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SHOW SUMMARY

BACKGROUND GAS INCREASED SUBSTANTIALLY BELOW 2690 M KB AND REMAINED HIGHER THAN PREVIOUSLY RECORDED. SEVERAL GAS PEAKS OVER 100 UNITS OCCURRED (SEE COMMENTS) GENERALLY ASSOC WITH COALS WITH GASES FROM C1-C5. 2694-2788.5 HAD TR TO 2% (2766-69M) FLUOR IN TOTAL SAMPLES THROUGHOUT SECTION. FLUOR OCCURRED IN SST: VIS POR GEN 10-15%, LOCALLY 5 AND UP TO 25%, PATCHY TO EVEN LT STRW STN, DL TO DOM BRT YEL-WH FLUOR, GOOD INST AND STRMG MLKY BRT YEL-BL-WH CUT FLUOR - CLR TO PL STRW, GEN BRT TO V BRT C CUT FLUOR - CLR TO PL STRW AND CLR TO STRW. DES RNG WITH FNT TO BRT YEL-BLU-WH FLUOR. STAIN AND FLUOR CHARACTER INDICATES CONDENSATE CHARGED SST. LCK OF ABUN FLUOR FRAG PROBABLY INDICATES THIN SST LAM PREFERENTIALLY CHARGED WHERE POROSITY DEVELOPED - ALTERNATIVELY, HIGHER POROSITY, LSE SANDS COULD BE FLUSHED.

LITHOLOGY SUMMARY

2679 - 2788.7M (8789-9149FT)

INTERVAL CONSISTS OF I/B SANDSTONES, CLAYSTONES, COAL AND MINOR SILTSTONE. INTERBEDDING ON VARIOUS SCALES, INCLUDING IN PLACES MICROLAMINATED SANDSTONE/CLAYSTONE SLTST ONLY AS GRAD FROM SST, CLYST.

SST:EXISTS MOSTLY AS GRAIN AGGREGATES OF VARIOUS GRAIN SIZES, PROBABLY FINELY INTERLAMINATED. LOOSE GRAINS GENERALLY MOD ABUN INCR SLI AT 2784M SAND

(I) LSE GRNS: VF-C DOM F-M GR, ANG GRNS SHOWING ABUN SILICA OVERGROWTHS, MOD WEL SRT. INFERRED POROSITY VAR POOR-HIGH DEPENDING ON DEGREE OVERGROWTHS DEVELOP.

(II) AGGREGATE GRAINS VF-M GR DOM F GR AND IN PT GRDG TO SLTST: SUBANG-SUBRND, DOM MOD OCC WELL SRT, FRI-HD DOM MOD HD:
- TR-20% MATRIX DOM WH CLY. TR-LOC ABUN ORGANIC MATRIX INCLUDING RESIN AND MICROLAM OF BLK COALY MATERIAL.
- 10-20% OCC 25% CMT DOM WH CLY BUT IN PART DOM LT YELL-BR DOLOMITIC, OR CLR-TRANS SILICIC WITH OVERGROWTHS.
- NIL-FAIR (0-15%) VIS POR DOM POOR (5-10%)
- TR-1% OCC 2% BULK SAMPLE SHOWS PATCHY - EVEN LT STRW STN AND ASSOC CONDENSATE FLUOR AND CUT (SEE SHOW SUMMARY ABOVE).

CLYST: IN PT FINELY INTERLAMINATED WITH SANDSTONE DRLG DISP, VAR SLTY AND IN PT GRDS TO SLTST WITH TR-V ABUN BLK COALY MATERIAL AS F GR FLECKS, WISPS, MICROLAM AND PARTINGS. GEN GIVE FAINT CC FLUOR ASSOC WITH COALY MATERIAL.

COAL: BITUMINOUS GRD, TR, RARELY MOD ABUN, RESIN SHOWING BRILLIANT WH TO YELL-WH FLUOR AND GOOD BRT YELL-WH CUT FLUOR. LT STRW CUT AND LT BRN DES RNG WITH PL ORNG-YELL FLUOR.

SLTST: PROBABLY ONLY AS GRAD FROM SST AND CLYST. DRLG DISP, TR-ABUN BLK COALY FLECKS, MICROLAM.