





Large, low risk oil and gas opportunity in the heart of Asian energy markets: Hui Marah Prospect Telen PSC, Indonesia

March 2019

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About SundaGas







- SundaGas is a private Singapore-based E&P company building a portfolio of E&P assets close to SE Asia's growing energy markets, focusing on...
 - Undeveloped resources of material scale
 - Low-risk exploration in proven producing plays
 - Early cash-flow generative production



- 100% operator of Telen PSC, Indonesia, following acquisition from TOTAL, plus a pipeline of advanced business growth opportunities
- Strong balance sheet enables execution of growth plans
- Team has extensive experience in SE Asia

Telen PSC : Location in Prolific Mahakam Region





100% operated PSC, acquired from TOTAL (2018)

- Adjacent to multiple oil and gas fields and 20km from pipelines to under-utilised Bontang LNG
- Low risk Hiu Marah prospect identified by SundaGas as low cost drilling opportunity
- West Seno field near Hiu Marah has export pipelines with ullage and processing capacity



Map Source: Petroleum Economist

Hiu Marah Structural Setting





2D line RAP98-042 (time domain)

Telen PSC: Hiu Marah Prospect Summary







Probabilistic Volumes	P90	P50	P10	PMean
Recoverable Gas Resources (BCF)	91	202	369	218
Recoverable Oil Resources (MMBbls)	52	117	219	128
Combined MMBOE	67	151	281	165

- Large structural closure with high porosity M. Miocene turbidite sands in an inverted intra-slope mini-basin
- Dip closure to west, unconformity and thrust fault seal to east, stratigraphic pinchout plus dip closure to north
- Strong AVO conformable with structure and flat-spot
- Pmean prospective of 128 MMbbls plus 218 BCF
- 1,600m water depth, but top reservoir <1,000m bml,</p>
- Estimated well cost US\$14.5MM, plan to drill H2 2020



Hiu Marah Depositional Setting







West Seno Field – Subsurface Summary

- Well log of West Seno-4 reservoir section
- Extensively cored & tested: 112m net oil, 35m net gas
- Tested combined total of 19,350 BOPD + 18.5 MMcfd

STACLED CHANNEL AND SPLAY SANDS

West Seno

and a second



- Upper to mid slope, channelised, complex and discontinuous sands
- Greater reservoir continuity prognosed at Hiu Marah



Hiu Marah 3D Inline / Xline (PSDM depth) Full Stack





Hiu Marah AVO Response: (Far-Near) x Far





Reservoir Horizon Mapping Example (R2)





A1 Reservoir – Max Trough Amplitude +-20m





R2 Reservoir – Max Trough Amplitude +-20m





U Miocene Unc. / U7 Merged – RMS Amplitude +100m





3D build - (Far-Near) x Far – A1 Horizon





3D build - (Far-Near) x Far – R2 Horizon





Reservoir Cross Section for Volumetrics







Probabilistic Volumes	P90	P50	P10	PMean
Recoverable Gas Resources (BCF)	91	202	369	218
Recoverable Oil Resources (MMBbls)	52	117	219	128
Combined MMBOE	67	151	281	165

• Low risk for gas, based on structure, seismic attributes, offset discoveries and flat spot

Moderate risk for oil, based on AVO response, geological model and offset discoveries

Hui Marah Provisional Well Location





Hiu Marah Prospect: Initial Well Design





Notional Development Scenarios







- Development scenario design work ongoing with Genesis (Technip)
- Subsea development tied back to West Seno or
- Floating production and processing unit, including gas management and compression
- Oil export via West Seno pipeline or shuttle tanker to export terminal at Santan
- Gas export via West Seno pipeline (20 km away) to under-utilised Bontang LNG or domestic markets

Map Source: Petroleum Economist

Telen PSC: Opportunity Summary







- SundaGas holds 100% interest in Telen PSC
- Hiu Marah is a high impact / low risk prospect that can be drilled at low cost, only ~20km from infrastructure
- Hiu Marah has strong DHI's and prospective resources of 128 MMbo and 218 Bcf (Pmean)
- Predicted high porosity turbidite sands, trapped in inverted intra-slope mini-basin
- 1,600m water depth, but top reservoir <1,000m below mud line, well cost estimated at US\$15MM
- Additional running room in adjacent open acreage
- SundaGas invites interested parties to discuss participating in drilling of the Hiu Marah well in 2020