Measuring devices approval PA s58(ga)

Relevant Form - Petroleum Act 1984

This is the relevant form for the purposes of section 58(ga) of the *Petroleum Act 1984*[1] (Act).

Use this form to apply to the Chief Executive Officer (CEO) of the Department of Mining and Energy (DME) when separate approval of measuring devices is required because those devices and their locations are not included in an approved application to recover appraisal petroleum (BUG[2] approval) or a previously approved type of meter(s), or their location varies from a previous approval. There are also limited circumstances when you can apply to make minor variations to the location of measuring devices that have been approved as part of a field management plan (FMP).

Measurement devices are used to determine the energy content of petroleum for custody transfer purposes (sale of gas) and to verify that the petroleum meets the quality specification obligations.

You must submit all relevant data sheets and process flows diagrams as part of this application.

It is a general condition of all permits and licences issued in accordance with the Act that all wells capable of producing or recovering petroleum must have an approved measuring device installed at a location required or approved by the CEO before commencing any production or recovery operations.

If you are applying for approval for measuring devices that will be used in conjunction with an existing BUG approval, you must refer to the Recovery of petroleum on an appraisal basis: Application guideline[3]. You will need to demonstrate to the CEO that the measuring devices proposed in this application meet the requirements of the guideline and are consistent with the relevant existing approval(s).

Read the important information at **Attachment A**.

Petroleum interest			
Petroleum interest reference number (EP, RL, P, OL)		**Expiry date**	
Interest holder /operator			
Company/individual name			
ACN / ABN / ARBN		**Interest held**	%
Business address			
Postal address			
Contact person			
Telephone		**Email**	

[1] https://legislation.nt.gov.au/en/Legislation/PETROLEUM-ACT-1984
[2] BUG is a colloquially used acronym which refers to the beneficial use of gas
[3] https://nt.gov.au/__data/assets/word_doc/0003/1565211/recovery-of-petroleum-on-an-appraisal-basis-guideline.docx

NORTHERN TERRITORY GOVERNMENT

Person in charge of activity (may be a contractor carrying out the activity on behalf of the interest holder)			
Contact person			
Role			
Company name			
ACN / ABN / ARBN			
Telephone		**Email**	
Related BUG approval			
Document ID	Unique identifier for BUG approval, or specify NA		
Date approved, including any revision(s)	Revision number, Date approved (DD-MM-YY) , or specify NA		
Existing measuring device approval(s) – list all as applicable			
Document ID and date approved	Unique identifier for approval, date approved (DD-MM-YY), or specify NA		
Date approved	Date approved (DD-MM-YY), or specify NA		
Related FMP approval			
Document ID	Unique identifier for FMP approval, or specify NA		
Date approved, including any revision(s)	Revision number, Date approved (DD-MM-YY), or specify NA		

Proposed measuring devices (add or delete rows as applicable)

Meter / component type	**Applicable standard**	**Rationale**	**Verification and calibration**	**Frequency and replacement** (where applicable)	**Accuracy**	**Data sheet reference(s)** (Sheet number)	**Data sheet** Required attachment	**Procedure** Attach if available, otherwise required upon commencement
E.g. Orifice plate flowmeter	E.g. AGA-3	E.g. Measures the flowrate of the co-mingled gas and water stream produced from individual wells (back allocation)	E.g. **Plate** – Visual check for wear and damage.	E.g. Initial and 6 monthly	E.g. <2% (not for custody transfer).	E.g. 2026-OPF-123	☐	☐
E.g. Orifice plate flowmeter	E.g. AGA-3	E.g. Measures the total quantity of gas produced from all operational wells on the well pad	E.g. **Plate**– Visual check for wear and damage.	E.g. Initial and 6 monthly	E.g. <2% (not for custody transfer).	E.g. 2026-OPF-456	☐	☐
E.g. Orifice plate flowmeter	E.g. AGA-3	E.g. Measures water returned to the water storage tank	E.g. **Plate** – Visual check for wear and damage.	E.g. Initial and 6 monthly	E.g. +/- 2%	E.g. 2026-OPF-1011	☐	☐
E.g. Ultrasonic meter	E.g. AGA-9	E.g. Measures the speed of gas through fixed diameter to determine volumetric flowrate.	E.g. Diagnostics, validation and calibration.	E.g. Initial and 3 monthly 5-yearly replacement if required.	E.g. +/- 1%	E.g. 2026-UM-123	☐	☐
E.g. Gas chromatograph (gas analyser)	E.g. ISO 6976 ISO 6974	E.g. Measures the composition of the export gas to determine the density and higher heating value so that the volumetric flow can be converted to an energy flowrate.	E.g. Diagnostics, validation and calibration.	E.g. Initial and 3-monthly meter Daily auto-calibration	E.g. + 0.1%	E.g. 2026-GC-123	☐	☐
E.g. Electromagnetic flowmeter	E.g. ISO 20456	E.g. Measures the volume of water going to the produced water treatment system from various sources.	E.g. Calibration	E.g. Initial and annually	E.g. +/-0.5%	E.g. 2026-EM-111	☐	☐

Proposed measuring device locations (add or delete rows as applicable)

Meter / component type (as applicable based on the site)	**Fluid and source**	**Location and rationale**	**Location identifier**	**Process flow diagram** (Sheet number)	**Process flow diagram** (required attachment)
E.g. Orifice plate flowmeter	E.g. Petroleum from (well name) well	E.g. One per well - installed to measure the flowrate of the co-mingled gas and water stream produced from each individual well	E.g. WELLREF-123	E.g. 2026-MD-01	☐
E.g. Orifice plate flowmeter	E.g. Petroleum from well pad	E.g. One per well pad - Installed on gas outlet line of the common well pad separator to measure the total quantity of gas produced from all operational wells on the well pad	E.g. WELLREF-456	E.g. 2026-MD-01	☐
E.g. Orifice plate flowmeter	E.g. Produced water from all operational wells on the well pad	E.g. Installed on the water outlet line of the common well pad separator to measure the total quantity of water produced	E.g. WELLREF-789	E.g. 2026-MD-01	☐
E.g. Ultrasonic meter	E.g. Petroleum	E.g. Installed on the sales gas export line. Measures the speed of gas through fixed diameter to determine volumetric flowrate.	E.g.FE-123	E.g. 2026-MD-02	☐
E.g. Gas chromatograph (gas analyser)	E.g. Petroleum	E.g. Measures the composition of the export gas to determine the density and higher heating value so that the volumetric flow can be converted to an energy flowrate.	E.g.AE-456	E.g. 2026-MD-02	☐
E.g. Electromagnetic flowmeter	E.g. Water	E.g. Measures the volume of water going to the produced water treatment system from various sources.	E.g.AE-989	E.g. 2026-MD-02	☐

Declaration			
I declare that the information contained in this form is true and correct to the best of my knowledge. I understand that providing misleading information, or making false representations are offences as per section 107 and section 108 of the *Petroleum Act 1984*.			
Signature		**Date**	
Name			
Position held/title			

Fees

There is no fee for a measuring device approval.

How to submit

Submit this form and attachments via email or post to:
petroleum.operations@nt.gov.au

Department of Mining and Energy
GPO Box 4550
Darwin NT 0801

Privacy statement

The Department of Mining and Energy complies with the Information Privacy Principles[4] scheduled by the *Information Act 2002*.

Further information

Contact Petroleum Operations, DME for technical advice on 08 8999 6521 or via email petroleum.operations@nt.gov.au

[4] https://infocomm.nt.gov.au/privacy/information-privacy-principles

Attachment A – Important Information

Application notes

1. Assessment and approval of measuring devices and their locations will only relate to wells specified in this form and they must correspond with an approval to recover appraisal petroleum (BUG approval) under s57AAA of the Act.
2. Once approved, details specified in an application will become a condition of approval of the relevant BUG or FMP approval. Ongoing compliance with specified standards, data sheets and process flow diagrams is required.
3. As additional wells are brought online, or any additional or alternate measuring devices are required, separate applications will need to be made.
4. Measurement device procedures should be provided with application if available at the time of lodgement, alternatively they will need to be provided and accepted at commencement.
5. Calibration records and validation certificates of measurement devices must be provided at commencement.
6. All key records associated with the approved measuring devices must be kept and made available in accordance with Regulations 66P(c), 66Q and 66R of the Petroleum Regulations 2020.
7. A new approval to recover petroleum on an appraisal basis will be required to continue recovery under a renewed permit or a retention licence.

Internal document control

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1.0	12/08/2026	Energy Development	Initial application form