**Feature Name: Well Management**

* Date of the Knowledge Transfer Session: 20-10-2023
* Objective: Brief Introduction to the Well Management
* Overview: The primary goal of well Management process includes planning, safety, efficient, drilling, operations and maintenance of well.
* Key Concepts: The terms, and components related to the project.

1. Well Management

2. License Management

3. User Management

4. Role Management

5. Policy Management

* Workflow: The workflow or process involved in the feature is

1. **Well Management**: Well Management in oil refers to the efficient and safe

Management of drilling and maintaining oil. Each well have multiple logs. Logs are used to gather the data.

Logs:

1. Time based: Monitors the data point every second

2. Depth based: Keeps tracks of the only depth related data.

3. Trajectory: Trajectory refers to the direction in which the well is drilled.

**2**. **License Management**: License management refers to the various license

Permissions and approvals required for well drilling and for doing operations.

**3**. **User Management**: User management is managing the users, providing them

access with particular resources.

**4. Role Management**: Role management means assigns the roles to the users.

Role management and user management are interrelated. Here we create groups

adding the users to that groups and assign roles to the users or we can individually

assign the roles to users.

**5. Policy Management**: Assigning the policies based up on the agreement of users

Means giving particular access to users.

* Dependencies: Dependencies are required to work effectively. Some dependencies are advanced drilling equipment and technology for efficient drilling. Skilled and

Professional workforce required for well management.

* Use Cases:
* Safety assessments and measures.
* Maintaining the records and data related to well management for future use.
* Functionalities: Safety measurements , well planning , Maintaining data and records.
* Best Practices: Best practices include monitoring the well continuously, taking necessary steps

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