ABSTRACT

CHARACTERISTIC OF HORIZONTALLY SPREAD OF COAL LAYER
BASED ON CORRELATION OF WELL LOGGING DATA IN
EXPROLATION AREA PT. WAHANA BARATAMA MINING,
SUBDISTRICT OF SATUI AND KINTAP, REGENCY OF TANAH
BUMBU AND TANAH LAUT, SOUTH BORNEO

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Data result from well logging measuring from each drill hole has its accuration to determines the thickness and the depth of a certain layer under the surface. Correlation of well logging data result from each drill hole measuring will take to knowing horizontally spread of coal layer.

This act of determining of horizontally spread of coal layer in this research uses drill data and well logging data. Drill data is supporting data in additional description and well logging data is used to determine the thickness and the depth of rock is layer. Well logging measuring uses FDGC probe which contains of gamma ray log and desity log. Correlation line contains of four lines (9 well logs) which its direction are west – earth and north – south.

Under the surface litology generally contains of claystone, mudstone, sandstone, coal. Coal seam characteristic devided to S1, S2, S3, S4, S5, S6, S7, S8, SM1, SM2, SL1, SL2, SL3, SL4, SB. The spread of coal in research area generally has the same thickness, while declivity direction of coal layer shows the differences, those are west – east 3.3° to horinzontally sector amd north – south is 4.12° to horizontally sector.

Keywords : Well Logging, Gamma Ray Log, Density Log, Seam