

ABSTRACT

Chevron Indonesia Company, the oil and gas company owned by America operating in East Kalimantan, implement project management in its projects. This multinational company consist of nine offshore locations and some onshore locations that serve as processing and storage of oil and gas. Chevron's operational area divided into three major areas include Northern Area, Southern Area, and West Seno (Deep Water). Using Engineering Estimate and Precedence Diagram Method, this Final Poject estimated the contract value and network planning. The current project is in the planning stages.

To solve these problems, framework of problem solving consist of five phases, namely the identification phase, the early research phase, phase of data processing, analysis and design phase of the project evaluation, and conclusions and recommendations phase. Identification stage involved the determination of problems and goals. Initial research phase was began to study literature and the study of object. Data processing stage consist of data collecting and data processing. The next stage is design and analysis phase from the data processing. After the analysis have been completed, the next stage is conclusion and recommendation.

In this research, the determination of cost estimate is done by engineering estimate. The cost component was identified by interviewing owner. Volume of work and quantity of material were not accounted but based on forecasting expired contract. Finally, drawing Gantt Chart to determine time schedule and plotting the network planning to determine logical relationship of the activities.

Conclusion of the research is that the project value of less than \$20.793.397,38 that was originally predicted by the owner and the end of the project duration is 27 September 2012 based on the results of network planning with a diagram of precedent.

Keyword : *Engineering Estimate, Network Planning, Owner Estimate, Call Out Contract*