

Start	End	Duration	Diam	Phase	Sub-Phase	Code	Operational Classification	NPT Code	NPT Cause	Responsible	Start depth [m]	End depth [m]	Open/Cased Hole	Description	ID
00:00	01:15				2 - Drill Actual	2.02 - Drilling - R...					2121.36	2177.67		Drilling rotary operation for 1 hour, 15 minutes from start depth 2121 m to end depth 2177 m, average parameters WOB: 7 tons, ROP: 63 m/h, RPM: 162 rpm, TGA: 1494 kg/m, Flowrate: 4362 l/min, Pressure: 198 kg/cm²	
01:15	01:45				2 - Drill Actual	2.02 - Drilling - R...					2177.84	2205.74		Drilling rotary operation for 30 minutes from start depth 2177 m to end depth 2205 m, average parameters WOB: 8 tons, ROP: 57 m/h, RPM: 175 rpm, TGA: 1545 kg/m, Flowrate: 4402 l/min, Pressure: 207 kg/cm²	
01:45	02:45				2 - Drill Actual	2.02 - Drilling - R...					2205.79	2261.9		Drilling rotary operation for 1 hour from start depth 2205 m to end depth 2261 m, average parameters WOB: 8 tons, ROP: 77 m/h, RPM: 156 rpm, TGA: 1522 kg/m, Flowrate: 4379 l/min, Pressure: 208 kg/cm²	

ID3 Reporting V. 3.1 AI-Automated Timelog

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The AI Reporting module is a GenAI-powered solution designed to streamline and automate the Daily Drilling Report (DDR) creation process. The module analyses comments and sensor driven activity detections, introducing a faster and more accurate way to compile daily operational reports.

Overview

This module introduces a transformational workflow for **DDR generation**. The system uses powerful LLM-driven AI and real time rig sensor data to automatically read, interpret, and fill in reporting codes. These capabilities **significantly reduce manual reporting effort**, enhance consistency across rigs, and ensure high quality and accuracy.

With up to 90% of the timelog auto populated including operations, phases, IADC codes with time/depth intervals, the rig crews can focus more on safe and efficient operations rather than administrative tasks. The module is fully customizable and integrates seamlessly with other ID3 modules.

Key Features & Changes

- **AI-Automated DDR Generation**

The system interprets comments and applies the correct codes. It generates phase-level descriptions with minimal manual input.

- **Sensor Driven Activity Detection**

Rig sensor data automatically builds the activity log, ensuring precise timelines and reducing the need for manual reconstruction.

- **Flexible & User Friendly Workspace**

Customize activity and IADC codes, edit timelogs through an intuitive UI/UX, and add manual flat-time entries when needed the giving team full control with less effort.

Deployment Requirements

To deploy the AI Reporting Module, the following must be in place:

- **Active LLM Service Subscription**

1. A valid subscription to OpenAI or another approved Large Language Model provider is required to enable GenAI capabilities.

2. The subscription can be procured and managed by us, or - if restricted by internal company policies - hosted and administered directly by the client.

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