

SHALE: DK BRN TO BRNSH-BLK W/ MINOR M BRN, MOD HD AND MOD TO HIGHLY FIS W/ GD TR BLKY, ABUN MICA HIGHLY MICROCARB, RARE TO GD TR V F TO C SLTY TO V F SNDY, GD TR V F SST AND COAL MICROBEDS, NON-CALC. CRUSH CUTS CLR W/ MOD BRT, MOD INTENSE, M YEL FLUOR LEAVING A NUANCE OF LT BRN DES RNG OF V BRT CANARY YEL FLUOR.

SLTST: V MINOR AS LT TO DK BRN, MOD SFT, MOD CLYEY TO V F SNDY, DOM ABUN MICROCARB, GD TR TO ABUN MICA, RARE PY, NON-CALC, CRUSH CUTS CLR W/ LT YEL FLUOR AND CLR DES RNG OF MOD BRT, LT YEL FLUOR.

COAL: BIT, DOM BLK W/ OCC V DK BRN, MOD HD, DNSE, V BRIT, CONCH AND LAMELLAR FRAC, HIGH LSTR, TR PY. CRUSH CUTS CLR W/ EXTR BRT AND INTENSE, PRLY TRANSP, M YEL FLUOR LEAVING A NUANCE OF LT BRN DES RNG OF EXTR BRT CANARY YEL FLUOR.

RD-TAN, V HD, MICROXTLN DOL BETWEEN 2204-07M.

2212-2355M

SHALE; VAR M TO DK BRN, OFTEN AS "VARVE-TYPE" INTEREDS IN V F SST, MOD HD, PRLY TO HIGHLY FIS, ESP AS INTERBEDDED (VARVE-TYPE) W/ BIT COAL. NONCALC, DOM EXTR CLYEY W/ GD TR TO ABUN SLTY AND SNDY, EXTR ABUN TO GD TR DISSEM TO LAYERED BLK TO BRNSH-BLK MICROCARB, GD TR TO ABUN MICA (MUSC), RARE V F MICROPY. CLR CRUSH CUTS OF MOD BRT AND INTENSE, HIGHLY TRANSP M LT TO LT GOLDEN YEL FLUOR LEAVING EXTR LT BRN DES RNG OF V BRT GOLDEN YEL FLUOR.

SST: LT TAN TO LT BRN W/ ABUN LT TO DK CRMY-TAN, V F TO F GR, ANG, MOD W TO MOD PRLY SORT, FRI, FRSTED TO MINOR CLR QTZ W/ MINOR FELD AND ABUN TO RARE MICA (MUSC), TAN CLY MTX, TR DISSEM V F MICROPY, RARE MAFICS, ABUN FRAGS W/ VARVE-TYPE SH AND BIT INTERBEDS, NONCALC. VIS POR 10-30%, EVEN TO SPOTTY EXTR LT BRN RESID OIL STN OF DULL YEL-BRN FLUOR W/ CLR CRUSH CUTS OF MOD BRT AND INTENSE, HIGHLY TRANSP, LT YEL FLUOR LEAVING A NUANCE OF LT BRN DES RNG OF LT GOLDEN-YEL FLUOR.

COAL: BIT, BLK W/ HIGH, GLOSSY TO RARE SUB-METALLIC LSTR, MOD HD, V DNSE AND BRTL W/ DOM CONCH AND MINOR LAMELLAR FRAC, RARE PY "STREAKS". CLR CRUSH CUTS W/ EXTR BRT AND INTENSE, MOD TRANSP, M GOLDEN-YEL FLUOR LEAVING AN EXTR LT BRN DES RNG OF EXTR BRT GOLDEN YEL FLUOR.

SLTST: V MINOR AS LT TO DK BRN, MOD SFT, DOM V CLYEY TO MINOR V F SNDY, GD TR TO EXTR ABUN BLK MICROCARB, RARE TO V ABUN MICA (MUSC), RARE TO TR V F MICROPY, NONCALC. CRUSH CUTS CLR W/ V LT YEL FLUOR AND CLR DES RNG OF MOD BRT, LT YEL FLUOR.

LMST: MOTTLED LT TAN TO M BRN, V F MICROXTLN, MOD TO EXTR HD, DNSE AND BRTL, RARE SLTY. VIS POR TO 10% - INTERGRAN. MOD BRT GOLDEN - YEL MIN FLUOR W/ CLR CRUSH CUT OF MOD BRT AND INTENSE, HIGHLY TRANSP, CANARY YEL FLUOR LEAVING A CLR DES RNG OF V BRT, LT CANARY YEL FLUOR.

LT TO DK RD-BRN, V HD, DNSE AND BRIT MICROXTLN DOL BETWEEN 2261-64M.

2355-2413M

SHALE: DK BRN TO BRNSH-BLK, MOD HD AND DOM MOD FIS, OCC SPLINTERY, NONCALC, V CLYEY AND PRLY TO EXTR MICROCARB W/ ABUN LT TAN V F VARVE-TYPE MICROBEDS AND RARE V F COAL FRAGS, DOM CLYEY W/ ABUN C SLT AND V F SND. CRUSH CUTS CLR W/ MOD BRT AND INTENSE, HIGHLY TRANSP LT YEL FLUOR LEAVING A CLR DES RNG OF BRT LT YEL FLUOR.