

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue:

April 16, 2025

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REQUEST NUMBER	: By Contract	APPROVED BY LAB INCHARGE QC
JOB NUMBER	: QC-CAL-25133	
CERTIFICATE NUMBER	: QC-CAL-25133-01	

CUSTOMER DETAILS

Name : **Daqing Drilling Company Iraq**
Address : South Rumaila South Iraq
Rig : DQ037

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Fixed Gas System**
Manufacturer : Status Scientificn
H2S Gas Monitoring Panel SN : 16165417
LEL Gas Monitoring Panel SN : 0413
Type : Digital
Calibrated Range : 25 PPM H2S 50% LEL
Calibrated By : Hussein Alaa
Calibration Date : April 16, 2025
Calibration Due : **July 15, 2025**



Serial Number	Sensor Type	Manufacturer	Manufacturer	Model
13774	H2S	Status Scientificn	Celler	LC4
13806	H2S	Status Scientificn	Rig Floor	LC4
13795	H2S	Status Scientificn	Bell Nipple	LC4
40810	H2S	Status Scientificn	Shale Shaker	LC4
13801	LEL	Status Scientificn	Shale Shaker	LC4
12.817	LEL	Status Scientificn	Rig Floor	LC4
13844	LEL	Status Scientificn	Bell Nipple	LC4
13819	LEL	Status Scientificn	Celler	LC4

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
Gas Cylinder (25PPM H2S)&(50% LEL)	WO463909-1	CALGAZ	July 31, 2026

CALIBRATION TEST RESULTS

Applied Gas	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
H2S PPM	25.0	25.0	0.0	± 1
H2S PPM	25.0	25.0	0.0	± 1
H2S PPM	25.0	25.0	0.0	± 1
H2S PPM	25.0	25.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 2

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

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

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

Tested and found OK