MADE TO DRILL OUT THE SEALING CEMENT AND CONTINUE DOWN HOLE. ANOTHER VIDEO WAS TAKEN AND REVEALED THAT THE DRILLING TOOLS HAD EXITED THE WELL SCREEN, RESULTING IN A LOSS OF ALL DOWN HOLE INFORMATION. A REPLACEMENT HOLE WAS INSTALLED AT WELSCO'S EXPENSE.

WELL ABANDONMENT PROCEEDED AS FOLLOWS: A DRILTECH DH II WAS MOBBED TO THE SITE AND WAS ABLE TO PULL THE EXISTING CASING FREE. A TREMMIE PIPE WAS INSTALLED AND AFTER PUMPING APPROXIMATELY 2 YARDS THE TREMMIE FAILED, CASING WAS PULLED APPROXIMATELY 120' TO AVOID BEING CEMENTED. A CREW WAS SENT TO FALLON TO RETRIEVE ANOTHER TREMMIE STRING WHICH WAS SENT DOWN HOLE AND GROUT WAS PUMPED UNTIL VISIBLE, APPROXIMATELY 7 YARDS. WHEN CASING EXTRACTION WAS ATTEMPTED, IT COULD NOT BE MOVED. GROUT WAS TEN FEET DOWN HOLE, A TOP JOB WAS COMPLETED LEAVING GROUT AT SURFACE LEVEL.

SINCERELY,

JIM BIFFLE # 772

CC: TOM GALLAGHER, P.E.  
NEVADA WATER RESOURCES