

2 June 2022

Operational Update: South Marsh Island 58 G5 Well

- **7-inch production casing has been run and cemented to a depth of 9,650 feet**
- **All hydrocarbon sands logged to date are fully protected behind casing**
- **Top drive repairs are still in progress**
- **Once repairs are completed, Byron will drill ahead to evaluate the primary N2 Sand**
- **Production from the SM58 G3 and G5 wells is still expected to begin in July**

Byron Energy Limited (Byron or the Company) (ASX: BYE) would like to provide the following update on the Company's 100% owned and operated South Marsh Island 58 G3 (G3) and South Marsh Island 58 G5 (G5) drilling program at its South Marsh Island 58 G Platform.

As announced on 26 May 2022, the Byron SM58 G5 well had reached a depth of 9,650 feet Measured Depth (MD)/7,672 feet True Vertical Depth (TVD) and logged commercial hydrocarbons (most likely oil based on LWD logs and mudlog shows) in three sands, the I2 Sand, K4 Sand and L2 Sand. Details on this positive result can be found in the 26 May 22 ASX release. At that depth, the transmission on the top drive unit of the Enterprise Offshore Drilling 264 (EOD 264) jack-up rig failed, and a complete replacement of the top drive was required.

Prior to the top drive repair work, 7-inch production casing was run to total depth and a successful cement job was performed. Accordingly, the three hydrocarbon pay sands logged in the G5 to the depth of 9,650 feet MD are now fully protected and the reserves associated with those sands can be booked and ultimately produced through Byron's 100% owned and operated SM58 G platform. Once the top drive is repaired, Byron will drill the remaining 600 feet to total depth and evaluate the primary N2 Sand target. With the three pay sands logged to date, the G5 is already considered to be a commercial hydrocarbon well and will be completed for production.

After completing the casing job, top drive repairs began on Saturday 28 May 2022 (USCDT) and as of Tuesday, 31 May 22, the entire top drive unit had been replaced and testing was in progress. However, the motor on the replacement top drive was found to be inoperable and a new motor was mobilized to the EOD 264. Work is currently ongoing to swap out the motor and finish the repair. It is currently estimated that this swap will take several days before it can then be commissioned and approved for use. During the repair time, the EOD 264 has been and will continue to be, on a day rate of zero dollars per day and all unnecessary contract services have been suspended to minimize any expense to Byron.

Once the top drive is operational, it will take another two days to pick up the necessary 4-inch drill pipe, test the BOP's per regulations and trip to bottom before operations to drill to the planned final total depth of 10,240 feet MD/8,196 feet TVD and evaluate the primary N2 Sand. If the G5 logs commercial hydrocarbon pay in the N2 Sand, a 5-inch production liner will be run and cemented before completion operations commence.

The Company's release on 26 May 22 also stated that production from the SM58 G3 and G5

For personal use only

wells is expected begin in July and that has not changed. More information on the success of the SM58 G3 well can be found in Byron's ASX release dated 16 May 2022.

The mechanical failures the EOD 264 has experienced while drilling the G5 are not unusual in the current drilling environment. The fleet of available rigs in the Gulf of Mexico is small in number and much of the equipment is dated. Although these rigs are well maintained, equipment failures are one of the major risks of any drilling operation. Prior to mobilizing the EOD 264, Byron's team of supervisors and contractors spent nearly 14 days on the EOD 264 thoroughly checking and testing all components of the rig including the top drive which showed no signs of a pending failure. The team was satisfied with the condition of the rig and until the top drive failure, Byron had experienced only a few hours of rig related downtime. Top drives are complex pieces of machinery and are essential to rotating and moving drill pipe so drilling can take place.

In the current price environment, the financial overruns due to mechanical failure are immaterial with regard to the scope of the project and are easily overcome with good well results such as those of the G3 & G5 to date. Byron has full confidence in Enterprise to overcome the current mechanical problems and successfully complete the two well program in due course.

Additional information on the SM58 G5 will be released as operations progress.

Maynard Smith, Byron's CEO had this to say about the SM58 G5 well:

"Given the top drive situation we are very pleased that we were able to run and cement casing to bottom and preserve the hydrocarbon pay we logged to date. We continue to map and evaluate the first three pay sands in the G5 and I am very pleased and excited about the results, especially the L2 Sand. Combined with the results of the G3 well, Byron's daily production will experience a very positive uplift when the G3 and G5 are brought into production. As a final comment it is important for the market to understand that there are only a small number of rigs available in the GOM and although these rigs are well maintained, the drilling fleet is dated due to a lack of investment over the last decade. Our choice is to either to use one of these older rigs or not drill at all. Given the quality of our prospects and the current energy price environment, this is a very simple economic decision to make."

Authorised by: The Board of Directors

South Marsh Island 58 - Ownership		Working Interest	Net Revenue Interest
Byron Energy Inc. (Operator)	* Surface to -13,639 subsea TVD	100.00%	83.33%
Byron Energy Inc.	Below -13,639 subsea TVD	50.00%	41.67%
Byron Energy Inc.	** All production from the SM58 E1 wellbore in the S1/2 SE 1/4 of the SE1/4 to a depth of 7,490 TVD	53.00%	44.16%

* SM58 G1, G2 and Future G Platform Wells

** SM58 E1 Well

For Further Information Contact:

Maynard Smith
Chief Executive Officer
+61 3 8610 6583

Peter Love
Investor Relations
+61 7 3121 5674

About Byron: Byron Energy Limited ("Byron or the Company") (**ASX: BYE**) is an independent oil and natural gas exploration and production company, headquartered in Australia, with operations in the shallow water offshore Louisiana in the Gulf of Mexico. The Company has grown through exploration and development and currently has working interests in a portfolio of leases in federal and state waters. Byron's experienced management team has a proven record of accomplishment of advancing high quality oil and gas projects from exploration to production in the shallow water in the Gulf of Mexico. For more information on Byron please visit the Company's website at www.byronenergy.com.au

Disclaimers

Forward looking statements

Statements in this document which reflect management's expectations relating to, among other things, production estimates, target dates, Byron's expected drilling program and the ability to fund exploration and development are forward-looking statements, and can generally be identified by words such as "will", "expects", "intends", "believes", "estimates", "anticipates" or similar expressions. In addition, any statements that refer to expectations, projections or other characterizations of future events or circumstances are forward-looking statements and may contain forward-looking information and financial outlook information. Statements relating to "reserves" are deemed to be forward-looking statements as they involve the implied assessment, based on certain estimates and assumptions that some or all of the reserves described can be profitably produced in the future. These statements are not historical facts but instead represent management's expectations, estimates and projections regarding future events.

All of the forward-looking information in this document is expressly qualified by these cautionary statements. Forward-looking information contained herein is made as of the date of this document and Byron disclaims any obligation to update any forward-looking information, whether as a result of new information, future events or results or otherwise, except as required by law. In relation to details of the forward looking drilling program, management advises that this is subject to change as conditions warrant, and we can provide no assurances that drilling rigs will be available.