



integrated geomancy temporal analysis



Frequently the planning stages of full field optimization call for a time-based approach to development, ensuring the time and resource commitment for each section of the system is understood. This is an essential – and often difficult – task to undertake as it involves scheduling production based on the connections between assets across a set period, requiring consideration for the pipeline system in its entirety.

Integrated Geomancy helps to ease the strain associated with this planning approach by offering several Temporal Analysis tools for both Pipeline Gathering Systems and Roadways alike. This approach to Time Series Optimization may be accomplished through Backcasting or Forecasting.

Backcasting

Approaching development via Backcasting is helpful for instances when the goal of the system is known in its entirety, but the planning team requires a way to break this development up into manageable, efficient steps as not to go over budget. If the proposed layout and placement of the Pipeline Gathering System and Well Pad Sites is already known, then this methodology may be employed to accomplish such a feat.

In this technique, Integrated Geomancy focuses on the end-game, the future layout, and adjusts present development according to the target to be achieved. This process is flexible enough to further adjust to planning standards, allowing for phasing based on team-defined phases or based on completion dates. Regardless of the basis for siting, assets are corralled into manageable phases for development.

Forecasting

In contrast to Backcasting, development via Forecasting is ideal when the final network placement has not yet been decided upon. With this approach, the planning team may leverage the proposed locations of Well

Pad Sites to generate optimization phases. Similar to Backcasting, this process is also flexible in its methodology by allowing for phasing based on team-defined phases or based on completion dates.



Standard Optimization

If an organization wishes to forego Temporal Analysis, the options for Standard Optimization are also available. These approaches simply build a network in its entirety without consideration for phases or timelines. This method is ideal for providing an overview, honing settings and variables, and providing options for decision making. What this method does not include is a timeline for development, as it is assumed that the user will either break out on their own or employ the Temporal Analysis tools within Integrated Geomancy to accomplish such a feat.

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