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Unravel New Exploration Opportunity in Central Luconia

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A recent exploration well, Well-D, has discovered the potential of hydrocarbon in Cycle V clastic reservoir in Central Luconia which has been well-known of its pool of gas-prone carbonate build-ups.

The low-stand Intra Cycle V which was embedded between marine shale was penetrated, evaluated and an oil sample was obtained. The same clastic reservoir was also penetrated by a nearby well previously, Well-O, drilled before Well-D, and gave gas show but low poro-perm quality was observed (Figure 1).

The reservoir of Intra Cycle V sand previously was interpreted and mapped. The reservoir appears to have high amplitude, high continuity and low frequency character on seismic. The seismic interpretation is supported by a geological model that indicates an incised valley feeder channels system, bounded by major fault at the west, forming a monocline structure that dips eastward (Figure 2).

Intra Cycle V sand has different petroleum system from of the carbonates discoveries in this province. The source rock, particularly, is believed to be charged laterally within the Cycle V interval, which differs from the Pre-Cycle IV source that charged the carbonates build-ups.

As both exploration wells, Well-D and Well-O, penetrated at a structurally down-dip location of the feeder channels system, upside potential is believed yet to be explored. There's also stratigraphic play that lies lateral of the incised valley system. The fan system that the incised valley feeder channel progressed into, is fault bounded and yet to be tested (Figure 3).

An Intra Cycle V clastic reservoir finding opens up new exploration opportunities in Central Luconia province.

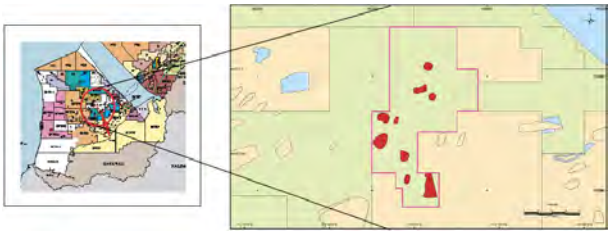

Figure 1: Map showing both Well-D and Well-O in Sarawak, Malaysia.

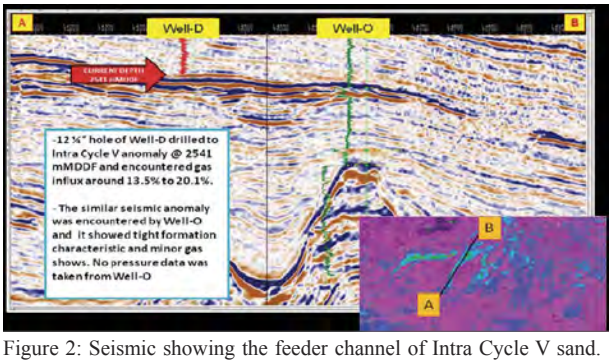

Figure 2: Seismic showing the feeder channel of Intra Cycle V sand.

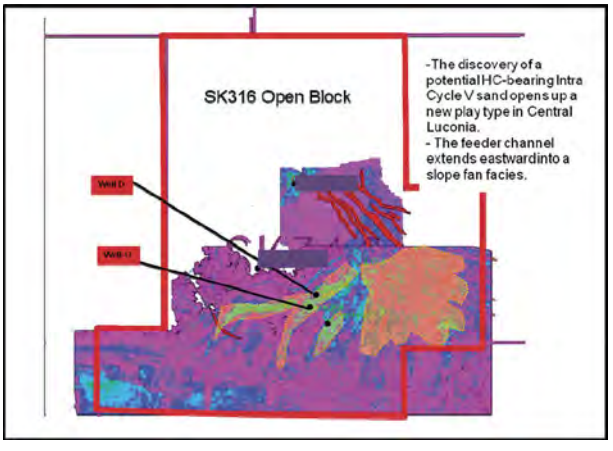

Figure 3: Intra Cycle V sand distribution.

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