



## Update - Presidio 52#1 Well Completion

Helios Energy Ltd (ASX Code: HE8) (**Helios or Company**) is pleased to update the status of the Presidio 52#1 well completion.

### 4 Stage Vertical Frack Across 1,623 Feet Interval

Helios will undertake a 4 stage vertical frack across a 1,623 feet interval, which is the distance between the commencement of the lower bench of the Ojinaga Formation at 6,632 feet and the cessation of casing at 8,255 feet at the bottom of the Eagle Ford Shale.

Helios has now completed the design of the frack job and it is specifically designed to reflect the highly naturally fractured intervals existing within this vertical interval of 1,623 feet. It is planned to co-mingle production from the 4 fracked intervals after completion of the frack job.

### Forward Plan and Timing

Although it was initially estimated that completion of the Presidio 52#1 well would commence in August, the inclement weather during the past 4 weeks in this area of Texas has impeded orderly location preparation and the scheduling of work by contractors. Heavy rainfall has resulted in wash outs of the roads constructed by Helios, and the main location road is currently being re-graded and re-formed to accommodate traffic for the frack job. In addition, site preparation work including constructing the frack sand and chemical storage areas have been affected by weather delays. The inclement weather has affected all oil field operations in the area resulting in a backlog of scheduled fracking operations for various operators, thus resulting in a short-term shortage of immediately available fracking service crews.

Helios is working diligently on finalizing the location preparation, re-grading and re-forming the main location road, filling the frack water reservoir and completing all other necessary preparations for the completion of the Presidio 52#1 well with the most important of those being scheduling a fracking crew.

Helios will update the market on the timing of the frack job and well completion when more accurate timing of the frack schedule can be determined.

ASX Code: HE8

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### **Successful Drilling of Presidio 52#1 Well**

The Presidio 52#1 well has been successfully drilled to a total depth (**TD**) of 8,806 feet. During drilling the Presidio 52#1 well encountered the lower bench of the Ojinaga Formation (primary target) and the Eagle Ford Shale Formation (secondary target) as well as two older (deeper) Cretaceous units being the Buda and Georgetown Formations (both secondary targets).

### **Lower Bench of the Ojinaga Formation – Primary Target**

The lower bench of the Ojinaga Formation was encountered at the depth of 6,632 feet and is 793 feet thick. Helios has successfully tested and produced oil from all three wells it has drilled which have penetrated the Ojinaga Formation. The oil analysis shows that the oil in the Ojinaga Formation is sourced from the Eagle Ford Shale Formation.

### **Eagle Ford Shale - Secondary Target**

The Eagle Ford Shale was encountered at a depth of 7,425 feet and is 836 feet thick with the deepest 235 feet also referred to as the Boquillas Formation. The Boquillas Formation is time equivalent to the lower Woodbine organic shales found in Madison and Brazos Counties, Texas, USA.

### **Very good to excellent oil and gas shows**

Very good to excellent oil and gas shows were observed throughout the drilling of the entire lower bench of the Ojinaga Formation and throughout the drilling of the entire Eagle Ford Formation (which includes the 235 feet of the Boquillas Formation which ends at the casing point of 8,255 feet in the Presidio 52#1 well).

Gas measurement readings were consistently high throughout the drilling through the entire lower bench of the Ojinaga Formation and throughout the drilling of the entire Eagle Ford Formation and reached over 8,000 units. From the gas isotope analysis, it shows the wetness ratios are between 24-30% which corresponds to oil associated gas.

For further information, please contact:

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**Competent Person's Statement**

*The information in this ASX announcement is based on information compiled or reviewed by Mr Neville Henry. Mr Henry is a qualified petroleum geologist with over 49 years of Australian, USA and other international technical, operational and executive petroleum experience in both onshore and offshore environments. He has extensive experience of petroleum exploration, appraisal, strategy development and reserve/resource estimation, as well as new oil and gas ventures identification and evaluation. Mr Henry has a BA (Honours) in geology from Macquarie University.*

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