



# Certificate of Calibration

Iraq- Basra- Jaza'er, Field : North Rumela

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Date of Issue: July 31, 2023

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|                                  |   |
|----------------------------------|---|
| REF NUMBER : By contract         | APPROVED BY CALIBRATION LAB INCHARGE QC |
| CERTIFICATE # : QC/JN/23/00267   |   |
| CERTIFICATE NUMBER : QC230731-02 |   |



### CUSTOMER DETAILS

Name **DPAB Co.Ltd Iraq Branch Block-9**  
 Address **Basra - Iraq, Block 9**  
 Rig **DQ45 Mudlogging**

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

|                  |                         |               |     |      |
|------------------|-------------------------|---------------|-----|------|
| Description      | <b>H2S Gas Detector</b> | Alarm Details | Low | High |
| Manufacturer     | BW                      | H2S           | 10  | 15   |
| Model            | BW Extreme              |               |     |      |
| Location         | DQ43 Location           |               |     |      |
| Serial Number    | <b>J620-H822854</b>     |               |     |      |
| Type             | Digital                 |               |     |      |
| Calibrated Range | 25 PPM H2S              |               |     |      |
| Calibrated By    | Mahdi Haleem            |               |     |      |
| Calibration Date | July 31, 2023           |               |     |      |



**Calibration Due January 30, 2024 180 days from the date of Calibration**

Calibration Site **DQ43 Mudlogging**

### ENVIRONMENTAL CONDITIONS DURING TEST

|                     |           |   |         |
|---------------------|-----------|---|---------|
| Ambient Temperature | : 19.3 °C | ± | 0.1 °C  |
| Relative Humidity   | 42.3 %RH  | ± | 0.5 %RH |

### CALIBRATION METHOD

A reference cylinder consisting of gas (H2S) is used , which are detected by gas detector by diffusion.

### TRACEABILITY

The measurements made by QC Calibration & Testing Labs are traceable to NIST, vide Intermountain Speciality Gases Certificate of Analysis  
The measurements made by QC Calibration & Testing Labs, 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   | GAS EXPIRY DATE |
|-------------|------------|--------|-----------------|
| H2S Gas     | 955-545316 | CALGAZ | 1/3/2025        |

### CALIBRATION TEST RESULTS

| Gas Name | Values of UUC | Values on Reference Standard | Error in Reading of UUC | Uncertainty of Measurement |
|----------|---------------|------------------------------|-------------------------|----------------------------|
| H2S Gas  | 26            | 25.00                        | -1.00                   | ± 1                        |

Result : The above Value Indicates That the Instrument complies with the Specified Maximum Permissible error tolerance.  
At The Time of Calibration it's ready for use .

End of the certificate

