



## KPMG Professional Services

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## كي بي إم جي للاستشارات المهنية

واجهة الرياض، طريق المطار  
صندوق بريد ٩٢٨٧٦  
الرياض ١١٦٦٣  
المملكة العربية السعودية  
سجل تجاري رقم ١٠١٠٤٢٥٤٩٤

المركز الرئيسي في الرياض

# Independent limited assurance report to Saudi Arabian Oil Company on the statement of Upstream Carbon Intensity ("UCI")

## To the Management of the Saudi Arabian Oil Company

We were engaged by the Management of Saudi Arabian Oil Company ("the Company", "Saudi Aramco") to carry out a limited assurance engagement in order to state whether anything has come to our attention that causes us to believe that the subject matter information detailed below ("Subject Matter"), has not been prepared, in all material respects, in accordance with the applicable criteria ("Applicable Criteria") as set out below.

### Subject Matter

The Subject Matter for our limited assurance engagement is related to the Company's Upstream Carbon Intensity ("UCI") statement for the year ended 31 December 2022, prepared by the Company, as attached in Annex A of this report, which details the UCI, on operated basis, and expressed in kilogram ("Kg") of carbon dioxide equivalent ("CO<sub>2</sub>e") per barrels of oil equivalent ("BOE") based on Scope 1 and Scope 2 greenhouse gas emissions ("GHG"), location and market based, and marketed liquids and gas production in barrels of oil equivalent ("BOE"), for the Company's wholly owned operated upstream assets within the Kingdom of Saudi Arabia.

### Applicable Criteria

The Applicable Criteria for this limited assurance engagement is as follows:

- The calculation method for UCI prescribed in the *Oil and Gas Climate Initiative Reporting Framework (March 2022 version)*.

### Saudi Arabian Oil Company's responsibility

The management of the Company is responsible for preparing and presenting the Subject Matter information that is free from material misstatement in accordance with the Applicable Criteria and for the information contained therein.

This responsibility includes: designing, implementing and maintaining internal control relevant to the preparation and presentation of the Subject Matter information that is free from material misstatement, whether due to fraud or error. It also includes developing the Applicable Criteria as the criteria against which to evaluate the Subject Matter information.

The management of the Company is also responsible for preventing and detecting fraud and for identifying and ensuring that the Company complies with laws and regulations applicable to its activities. The management of the Company is responsible for ensuring that staff involved with the preparation of the Subject Matter information are properly trained, systems are properly updated and that any changes in reporting encompass all significant business units.



## Independent limited assurance report

### Our responsibility

Our responsibility is to examine the Subject Matter information prepared by the Company and to report thereon in the form of an independent limited assurance conclusion based on the procedures we have performed and the evidence obtained. We conducted our engagement in accordance with the International Standard on Assurance Engagements ("ISAE") 3000 (Revised) *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* and the terms and conditions for this engagement as agreed with the Company's management. ISAE 3000 (Revised) requires that we plan and perform the engagement to obtain limited assurance about whether the Subject Matter information has been properly prepared, in all material respects, in accordance with the Applicable Criteria.

Our firm applies the International Standard on Quality Management 1, which requires the firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

We have complied with the independence and other ethical requirements of the International Code of Ethics for Professional Accountants (including International Independence Standards) that is endorsed in the Kingdom of Saudi Arabia, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior.

The procedures selected depend on our understanding of the Subject Matter and other engagement circumstances, and our consideration of areas where material misstatements are likely to arise.

In obtaining an understanding of the Subject Matter and other engagement circumstances, we have considered the process used to prepare the Subject Matter information in order to design assurance procedures that are appropriate in the circumstances, but not for the purposes of expressing a conclusion as to the effectiveness of the Company's process or internal control over the preparation and presentation of the Subject Matter information.

Our engagement also included: assessing the appropriateness of the Subject Matter, the suitability of the Applicable Criteria used by the Company in preparing the Subject Matter information in the circumstances of the engagement, evaluating the appropriateness of the procedures used in the preparation of the Subject Matter information and the reasonableness of estimates made by the Company.

Limited assurance is less than absolute assurance and reasonable assurance. The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

As part of this engagement, we have not performed any procedures by way of audit, review or verification of the Subject Matter information nor of the underlying records or other sources from which the Subject Matter information was extracted.

### Procedures performed

Our limited assurance engagement on the Subject Matter information consisted of making enquiries, primarily of persons responsible for the preparation of the Subject Matter information, and applying analytical and other procedures, as appropriate. These procedures were based on our professional judgement and included the following, amongst others, for the year ended 31 December 2022:

- Performing an analysis of the external environment and obtaining an understanding of the reporting processes for Saudi Aramco, including obtaining an understanding of internal controls, systems and processes relevant to the preparation of the Subject Matter;
- Interviewing management and other relevant staff / personnel at corporate level responsible for data collection, data management, and data analysis pertaining to the Subject Matter;
- Reviewing management documentation and Company data reporting tools to the extent they underpin the preparation of the Subject Matter;
- Reviewing the availability and sufficiency of the data management protocols;
- Agreeing the Scope 1 and Scope 2 GHG emissions information in the Subject Matter with supporting underlying records;
- Agreeing the production figures as detailed in the Subject Matter with underlying records / production reports;
- Recalculating the UCI information detailed in the Subject Matter for the Company's upstream assets within the Kingdom of Saudi Arabia; and
- Checking mathematical accuracy of the Subject Matter information.



## Independent limited assurance report

### Characteristics and limitations

Due to the inherent limitations of any internal control structure, it is possible that errors or irregularities in the information presented in the Subject Matter may occur and not be detected. The assurance relies on documentation furnished by the Company and interactions with relevant personnel within the Company. Our engagement is not designed to detect all weaknesses in the internal controls over the preparation of the Subject Matter information as the procedures performed were undertaken on a test basis. Moreover, we assume correctness of third-party information, where applicable, as well as publicly disclosed information to reach our conclusion.

Our engagement was not designed to test, verify or audit the completeness and accuracy of system outputs from the Company, including performing any assurance procedures around the operational boundaries. Similarly, our engagement was not designed to assess the appropriateness of the BOE factors applied by the Company when preparing the Subject Matter.

In performing our limited assurance engagement, we have performed procedures to ascertain whether the Subject Matter has been prepared in accordance with the Applicable Criteria only to the extent pertaining to the calculation of UCI for the year ended 31 December 2022 and thus our engagement was not designed to test, verify or audit any baselines, targets that the Company may be setting and or compliance with any other requirements applicable for an OGCI member as set out in the Applicable Criteria.

Furthermore, for the purpose of this limited assurance engagement, we have not performed any assurance procedures on the Scope 1 and Scope 2 GHG emissions figures, as determined by Management and disclosed in Annex B of this report, which has been used to compute the UCI information in the Subject Matter.

### Limited assurance conclusion

Our conclusion has been formed on the basis of, and is subject to, the matters outlined in this report. We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our conclusion.

Based on the procedures performed and evidence obtained, nothing has come to our attention that causes us to believe that the Subject Matter information is not prepared, in all material respects, in accordance with the Applicable Criteria.

### Restriction of use of our report

Our report should not be regarded as suitable to be used or relied on by any party wishing to acquire rights against us other than the Company, for any purpose or in any context. Any party other than the Company who obtains access to our report or a copy thereof and chooses to rely on our report (or any part thereof) will do so at its own risk. To the fullest extent permitted by law, we accept or assume no responsibility and deny any liability to any party other than the Company for our work, for this independent limited assurance report, or for the conclusions we have reached.

Our report is released to the Company on the basis that it shall not be copied, referred to or disclosed, in whole (save for the Company's own internal purposes) or in part, without our prior written consent.

### KPMG Professional Services



Fahad Mubark Aldossari  
License no: 469

Riyadh, 2 March 2023  
Corresponding to: 10 Shaban 1444H



**Annex A: Saudi Aramco's upstream production figures**

Product Description	YE'22 Production in Thousand Barrels per day of oil equivalent (MBDOE)**
Crude (excl. Bahrain Share of Abu Safah)	10,250
Sales Gas (including own use)	1,788
Sales Gas Own Use*	322
Ethane	289
RT Condensate	157
NGL	1,053
Export condensate (not included in Crude)	4
Bahrain Share of Abu Safah	150
AGOC	76
<b>TOTAL</b> <i>(excluding Sales Gas own use and AGOC)*</i>	<b>13,370</b>
UCI of the upstream wholly owned operated assets in the Kingdom of Saudi Arabia. Kg CO2e per BOE (Location based)	10.3
UCI of the upstream wholly owned operated assets in the Kingdom of Saudi Arabia. Kg CO2e per BOE (Market based)	9.3

\*Upstream Marketed Production includes (Crude+Sales Gas+Ethane+RT Condensate+NGL+Export condensate+Bahrain Share of Abu Safah) and excludes Sales Gas Own use and AGOC.

\*\* The calendar year is 365 days.



Annex B: 2022 GHG Emissions for Upstream Wholly Owned Operated Assets within the Kingdom of Saudi Arabia in tonnes of CO<sub>2</sub>e

Location based	
Scope 1	39,409,653
Scope 2	10,949,958
Total	50,359,611

Market based	
Scope 1	39,409,653
Scope 2	5,793,507
Total	45,203,160