

Regulatory Announcement

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Company [Empyrean Energy PLC](#)
TIDM EME
Headline Drilling Report
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Empyrean Energy PLC
 ("Empyrean" or the "Company"; Ticker: (EME))

Drilling Update

AIM quoted Empyrean Energy PLC today announces the following update on the Eagle North-1 well, California, USA:

Victoria Petroleum NL as operator for the Eagle North-1 well has advised that at at 0600 hours Central Pacific Time today, that current operations at the Eagle North-1 horizontal well was tripping at 4,032 metres (13,230 feet) to change the drill bit and bottom hole assembly to drill ahead after having milled a new window in the casing at 4,028 metres (13,215 feet) and drilled new formation to 4,032 metres (13,230 ft).

An evaluation of the drilling difficulties previously experienced have resulted in a revision of the horizontal drilling plan and the adoption of a conservative medium radius curve to achieve the horizontal well path into the target oil sands.

This has required a new horizontal well to commence from a measured depth of 4,028 metres (13,215 feet) in the vertical Eagle North-1 well bore.

Further technical details are in the annexure to this announcement.

A further update will be made as information becomes available.

Executive Director - Tom Kelly commented "This is a very exciting time for our company and we hope that testing can proceed smoothly from here as the delays have been due to mechanical problems and do not diminish the technical merit of the project."

The information contained in this announcement and annexure was completed and reviewed by the Technical Director of Empyrean Energy Plc, Mr Frank Brophy BSc (Hons) who has over 40 years experience as a petroleum geologist.

For further information

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Annexure

Using a less severe curve approach, which was successful in achieving a horizontal well path in the previous Eagle-1 well, it is believed that the objective of completing an oil producing horizontal well in the oil bearing sands between Eagle North-1 and Mary Bellochi-1 will be achieved.

During the drilling of the horizontal well a 4 1/2 inch liner is planned to be run as an intermediate step to case off the Kreyenhagen shale at a measured depth of 4,252 metres (13,950 feet).

With the setting of the Kreyenhagen Shale behind the 4 1/2 inch liner the Gatchell target oil sands will be drilled with a normal pressured water based KCL-Clarizan mud minimising formation invasion and maximizing the evaluation of the oil bearing potential of the oil sand.

Following setting of the intermediate 4 1/2 inch liner which will put the Kreyenhagen Shale behind pipe, a 3 3/4 inch horizontal well bore will then be drilled over a distance of 320 metres to within 30 metres of the Mary Bellocchi-1 oil well. This horizontal well bore will then be completed for production with a 2 7/8 inch slotted production liner.

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