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ASX ANNOUNCEMENT

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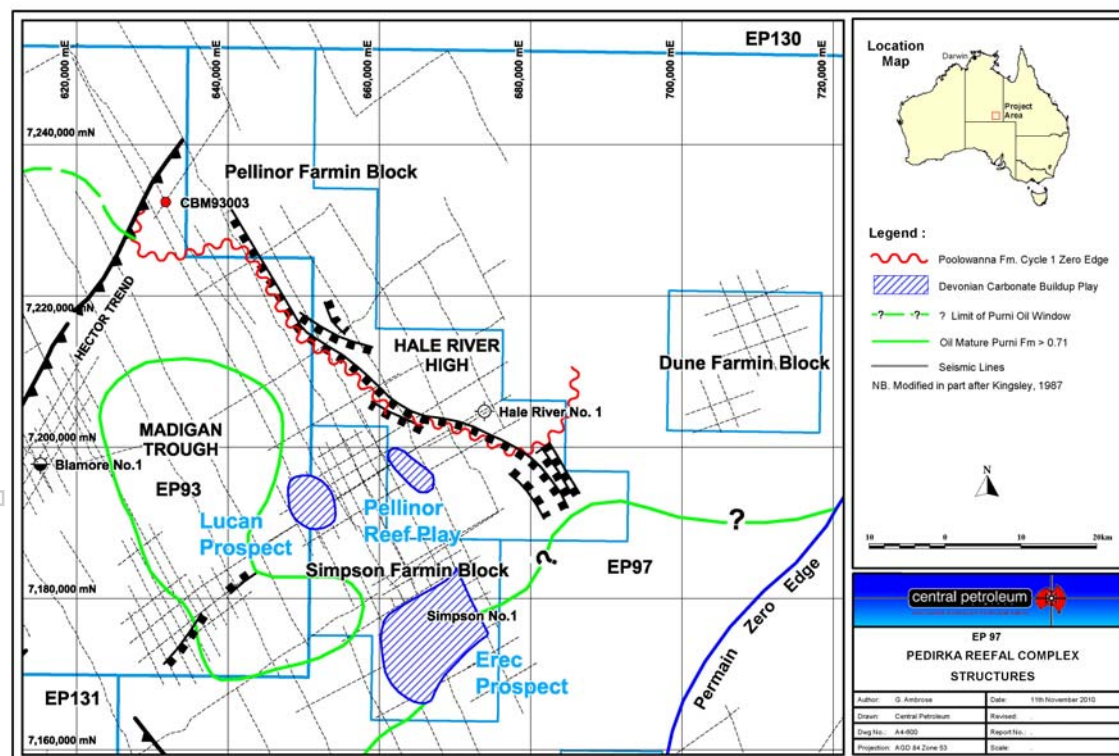
FURTHER DEVONIAN OIL LEADS INTERPRETED IN THE PEDIRKA BASIN

Central Petroleum Limited (ASX:CTP) (“Central”), is expected to step up oil exploration on its Pedirka Basin permits in the Northern Territory following encouraging seismic surveys undertaken early this year.

Exploration work to date on the new seismic outlines, inter alia, a possible new Devonian carbonate reefal oil play with over 1,500m of vertical extent potential where examined.

Central believes some of its future activity will be based around the interpreted Pellinor Reef, along the Hale River fault trend, in the Pedirka Basin mainly within the Pellinor exploration block EP 97.

The Pellinor, Simpson, Bejah and Dune prospect blocks are subject to a farmin agreement with Central’s interest at 80% and Rawson Energy (RAW) holding the remainder.



Erec, Lucan and the Pellinor Reef Plays in the Hale River fault trend

Central’s MD, John Heugh, said: “There have been now at least 7 wells recording oil shows in the younger Permian, Triassic and Jurassic sequences in the Pedirka Basin.

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“But nobody has yet drilled, described or tested an interpreted Devonian carbonate play in this basin” he indicated today. “This is a preliminary interpretation of course.”

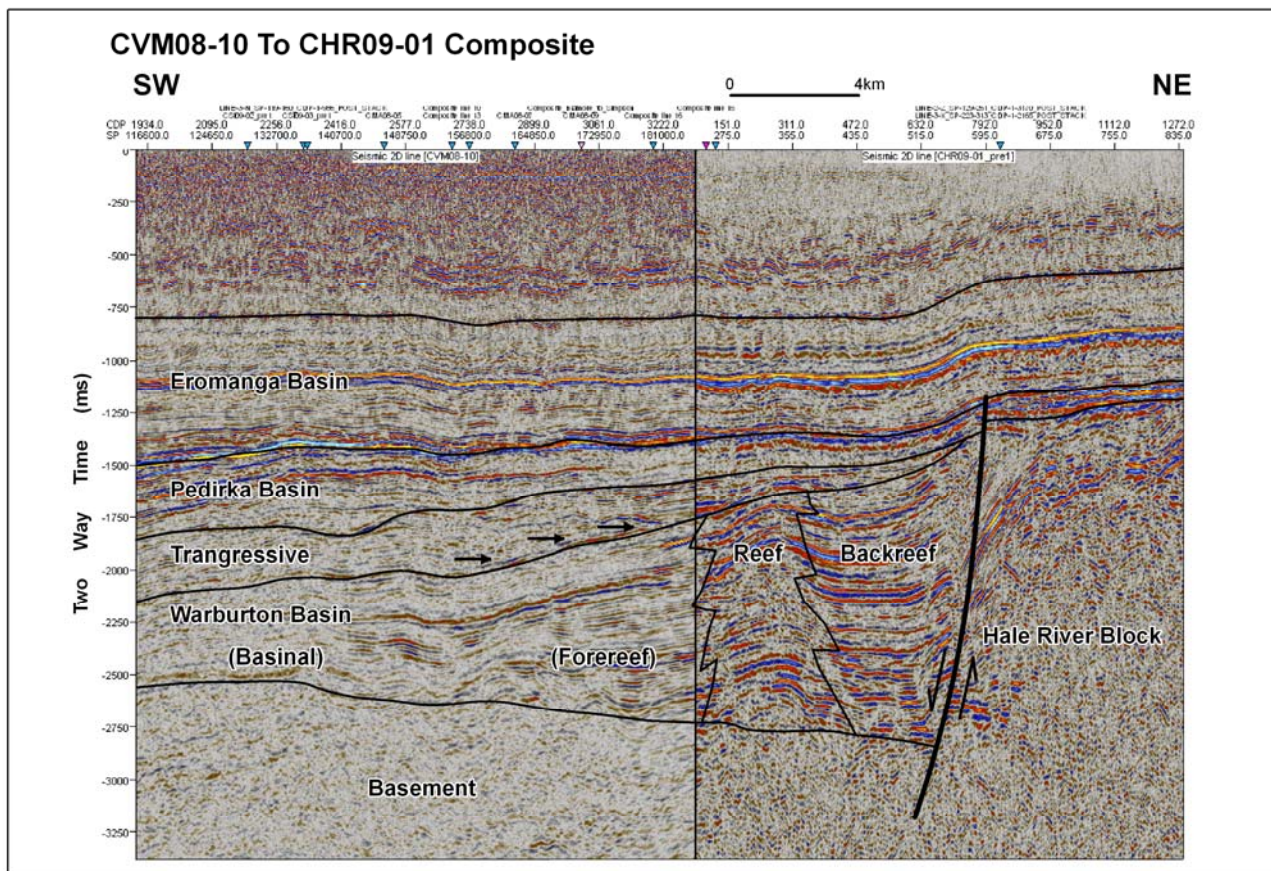
Further seismic analysis, additional seismic acquisition and drilling will be required to confirm and detail the interpreted play types.

“But if these structures are validated, and found to host oil when tested, the potential is singularly impressive, based on the potential volumes we’ve outlined to date.”

CTP announced to the ASX, in August 2008, that the Erec and Lucan leads, largely within the Simpson prospect block, were thought to represent a Devonian carbonate platform reefal complex based on preliminary interpretation. Further seismic acquired during 2010 is now being processed and analysed.

The Erec and Lucan leads have combined potential to host large volumes of Undiscovered Oil (or Gas) Initially in Place (UOIIIP or UGIIP) up to a cumulative total in excess of about 5 Bbbls (billion barrels) oil equivalent at “high” estimate. (SPE definition)

The Erec prospect is a stand alone carbonate platform prospect mapped on diagnostic seismic features with aerial closure of c.185 km² at top carbonate platform level. Additional plays target lobate slope fans and carbonate platform rim facies. The Lucan prospect is a similar play located on the Madigan Nose with four way dip closure (4wdc) potential at the top carbonate platform level of 160 MMbbls UOIIIP oil equivalent “high” estimate. The gross vertical extent of closure potentially available in the Erec and Lucan plays varies between 50 to 300m across these two structures.



Seismic profile and interpretation of the new Devonian Pellinor Reefal Complex associated with the Hale River Fault Trend in the Pellinor Prospect Block

The seismic line shown across the new interpreted Pellinor reefal complex play clearly depicts interpreted Devonian/Carboniferous fore reef/ reef core/ back reef facies which are productive in many of these types of sequences around the world. This type of interpreted reef play, and the platform play interpreted at the Erec and Lucan prospects, are analogous in gross geological structure to several prolifically producing Devonian oil fields in the world.

The clear seismic signature at the interpreted Pellinor Reef structure adds credence to the regional model previously described at the Erec and Lucan Prospects. These interpretations then indicate the possibility of such play types extending from the northern margins of the Pellinor prospect block to the Simpson/Colson areas – a distance of nearly 100 km.

The Company has a number of significant oil plays and prospects in the Pedirka Basin and is currently attempting to mature several of them for potential drilling in a proposed programme for 2011. Delays brought about by wet weather have hampered efforts to complete seismic uphole velocity shooting which is required to fine tune seismic processing.



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NOTICE: The participating interests of the relevant parties in the respective permits and permit applications which may be applicable to this announcement are:

- EP 115 Central subsidiary Frontier Oil & Gas Pty Ltd ("FOG") 90%, Trident Energy Limited ("TRI") 10%.
- EP-82 (excluding the Central subsidiary Helium Australia Pty Ltd ("HEA") and Oil & Gas Exploration Limited ("OGE") (previously He Nuclear Ltd) Magee Prospect Block) - HEA 100%
- Magee Prospect Block, portion of EP 82 – HEA 84.66% and OGE 15.34%.
- EP-93, EP-105, EP-106, EP-107, EPA-92, EPA-129, EPA-131, EPA-132, EPA-133, EPA-137, EPA-147, EPA-149, EPA-152, EPA-160, ATP-909, ATP-911, ATP-912 and PELA-77 - Central subsidiary Merlin Energy Pty Ltd 100% ("MEE").
- The Simpson, Bejah, Dune and Pellinor Prospect Block portions within EP-97 – MEE 80% and Rawson Resources Ltd 20%.
- EP-125 (excluding the Central subsidiary Ordiv Petroleum Pty Ltd ("ORP") and OGE Mt Kitty Prospect Block) and EPA-124 – ORP 100%.
- Mt Kitty Prospect Block, portion of EP 125 - ORP 75.41% and OGE 24.59%.
- EP-112, EP-118, EPA-111 and EPA-120 - FOG 100%.
- PEPA 18/08-9, PEPA 17/08-9 and PEPA 16/08-9 - Central subsidiary Merlin West Pty Ltd 100%.
- EPA-130 - MEE 55% and Great Southern Gas Ltd 45%.

General Disclaimer and explanation of terms:

Potential volumetrics of gas or oil may be categorised as Undiscovered Gas or Oil Initially In Place (UGIIP or UOIIP) or Prospective Recoverable Oil or Gas in accordance with AAPG/SPE guidelines. Since oil via Gas to Liquids Processes (GTL) volumetrics may be derived from gas estimates the corresponding categorisation applies. Unless otherwise annotated any potential oil, gas or helium UGIIP or UOIIP figures are at "high" estimate in accordance with the guidelines of the Society of Petroleum Engineers (SPE) as preferred by the ASX Limited but the ASX Limited takes no responsibility for such quoted figures.

As new information comes to hand from data processing and new drilling and seismic information, preliminary results may be modified. Resources estimates, assessments of exploration results and other opinions expressed by CTP in this announcement or report have not been reviewed by relevant Joint Venture partners. Therefore those resource estimates, assessments of exploration results and opinions represent the views of Central only. Exploration programmes which may be referred to in this announcement or report have not been necessarily been approved by relevant Joint Venture partners and accordingly constitute a proposal only unless and until approved.