

Honeymoon and Alta Mesa Resource Tables

Addendum to Diggers and Dealers Presentation 2024

HONEYMOON JORC EXPLORATION TARGETS AND MINERAL RESOURCE

The information in this Presentation relating to the Enhanced Feasibility Study ("EFS") is extracted from the announcement entitled 'Updated Feasibility Study identifies lower costs and increased financial returns' dated 21st June 2021. Boss Energy confirms that all the material assumptions underpinning the production targets, and forecast financial information derived from the production targets, continue to apply and have not materially changed. As the EFS utilises a portion of Inferred Mineral Resources, the ASX Listing Rules ("Listing Rules") require a cautionary statement to be included in this Presentation. The EFS is based on a Mineral Resources Estimate in accordance with the JORC 2012 guidelines (ASX: 149% Increase in Measured and Indicated Resources at Honeymoon date 25 February 2019). The Company advises that the EFS uses a portion of Inferred Resources; in the first 3 years (less than 1%), in the first 5 years (5%) and over the 11-year life of mine (19%). The Company confirms that the use of Inferred Resources is not a determining factor to the Honeymoon Project's economic viability. There is a low level of geological confidence associated with Inferred Resources and there is no certainty that further exploration or evaluation work will result in the determination of Indicated Resources or that the production targets reported in this announcement will be realised.

The mineral resource estimate and exploration target in this Presentation were reported by the Company in accordance with Listing Rules 5.8 and 5.7 (respectively) on 25 February 2019 and 25 March 2019, respectively. The Company confirms it is not aware of any new information or data that materially affects the information included in the previous announcement and that all material assumptions and technical parameters underpinning the estimates in the previous announcement continue to apply and have not materially changed. In relation to the exploration target, this does not include areas of the existing mineral resource and the potential quantity and grade reported are conceptual only in nature. Insufficient exploration has been conducted to estimate a mineral resource and it is uncertain whether future exploration will lead to the estimation of a mineral resource in the defined areas.

	Tonnes (Mt)	Grade (%U ₃ O ₈)	Contained U ₃ O ₈ (Mlbs)
Measured	3.1	0.110	7.6
Indicated	18.4	0.063	25.5
Inferred	30.9	0.057	38.5
Total	52.4	0.062	71.6

ALTA MESA NI 43-101 MINERAL RESOURCE ESTIMATE (2023)

For the purposes of Listing Rule 5.12, Boss Energy cautions that the mineral resources for the Alta Mesa Project are not reported in accordance with the JORC Code. The mineral resource estimate at Alta Mesa is a foreign estimate prepared in accordance with Canadian National Instrument 43-101. A competent person has not done sufficient work to classify the foreign estimate as a mineral resource in accordance with the JORC Code, and it is uncertain whether further evaluation and exploration will result in an estimate reportable under the JORC Code. Please refer to Annexure A for additional technical information relating to the foreign estimate.

The information in this Presentation and in Annexure A provided under Listing Rules 5.12.2 to 5.12.7 that relates to the foreign estimate for the Alta Mesa Project is based on information compiled by Mr Jason Cherry, and is an accurate representation of the available data and studies for the Alta Mesa Project.

Mr Cherry is a member of the Australian Institute of Geoscientists (AIG) and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the activity being undertaken to qualify as a Competent Person, as defined in the JORC 2012 edition of the "Australasian Code for Reporting of Mineral Resources and Ore Reserves". Mr Cherry has 17 years' experience and is a full-time employee as Geology Manager for Boss Energy Ltd. Mr Cherry consents to the inclusion in this Presentation of the matters based on this information in the form and context in which they appear.

	Resource Category	Tonnes ('000)	Grade (%U ₃ O ₈)	Contained U ₃ O ₈ ('000 lbs)
Within existing wellfields	Measured	54	0.152	164
Alta Mesa	Indicated	1,397	0.106	2,959
Mesteña Grande	Indicated	119	0.120	287
Total Measured & Indicated Mineral Resources		1,570	0.109	3,410
Alta Mesa	Inferred	1,263	0.126	3,192
Mesteña Grande	Inferred	5,733	0.119	13,601
Total Inferred Mineral Resource		6,996	0.120	16,793¹