

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

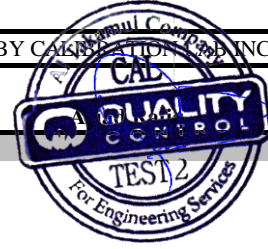
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Date of Issue:

August 13, 2024

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REF NUMBER	: By Contract	APPROVED BY CALIBRATION INCHARGE QC
Job No #	: QC/JN/24/00322	
CERTIFICATE NUMBER	: QC240813-04	


CUSTOMER DETAILS

Name: **Daqing Drilling Company Iraq**
 Address: DPAB Co.Ltd Iraq Branch Block-9
 Rig: DQ043

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description: **4 Fixed Gas System & Gases Monitoring Controller**
 Manufacturer: **Honeywell RAE**
 Serial Number Of GMC: **F0130031B6**
 Type: Digital
 Calibrated Range: 25 PPM H2S 50% LEL
 Calibrated By: Hussein Alaa
 Calibration Date: August 13, 2024
 Calibration Due: **February 12, 2025**

REMARK (S) :

- 1 The results relate to measurements taken at nominal value only.
- 2 No adjustments were made prior to calibration.
- 3 No accessories were fitted.
- 4 Calibration were carried out for all the Sensors

Serial Number	Sensor Type	Manufacturer	Model
D014012947	H2S	Honeywell RAE	FTD-2000
D014012929	H2S	Honeywell RAE	FTD-2000
D014012956	H2S	Honeywell RAE	FTD-2000
D015013007	LEL	Honeywell RAE	FTD-3000



Alarm Details	Low	High
H2S-ppm	5	10
CH4-%LEL	10	20

Tested and found OK

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 28°C ± 2°C ± 2 Relative Humidity 40 %RH ± 10 %RH

CALIBRATION METHOD

Reference cylinders consisting of gases LEL & H2S is used, which are detected by gas detector by diffusion.

TRACEABILITY

The measurements made by Quality Control, realize the physical units of measurements (SI), through its state of the art calibration standards that are controlled and maintained by QC.

REFERENCE EQUIPMENT USED :

DESCRIPTION	SERIAL NO.	Make	Valid Until
Calibration Gas Cylinder (25PPM H2S) & (50% LEL)	950-092876	CALGAZ	27-June-2025

CALIBRATION TEST RESULTS

Applied Gas	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
H2S PPM	25.1	25.0	0.1	± 1
H2S PPM	25.0	25.0	0.0	± 1
H2S PPM	24.8	25.0	-0.2	± 1
Methane(LEL)%	50.0	50	0.0	± 1

Calibration results were found to conform as per specified accuracy requirements. Above Instrument has **PASSED** its Calibration.