



ASX Release

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Hammamet West-3 production test update

Jacka Resources Limited ("Jacka" or the "Company", ASX: JKA) provides the following operational update on the Hammamet West-3 ("HW-3") well in the Bargou Block, offshore Tunisia.

The Operator, Cooper Energy Limited (ASX: COE), has advised that the current operation is rigging up coiled tubing to allow placement of acid in the horizontal section of the wellbore.

Analysis of the clean-up flow results has resulted in a decision to acid-stimulate the reservoir section through coiled tubing to facilitate flow of reservoir fluids from the reservoir to the surface.

Testing operations are expected to continue through the next 7 to 10 days.

Since the last report, extensive hole cleaning operations have been conducted to remove Lost Circulation Material (LCM) which had created a blockage in the 7 inch liner and open hole wellbore. The production test string was successfully run before commencing the clean-up flow operations.

The test will be conducted over the entire 423 m horizontal open section. The planned test operations include: clean up flow, acid stimulation of the reservoir, main flow period and pressure build up period.

Acid stimulation is a common practice in fractured carbonate reservoirs. An acid solution is placed along the length of the horizontal wellbore using the coiled tubing. The acid is introduced to dissolve the LCM remaining in the well-bore, as well as deposited in fractures during drilling, and some of the reservoir. This is expected to clear and enlarge the observed fractures and improve the potential flow rates.

Participating interests:	Jacka	15%
	Cooper (Operator)	30%
	Dragon Oil	55%

Under the terms of a farmin agreement with the operator of the well, Cooper Energy (ASX: COE), Jacka has contributed 30% of the well cost up to a gross well cost of US\$27.2 million after which Jacka will contribute at its participating interest of 15%.

Background

The production test of the near-horizontal wellbore drilled through the naturally fractured Abiod Formation is the primary objective of the Hammamet West-3 well. The near-horizontal wellbore was drilled along a path designed to intersect open fractures and associated dissolution zones, which are believed to be the reservoir for an oil accumulation in the Abiod Formation.

As previously reported, the initial production test was suspended when the coiled tubing became stuck inside the production test tubing due to an accumulation of lost circulation material (LCM)



produced from the Abiod Formation fractures. The LCM was used while drilling to control mud losses in the fractured reservoir. The test results prior to suspension of testing operations include:

- During the clean-up flow period, 111 barrels of fluid (formation oil, base oil and drilling brine) were produced to surface tanks along with formation gas.
- Flow rates, measured by 15-minute tank dips, averaged 413 barrels of fluid/day with surges up to a maximum of 1,700 barrels of fluid/day.
- Oil recovered to the surface, sampled at 27-33°API
- Gas flared at surface contained 3% CO₂ and no H₂S.
- Acid was not used to stimulate the well during the clean-up flow

Acid stimulation is a common practice in fractured carbonate reservoirs. An acid solution is placed along the length of the horizontal wellbore using the coiled tubing. The acid will dissolve the LCM placed in fractures during drilling and some of the reservoir thereby clearing and enlarging the observed fractures and increasing the potential flow rates.

The initial test results along with the earlier drilling results have validated the play concept. The key drilling results are summarised below:

- The Abiod Formation was encountered at 3,011 mMDRT¹, 40 metres shallower than expected, which, along with the results of Hammamet West-2, suggests a vertical oil column in excess of 200 m.
- The near-horizontal sidetrack was drilled through the Abiod Formation to 3,443 mMDRT and significant hydrocarbon shows were encountered in association with predicted fracture zones.
- Oil shows on drill cuttings were observed over approximately 110 metres of the total 432 metres of Abiod Formation drilled in the sidetrack.
- Elevated gas levels with gas composition ratios² indicative of oil were also encountered, generally in association with the oil shows noted above.
- The oil and gas shows coincide with anomalies on Logging While Drilling image logs that are indicative of fractures.
- Drilling mud losses experienced while drilling these intervals are an indicator that the well has likely encountered an open, porous fracture system in the Abiod.
- During recent operations oil has been observed in the drilling mud (18-20%) circulated to surface and samples have been collected for analysis.

Footnotes

1. mMDRT – measured depth in metres below the rotary table or drilling floor
2. Total hydrocarbon gas is measured as a percentage of the air/gas mixture extracted from the drilling fluid. The main components of the hydrocarbon gas are also measured and an increase in the ratios of the heavier gases (propane, butane, pentane – components of LPG) to methane (“natural gas”) is indicative of the presence of oil.

For more information please contact:

Richard Aden, Executive Director, or Stephen Brockhurst, Director	Jacka Resources Limited	Tel: +61 8 9480 0111 info@jackaresources.com.au
Colin Hay or Tony Dawe	Professional Public Relations	Tel: +618 9388 0944 Colin Hay mob: +61 404 683 355 colin.hay@ppr.com.au , tony.dawe@ppr.com.au ,

Suite 1, Level 1, 22 Railway Road
SUBIACO WA 6008
www.jackaresources.com.au
ABN: 79 140 110 130

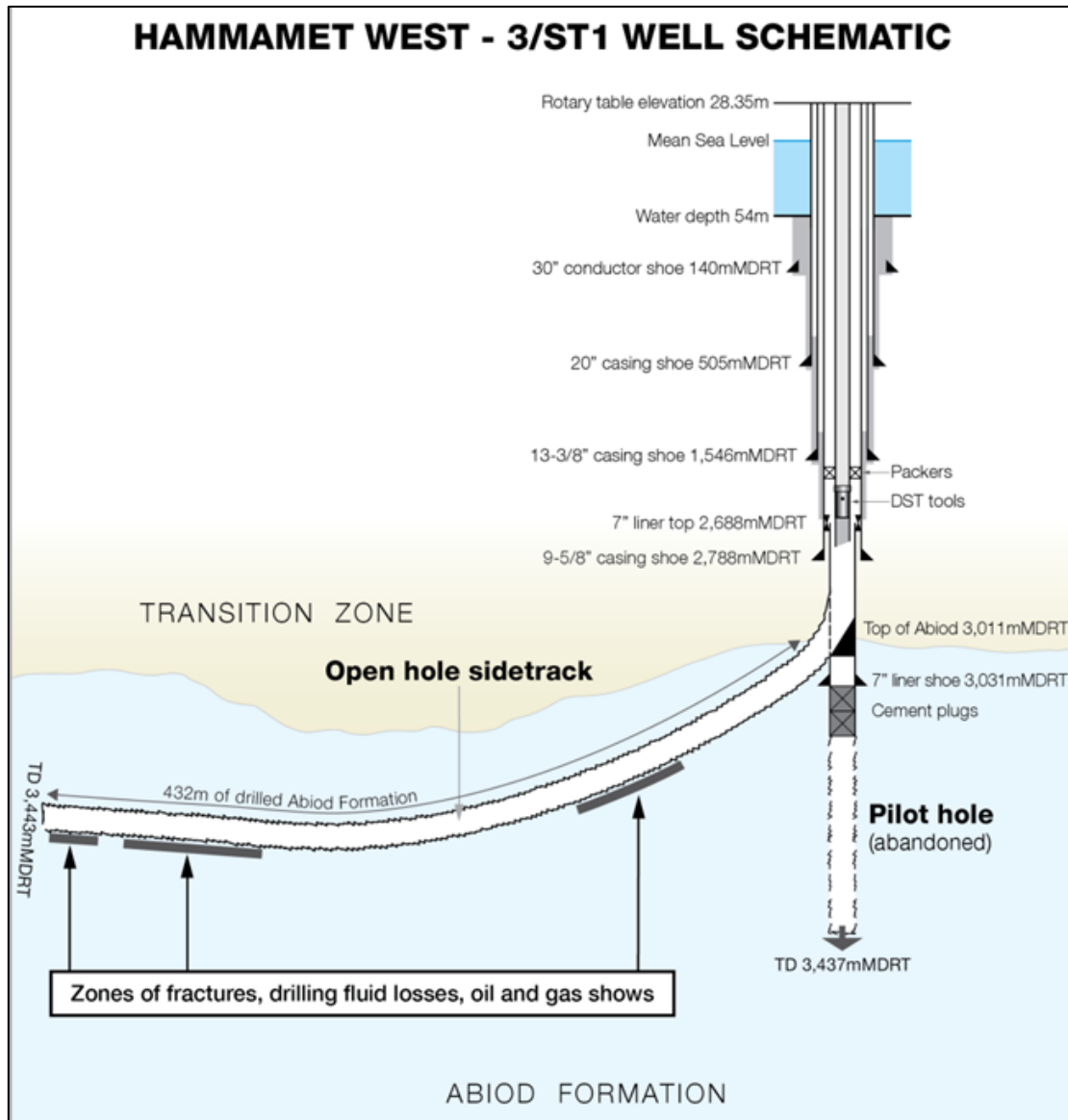


Figure 1: Hammamet West-3 wellbore schematic

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Pursuant to the requirements of the ASX Listing Rules 5.11, 5.11.1, 5.12 and 5.13, the technical information provided in this company update has been compiled by Justyn Wood, Technical Director of Jacka Resources Limited. Mr Wood is a qualified geophysicist with over 18 years technical, commercial and management experience in exploration for, appraisal and development of oil and gas resources. Mr Wood has reviewed the results, procedures and data contained in this announcement. Mr Wood consents to the inclusion in this announcement of the matters based on the information in the form and context in which it appears.