

Certificate of Calibration

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| Date of Issue: | May 27, 2024 | Page 1 of 1 |
| REF NUMBER | : By Contract | APPROVED BY CALIBRATION IN CHARGE QC |
| Job No # | : QC/JN/24/00223 | |
| CERTIFICATE NUMBER | : QC240527-41 | |



CUSTOMER DETAILS

Name : Zhongman Petroleum Engineering
Rig : Iraq , Basra (Rig ZPEC25)

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Fixed H2S/LEL Gas Detection System
Manufacturer : SAFETAK
Model : GC880
Serial Number for H2S Panel : A4911081
Type : Digital
Calibrated Range : 40 PPM H2S 50% LEL
Resolution : 1 ppm And 1 %
Calibrated By : Asjad Rafiq
Calibration Date : May 27, 2024
Calibration Due : August 26, 2024 3 Months Validity from the date of Calibration
Calibration Site : ZPEC25

| H2S S/N | LEL S/N | Location |
|-------------|-------------|--------------|
| A-072790 | A-0721735 | Cellar |
| AUKG1701033 | AUBB1701523 | Shale Shaker |
| A-0727909 | 2017030 | Rig Floor |
| A-0727907 | 2146056 | Bell Nipple |



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 38 °C ± 2 °C
Relative Humidity : 20 %RH ± 5 %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 (40PPM H2S) | 555895 | Gulf Cryo | 25-Dec-2024 |
| Calibration Gas Cylinder (50% LEL) | 140135 | Bristol | 18-Oct-2024 |

CALIBRATION TEST RESULTS

| Applied Gas | Values of UUC | Values on Reference Standard | Error in Reading of UUC | Uncertainty of Measurement |
|------------------------------|---------------|------------------------------|-------------------------|----------------------------|
| Methane(LEL)% (Cellar) | 50 | 50 | 0 | ± 1 |
| Methane(LEL)% (Shale Shaker) | 50 | 50 | 0 | ± 1 |
| Methane(LEL)% (Rig Floor) | 51 | 50 | 1 | ± 1 |
| Methane(LEL)% (Bell Nipple) | 49 | 50 | -1 | ± 1 |
| H2S PPM (Cellar) | 40 | 40 | 0 | ± 1 |
| H2S PPM (Shale Shaker) | 39 | 40 | -1 | ± 1 |
| H2S PPM (Rig Floor) | 40 | 40 | 0 | ± 1 |
| H2S PPM (Bell Nipple) | 41 | 40 | 1 | ± 1 |

| Alarms Detail | | |
|---------------|--------------|---------------|
| H2S | 5 PPM(Low) | 10 PPM(High) |
| LEL | 10% LEL(Low) | 20% LEL(High) |

Results :

The above Value Indicates That the Instrument complies with the Specified Maximum Permissible error tolerance.
At The Time of Calibration. and ready for use.