

Pemanfaatan gas suar bakar menjadi sales gas = Utilization of associated gas into sales gas

Oktariandi, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20403828&lokasi=lokal>

Abstrak

[ABSTRAK

Tesis ini membahas bagaimana memanfaatkan gas suar bakar yang ada di Platform X untuk dapat menjadi suatu yang bernilai ekonomis. Gas suar bakar yang ada di Platform X selama ini hanya dibakar. Penelitian ini dimulai dengan menganalisa komposisi gas suar bakar yang ada di Platform X agar dapat ditentukan proses seperti apa yang tepat untuk mengolah gas suar bakar menjadi gas jual. Dari segi analisis teknis, proses Kompresi Gas merupakan pilihan tepat untuk mengolah gas suar bakar menjadi gas jual. Dilihat dari analisa komposisi gas suar bakar yang rendah gas asam membuatnya tidak perlu pengolahan lanjutan. Gas suar bakar dapat dikompresikan untuk dialirkan ke aliran gas yang masuk ke fasilitas gas ekspor untuk diproses agar sesuai dengan spesifikasi gas ekspor. Fasilitas gas ekspor di Platform X didesain untuk menampung gas 175 MMSCFD dimana produksi saat ini sebesar 125 MMSCFD sehingga masih mampu menampung masukan gas. Dari hasil analisa ekonomi investasi ini dinilai layak dilakukan, dengan nilai WACC 23,89% dan IRR 28,88%.

<hr>

ABSTRACT

The focus of this study is how to utilize Flare Gas in Platform X into valuable products. At all this time, the Flare Gas in Platform X is just burn in to flaring tip. This study is starting with analyze the gas composition in Platform X so it can specified what the right method to utilize the Flare Gas in Platform X into sales gas. From technical analysis, the Gas Compression is a perfect method to treatment Flare gas into sales gas. From the composition of gas analysis this gas has lower sour gas contents makes it unnecessary further treatment. Flare gas can be compressed to flow into the gas stream entering the facility to export gas to be processed in order to conform to the specifications of the gas export. Platform X Gas export facilities designed to handle 175 MMSCFD of gas so it still able to handle input gas. From the results of the economic analysis of investments is considered feasible, the WACC value of 23.89% and 28.88% IRR.;The focus of this study is how to utilize Flare Gas in Platform X into valuable products. At all this time, the Flare Gas in Platform X is just burn in to flaring tip. This study is starting with analyze the gas composition in Platform X so it can specified what the right method to utilize the Flare Gas in Platform X into sales gas. From technical analysis, the Gas Compression is a perfect method to

treatment Flare gas into sales gas. From the composition of gas analysis this gas has lower sour gas contents makes it unnecessary further treatment. Flare gas can be compressed to flow into the gas stream entering the facility to export gas to be processed in order to conform to the specifications of the gas export. Platform X Gas export facilities designed to handle 175 MMSCFD of gas so it still able to handle input gas. From the results of the economic analysis of investments is considered feasible, the WACC value of 23.89% and 28.88% IRR.;

The focus of this study is how to utilize Flare Gas in Platform X into valuable products. At all this time, the Flare Gas in Platform X is just burn in to flaring tip. This study is starting with analyze the gas composition in Platform X so it can specified what the right method to utilize the Flare Gas in Platform X into sales gas. From technical analysis, the Gas Compression is a perfect method to treatment Flare gas into sales gas. From the composition of gas analysis this gas has lower sour gas contents makes it unnecessary further treatment. Flare gas can be compressed to flow into the gas stream entering the facility to export gas to be processed in order to conform to the specifications of the gas export. Platform X Gas export facilities designed to handle 175 MMSCFD of gas so it still able to handle input gas. From the results of the economic analysis of investments is considered feasible, the WACC value of 23.89% and 28.88% IRR.;

The focus of this study is how to utilize Flare Gas in Platform X into valuable products. At all this time, the Flare Gas in Platform X is just burn in to flaring tip. This study is starting with analyze the gas composition in Platform X so it can specified what the right method to utilize the Flare Gas in Platform X into sales gas. From technical analysis, the Gas Compression is a perfect method to treatment Flare gas into sales gas. From the composition of gas analysis this gas has lower sour gas contents makes it unnecessary further treatment. Flare gas can be compressed to flow into the gas stream entering the facility to export gas to be processed in order to conform to the specifications of the gas export. Platform X Gas export facilities designed to handle 175 MMSCFD of gas so it still able to handle input gas. From the results of the economic analysis of investments is considered feasible, the WACC value of 23.89% and 28.88% IRR.,

The focus of this study is how to utilize Flare Gas in Platform X into valuable products. At all this time, the Flare Gas in Platform X is just burn in to flaring tip. This study is starting with analyze the gas composition in Platform X so it can specified what the right method to utilize the Flare Gas in Platform X into sales gas. From technical analysis, the Gas Compression is a perfect method to treatment Flare gas into sales gas. From the composition of gas analysis this gas has lower sour gas contents makes it unnecessary further treatment. Flare gas can be compressed to flow into the gas stream entering the facility to export gas to be processed in order to conform to the specifications of the gas export. Platform X Gas export facilities designed to handle 175 MMSCFD of gas so it still able to handle input gas. From the results of the economic analysis of investments is

considered feasible, the WACC value of 23.89% and 28.88% IRR.]