



WELDED TUFF: LT GRY-PL YEL; LT GRN; LT GRY BLADED-ACIC XTLLN SHARDS IN ASH GRNDMASS; OCC PUMICE; INTERBED W/XTLLN TUFF: GRY-WHT; PHENOXTS OF SUBHED FLAG; RR CALCITE, TR WK CHLOR.

WELDED TUFF: LT GRY-PL YEL; LT GRN GRY; LT GRY XTLL SHARDS IN ASH GRNDMASS; ABD BLADED-ACIC XTLLS; FN ELONGATED <1MM PUMICE GRNS; PHENOXTS SUBHED FLAG; TR CALC; TR HEMTT & WK CHLOR ALT; EUHED-SUBHED PYRITE XTLLS <0.2MM

NOTE: DRILL T/3737'; POH; L/D DIR TOOLS; M/U RRB #7 (HTC, GX-2250X) & 12.25" HOLE OPENER; OPEN HOLE FROM 3109' TO 3539'; POH; L/D OPENER: P/U RRB #8; DRILL AHEAD W/STRAIGHT DRILLING ASSEMBLY.

MW 9.2 VIS 67 PV 22 YP 33 WL 12 PH 9.0 SAL 100 PPM CL-

DRILL 8.5" HOLE T/3796'; OPEN T/12.25" HOLE T/3659'; DRILL T/3815' CSG PT; POH; D.C. TWISTED OFF DURG TRIP; P/U FISHG TOOLS; RETRIEVE FISH; RUN HALLIBURTON E-LOGS; SET 9.625" CSG @ 3797'; RUN CBL; P/U 5" DP; RIH & DRILL AHEAD.

ASH TUFF: LT-V PL GRN; LSELY CONSOL; DIS-AGGREG T/FN ASH; RR DK LITHIC & LT YELLOW INCL; SCAT TR REDSH-PURPLE LITHIC TUFF <<1%; V CALC; TUFFACEOUS SEDMTS IP; V RR LAMINAR BEDDED TUFFACS MUDSTNS; COM SLICKS @3850-3860' W/FE OXIDE STNG; INCRSD GRYSH HUES @3860'; FM CHNG T/WHT & RED-PRPL MOTTLED RHYOLITE >3865'; RR EUHD PYRITE CLUSTERS @3870'; WK CHLOR ALT.

ASH-XTL TUFF: INITIALLY WHT-SLI PINK & MNR GRN HUES; LT COLORED ASHY-APHANITIC GRNDMASS; PORPH W/FSPAR, MAGNETITE & RR MUSCVT; MOTTLED RED ORNG COLOR CHNG >3915'; CTGS W/UNIF BLEACHED PL ORNGSH PINK COLOR; ABUND EUHED PYRITE XTLLS & CLUSTERS (1-3MM); INCRSD avg ctg size; BTRC CALC; FE OXIDATION STNG AND VERY RARE SPECULAR HEMATITE.

NOTE: WATER-LAID TUFF; INTBD W/ABD WELDED TUFF BEDS; LOC BRECCIATED; RR SEDMTRY TUFFCS BDS; SLT CALC; COM-ABD EUHED PYRITE; RR CHLOR, RR HEMTT.

ASH TUFF: WHT, LT GRY, SL PNK, PL HUES OF ORNG; AMOR TXT; SL CALC OVERALL; TR PL GRN COMM EUHED PYRITE; COM DISSEMINATED AGGREGATE PYRITE; TR ANHD QTZ; RR HEMATITE STAINING;

ASH TUFF: WHT, LT ORNG PNK, MOD YEL, OCC MOD RD; 1-3MM CTNGS; OCC WAXY LSTR; SL CALC OVERALL; DISSEMINATED PYRITE; DEC FREE EUHED PYRITE XTLLS AFTER 3990'; TR FREE CALCITE AFTER 4000'; RR FE STNG.